I-405 & SR 18: Connecting Valley Hardware to Redmond, Bothell, and Eastbound I-90

Pillar: The Corridors | **Basis:** Agency Program + Regulation | **Primary Source:** WSDOT | **As Of:** 2026-11-16

I-405 connects the Green River Valley north to Redmond and Bothell satellite plants, while SR 18 links Auburn and I-5 eastbound to I-90—both carrying WSDOT peak-hour oversize curfews.

Operational Continuity & Corridor Facts

• WSDOT's I-405/SR 167 Corridor Program spans a 50+-mile network linking South Sound manufacturing hubs (Kent, Auburn, Renton) to Eastside hubs (Bellevue, Redmond, Bothell) and Lynnwood.

• SR 18 serves as the primary diagonal freight link from Auburn/I-5/SR 167 northeast to I-90 at Snoqualmie.

• For vehicles requiring 'Oversize Load' signs, WSDOT enforces weekday peak commuter curfews (typically 6:00–9:00 AM and 3:00–7:00 PM) across Seattle-area I-5, I-90, and SR 18.

I-405 & SR 18 Corridor Constraints for Space Hardware

Corridor	Primary Space Pair	Operational Constraint	Source
I-405 (Renton–Bothell)	Kent/Tukwila -> Redmond/Bothell	Heavy commuter congestion; ETL rules	WSDOT I-405/SR 167
SR 18 (Auburn–I-90)	Kent/Auburn -> Moses Lake (via I-90)	6–9 AM & 3–7 PM OSOW curfews	WSDOT CVO

Corridor Exposure, Triggers & Facility Actions

• Schedule oversize deliveries between Kent/Auburn and Moses Lake to clear SR 18 before 6:00 AM or after 7:00 PM on weekdays.

• When Tukwila/Renton SR 167 floods, SR 18 -> I-90 -> I-405 is the cleanest east-side bypass to reach Redmond and Bothell.

• Verify vertical bridge clearances on SR 18 and I-405 undercrossings before dispatching tall spacecraft shipping containers.

Cross-Cluster Links & Primary Sources

• **WA Space Cluster Hub (#1382):** https://bcesg.org/washington-space-cluster-census/

• **Auburn WA Space Cluster Profile:** https://bcesg.org/auburn-wa-space-cluster-profile/

• **Redmond WA Space Cluster Profile:** https://bcesg.org/redmond-wa-space-cluster-profile/

• **Moses Lake WA Space Cluster Profile:** https://bcesg.org/moses-lake-wa-space-cluster-profile/

• **Supply-Chain & Procurement Desk Brief:** https://bcesg.org/wa-space-role-procurement-lead-desk-brief/

• **WSDOT I-405 / SR 167 Corridor Program:**
https://wsdot.wa.gov/construction-planning/major-projects/i-405sr-167-corridor-program

• **WSDOT Commercial Vehicles & OSOW:** https://wsdot.wa.gov/travel/commercial-vehicles

Provenance Note: Corridor scope and commuter curfews per WSDOT Commercial Vehicle Operations.