178 WG - IAA Reachback Team

Situational Awareness Brief

Current As of: 7June2016 1130PST

This Briefing is:

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OVERVIEW

- **AOI Overview**
- **I-90/I-5 Damage Assessment**
- **Population Density**
- **Airport Overview**
- **Recommended Staging Area**
- **Recommended CCP**

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Incident Overview

Earthquake Impact and Response, Washington State

GEO: 473535N 1221854W **MGRS:** 10TET5148171302

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Source: Esri

N

Primary Staging Area
474434N, 1221828W

Primary CCP
473611N, 1221926W

Airport A
473148N, 1221807W

Airport B
472658N, 1221833W

Secondary Staging Area
465841N, 1225652W

Secondary CCP
470610N, 12213302W

Airport C
465810N, 1225415W

Seattle

North Bend

Olympia

Legend

I-90 AOI

I-5 AOI

Recommended Staging Areas

P – Primary – Shorecrest High School

S – Secondary – West Black Hills High School

Recommended Casualty Collection Points (CCP)

P – Primary – (USPERS) Washington Huskies' Stadium

S – Secondary – (USPERS) Orting Middle School

Recommended Airports

A - (USPERS) Boeing Field/King County Airport

B - (USPERS) Seattle-Tacoma International Airport

C - (USPERS) Olympia Regional Airport

Current as of: 1130PST

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I-90 Damage Assessment Overview

Seattle, WA

GEO: 473535N 1221854W **MGRS:** 10TET5148171302

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Source: Esri

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I-90 Bridge
473525N, 1221615W

I-90 Mercer Slough Overpass
473446N, 1221120W

I-90 at I-5
473538N, 1221915W

Seattle
Bellevue
Clyde Hill
Yarrow Point
Hunts Point
Medina
Beaux Arts Village
Mercer Island
Newcastle
Renton
Burien
Tukwila
Seatac
Normandy Park
Sammamish
Issaquah
Lake Washington
Lake Sammamish
Puget Sound

- Operational
- Reduced
- Non-Operational

Current as of:
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I-90 Mercer Slough Overpass / Bridge # 90/25

Seattle, WA

GEO: 473525N 1221615W **MGRS:** 10TET5481271036

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Source: Esri

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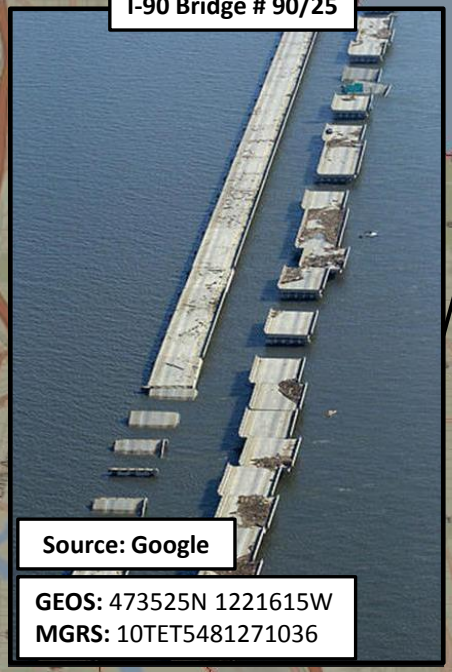
I-90 Bridge # 90/25



Source: Google

GEOS: 473525N 1221615W
MGRS: 10TET5481271036

I-90 Mercer Slough Overpass

GEOS: 473446N 1221120W
MGRS: 10TET6097569886

Source: Google

Analyst Comment

Mercer Slough Overpass: Highway has sustained catastrophic structural damage to buckling of ground at numerous junctures and liquefaction.

Bridge # 90/25: Bridge has sustained moderate structural damage. Bridge is non-operational until an inspection is conducted.

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I-5 Damage Assessment Overview

Seattle, WA

GEO: 473535N 1221854W **MGRS:** 10TET5148171302

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Source: Esri

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I-5 at I-405
474957N, 1221543W

I-5 at NE 185th
474547N, 1221926W

Ship Canal Bridge
473910N, 1221919W

I-5 at John St
473710N, 1221944W

I-5 at I-90
473538N, 1221915W

I-5 Overpass at JBLM Main
470614N, 1223516W

Edmonds
Mountlake Terrace
Shoreline
Duvall
Silverdale
Bainbridge Island
Seattle
Green Mountain State Forest
Fall City
Issaquah
Snoqualmie
North Bend
Burien
Vashon
Kent
Maple Valley
Hobart
Covington
Gig Harbor
Black Diamond
University Place
Tacoma
Puyallup
Bonney Lake
Enumclaw
Buckley
Lakewood
Parkland
South Hill
Spanaway
Joint Base Lewis-McChord

- Operational
- Reduced
- Non-Operational

Current as of: 1130PST

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I-5 Overpass at JBLM Main Entrance

Fort Lewis, WA

GEO: 470614N 1223517W **MGRS:** 10TET3124216806

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Source: Esri

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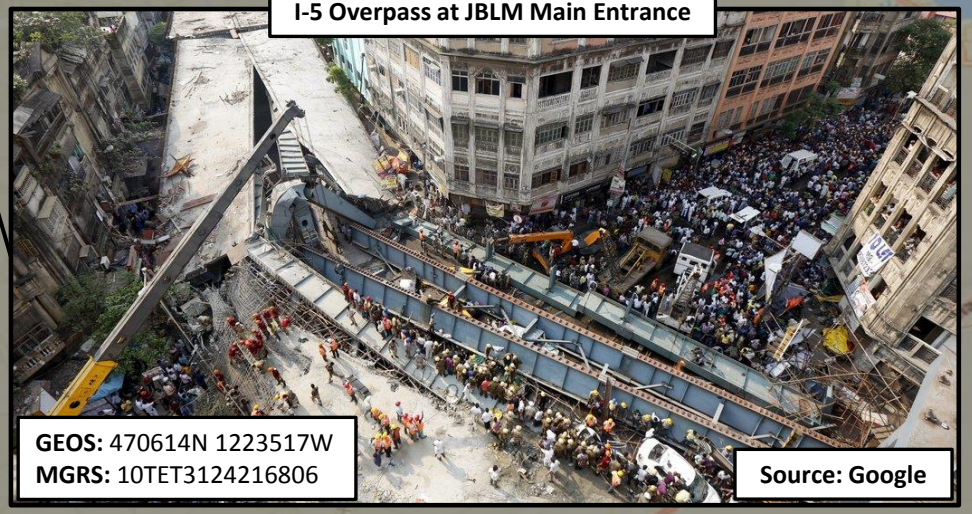
Steilacoom
Fort Steilacoom Park
Union Ave
Farwest Dr SW
Military Rd SW
Lakewood
Bridgeport Way SW
100th St SW
S Tacoma Way
84th St S
112th St
Steele St S
N Gate Rd
Pacific Hwy SW
McChord Air Force Base
American Lake
150th St SW
Dupont S tellacoom Rd
Intel
The Home Course
Center Dr
Fort Lewis
Dupont
Eagles Pride Golf Course
Nisqually Rd
Pierce Thurston

Analyst Comment

Overpass has collapsed.
Trapped Cars: 10
Injuries: 20
Deaths: 2

I-5 Overpass at JBLM Main Entrance



GEOS: 470614N 1223517W
MGRS: 10TET3124216806

Source: Google

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I-90 and I-5 Intersection

Seattle, WA

GEO: 473538N 1221914W **MGRS:** 10TET5106171415

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Source: Esri

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I-90 and I-5 Intersection

GEOS: 473538N 1221914W
MGRS: 10TET5106171415

Source: Google

Analyst Comment

Highway has sustained catastrophic structural damage to buckling of ground at numerous junctures and liquefaction. This intersection is non-operational.

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Population Density of Incident Area

Earthquake Impact and Response, Washington State

GEO: 473535N 1221854W **MGRS:** 10TET5148171302

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Source: Esri

Legend

I-90 AOI

I-5 AOI

Density by Census Block

- 100,001 or more people
- 25,001 to 100,000 people
- 10,001 to 25,000 people
- 1,001 to 10,000 people
- 101 to 1,000 people
- 100 or less people

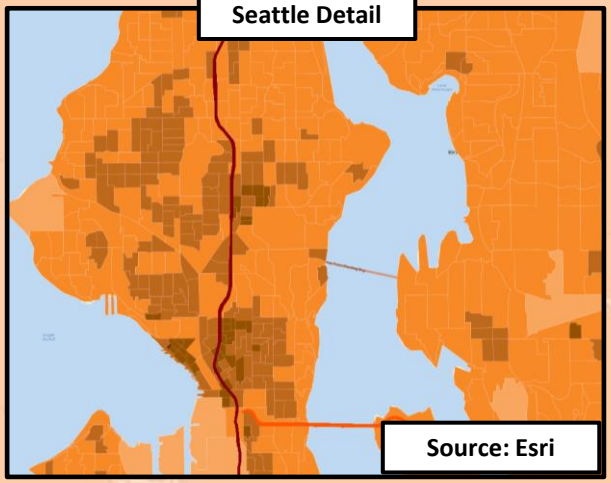
N

Seattle

North Bend

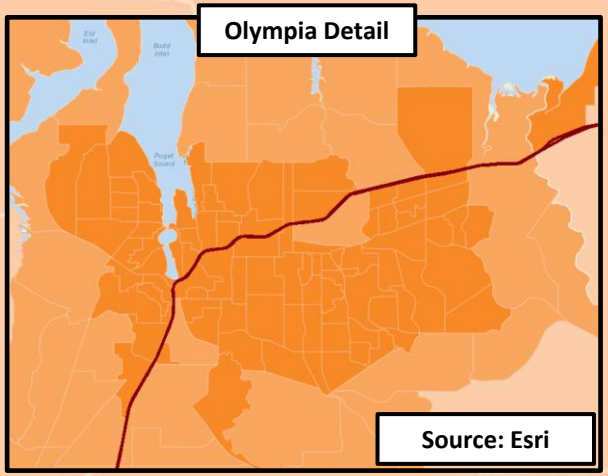
Olympia

Seattle Detail



Source: Esri

Olympia Detail



Source: Esri

Analyst Note:

Population centers are highest along the two damaged routes in the vicinity of Seattle and Olympia.

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KPAE Airport Damage Assessment

IVO Seattle, Washington

GEO: 475437N 1221926W **MGRS:** 10TEU5384306579

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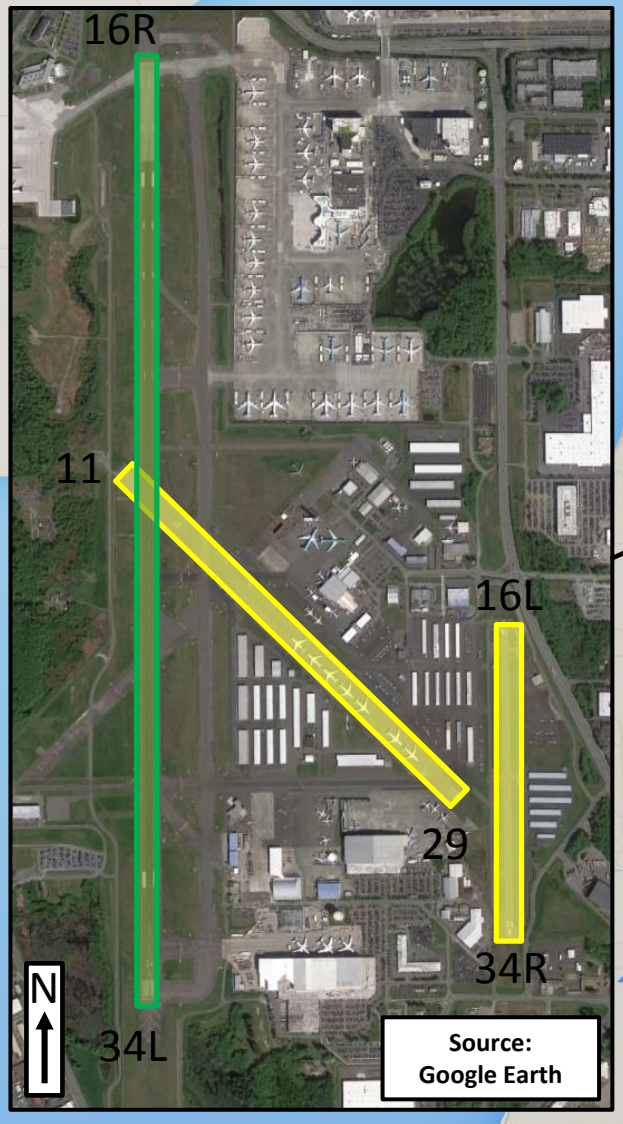

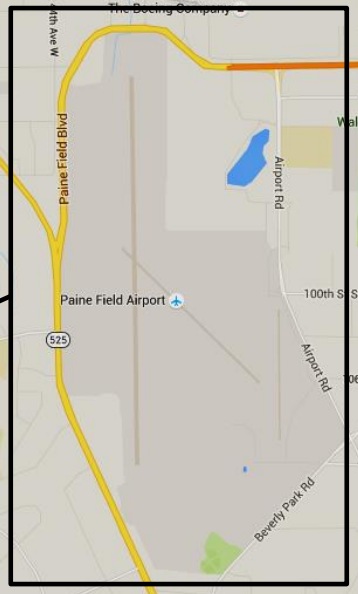

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(USPERS) Paine Field-Snohomish County (KPAE) Damage Assessment

Overall Status: Limited Operations for fixed and rotary wing aircraft for the next 24 hrs**.**

Tower: No damage, operating on generator.

Runways:

Runway	Damage	ETR
16R/34L	None	Open
11/29	Minor	< 72 hours
16L/34R	Minor	< 72 hours

Taxiways: Minor damage.

Ramp & Facilities: No damage.

Fuel: No damage.

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GRF Airport Damage Assessment

IVO Tacoma, Washington

GEO: 470441N 1223449W **MGRS:** 10TET3184913947

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Source: Google Maps

(USPERS) Gray Army Airfield (GRF)
Damage Assessment

Overall Status: Airfield is closed to fixed-wing aircraft for 24 hours, full runway opens in 24 hours.

Tower: No damage, operating on generator.

Runways:

Runway	Damage	ETR
15/33	Minor	Open

Approach Radar: Minor damage, no power – operational after 10-days (13 Jun 16).

Power: Full power outage, generator backups required.

Ramp & Facilities: No damage.

Fuel: No damage.

Source: Google Earth

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Recommended Airport A

IVO Seattle, Washington

GEO: 473148N 1221807W **MGRS:** 10TET5254264299

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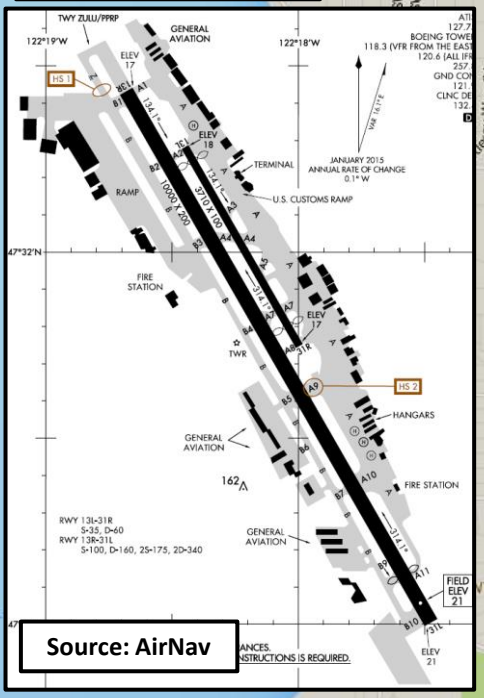
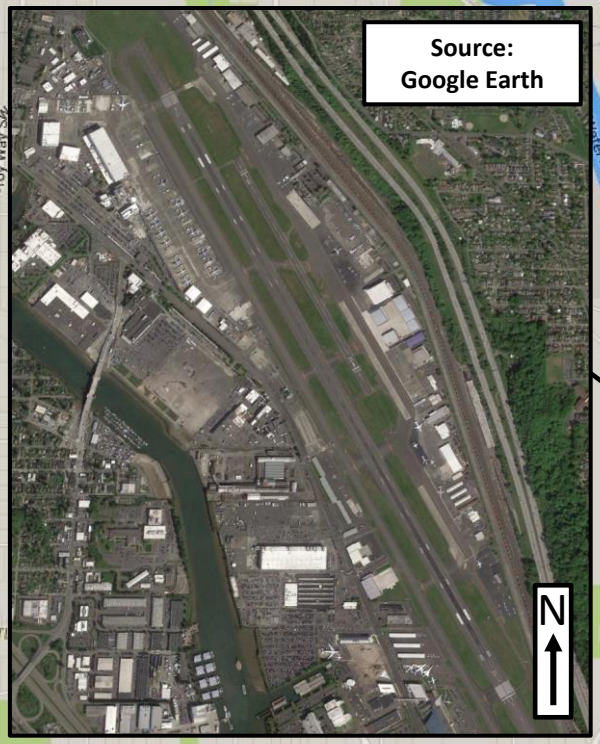
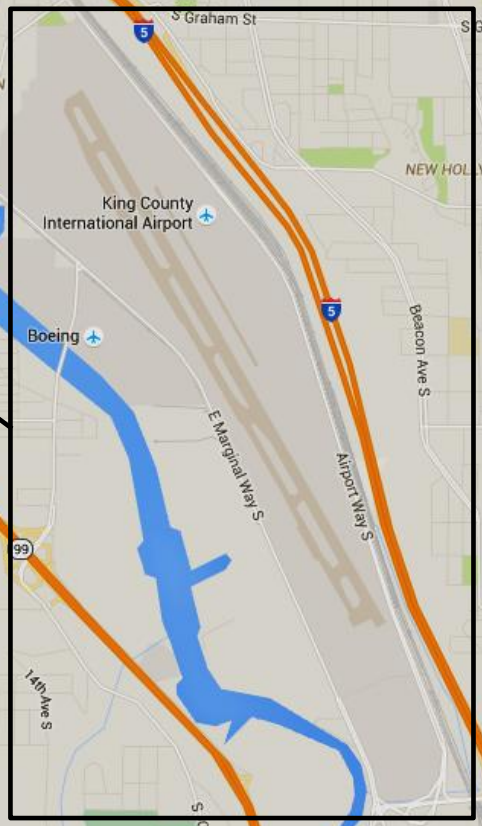


Source: AirNav

Source: Google Earth





Name: (USPERS) Boeing Field/King County Airport (KBFI)
Location: Approx 14 miles north of Seattle
Elevation: 607 ft. / 185.2 m
Runway 13R/31L: 10000 x 200 ft. / 3048 x 61 m
Runway 13L/31R: 3710 x 100 ft. / 1131 x 30 m
Fuel Available: 100LL Jet A
Phone: (206) 763-6904
Source: http://www.airnav.com/airport/KBFI

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Recommended Airport B

IVO Seattle, Washington

GEO: 472658N 1221833W **MGRS:** 10TET5207555347

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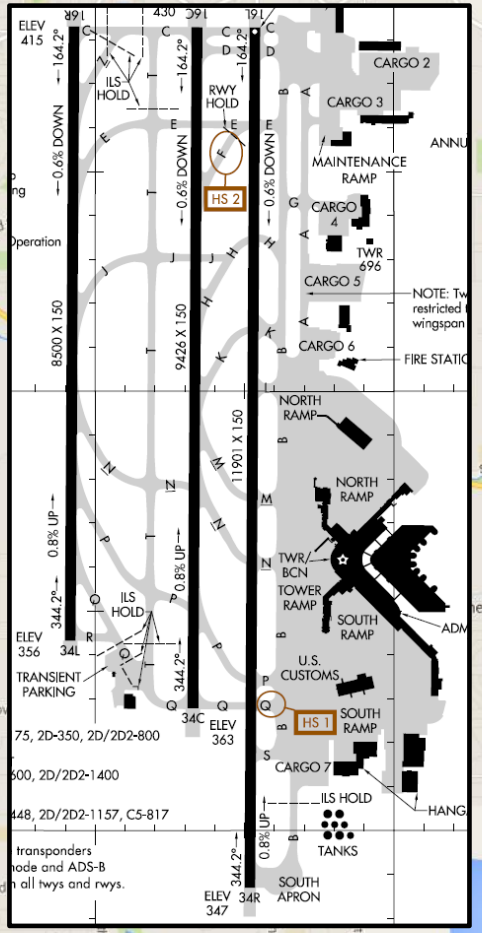
Source: Google Maps

Name: (USPERS) Seattle-Tacoma International Airport
Location: Approx 10 miles S of Seattle, WA
Elevation: 432.5 ft. / 131.8 m
Runway 16L/34R: 11,901 x 150 ft. / 3627 x 46 m
Runway 16C/34C: 9426 x 150 ft. / 2873 x 46 m
Runway 16R/34L: 8500 x 150 ft. / 2591 x 46 m
Fuel Available: 100LL Jet A
Phone: (206) 431-2834
Source: http://www.airnav.com/airport/KSEA

Source: Google Earth



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Recommended Airport C

IVO Olympia, Washington

GEO: 465810N 1225415W **MGRS:** 10TET0727501796

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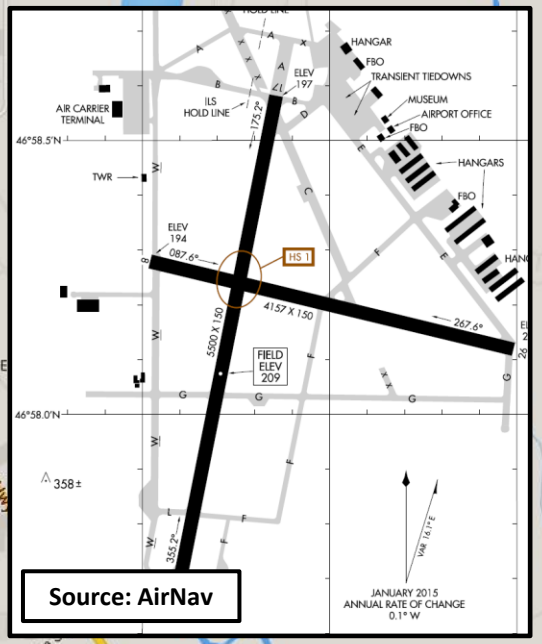
Source: Google Maps



Source: AirNav

Source: Google Earth

Name: (USPERS) Olympia Regional Airport (KOLM)
Location: Approx 3 miles south of Olympia
Elevation: 207.8 ft. / 63 m
Runway 17/35: 5500 x 150 ft. / 1676 x 46 m
Runway 8/26: 4157 x 150 ft. / 1267 x 46 m
Fuel Available: 100LL Jet A
Phone: (306) 528 - 8000
Source: http://www.airnav.com/airport/KOLM

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Recommended Primary Staging Area

IVO Seattle, WA

GEO: 474434N 1221828W **MGRS:** 10TET5187887972

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Source: Google Earth

Staging Area

Name: (USPERS) Shorecrest High School

Address: 15343 25th Ave NE
Shoreline, WA 98155

Phone Number: (206) 393-4286

Area: 260,958 square meters

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Recommended Secondary Staging Area

IVO Olympia, WA

GEO: 465841N 1225652W **MGRS:** 10TET0395002733

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Source: Google Earth

Staging Area

Name: (USPERS) AG West Black Hills High School

Address: 7741 Littlerock Rd SW

Olympia, WA 98512

Phone Number: (360) 709-7800

Area: 1,295,760.5 square meters

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Recommended Primary Casualty Collection Point (CCP)

Seattle, Washington

GEO: 473901N 1221804W **MGRS:** 10TET5247977695

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Source: Google Earth

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CCP

Name: (USPERS) Washington Huskies Stadium

Address: 3800 Montlake Blvd, Seattle, WA 98195

Phone Number: (206)-543-2210

Total Area: 16,000 square meters

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Recommended Secondary CCP

Orting, Washington

GEO: 470610N 1221302W **MGRS:** 10TET5938816902

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Source: Google Earth

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CCP

Name: (USPERS) Orting Middle School
Address: 111 Whitehawk Blvd NW
Orting, WA 98360
Phone Number: (360)-893-3565
Total Area: 38,000 square meters

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