AM Peak Period: Southbound

Overall Throughput

Persons Carried

- HOV-1: 23%
- GP-3: 77%

Vehicles Carried

- HOV-1: 13%
- GP-3: 87%

Per Lane Throughput (3-hr)

- HOV-1: 4938
- GP-3: 5351

Person Volume Per Lane

- HOV-1: 4938
- GP-3: 5351

Vehicle Volume Per Lane

- HOV-1: 1979
- GP-3: 4290

AVO_{HOV} = 2.5
AVO_{GP} = 1.2

GP vs. HOV Throughput Comparison (2006): I-5 near South Everett

PM Peak Period: Northbound

Overall Throughput

Persons Carried

- HOV-1: 30%
- GP-3: 70%

Vehicles Carried

- HOV-1: 18%
- GP-3: 82%

Per Lane Throughput (4-hr)

- HOV-1: 9305
- GP-3: 7151

Person Volume Per Lane

- HOV-1: 9305
- GP-3: 7151

Vehicle Volume Per Lane

- HOV-1: 3692
- GP-3: 5623

AVO_{HOV} = 2.5
AVO_{GP} = 1.3

[+30%] [-34%]
GP vs. HOV Throughput Comparison (2006): I-5 near Northgate

**AM Peak Period: Southbound**

**Overall Throughput**

- Persons Carried: HOV-1 = 44%, GP-3 = 56%
- Vehicles Carried: HOV-1 = 21%, GP-3 = 79%

**Per Lane Throughput (3-hr)**

- Person Volume: HOV-1 = 14193, GP-3 = 5939
- Vehicle Volume: HOV-1 = 4115, GP-3 = 5210
- AVO_{HOV} = 3.4
- AVO_{GP} = 1.1
- [+139%]
- [-21%]

**PM Peak Period: Northbound**

**Overall Throughput**

- Persons Carried: HOV-1 = 39%, GP-4 = 61%
- Vehicles Carried: HOV-1 = 19%, GP-4 = 81%

**Per Lane Throughput (4-hr)**

- Person Volume: HOV-1 = 17241, GP-4 = 6751
- Vehicle Volume: HOV-1 = 5304, GP-4 = 5771
- AVO_{HOV} = 3.3
- AVO_{GP} = 1.2
- [+155%]
- [-8%]

GP vs. HOV Throughput Comparison (2006): I-5 near Northgate
GP vs. HOV Throughput Comparison (2006): I-5 South of Southcenter

**AM Peak Period: Northbound**

- **Overall Throughput**
  - Persons Carried: HOV-1 29%, GP-4 71%
  - Vehicles Carried: HOV-1 14%, GP-4 86%

- **Per Lane Throughput (3-hr)**
  - Person Volume Per Lane: HOV-1 10477, GP-4 5452, [+62%]
  - Vehicle Volume Per Lane: HOV-1 3441, GP-4 5239, [-34%]
  - AVO_{HOV} = 3.0, AVO_{GP} = 1.2

**PM Peak Period: Southbound**

- **Overall Throughput**
  - Persons Carried: HOV-1 30%, GP-5 70%
  - Vehicles Carried: HOV-1 15%, GP-5 85%

- **Per Lane Throughput (4-hr)**
  - Person Volume Per Lane: HOV-1 13549, GP-5 6437, [+110%]
  - Vehicle Volume Per Lane: HOV-1 4652, GP-5 5359, [-13%]

- AVO_{HOV} = 2.9, AVO_{GP} = 1.2
GP vs. HOV Throughput Comparison (2006): I-5 South of Seattle CBD (AM=S 144th St, PM=Albro Pl)

**AM Peak Period: Northbound**

- **Overall Throughput**
  - Persons Carried: HOV-1 (23%), GP-4 (77%)
  - Vehicles Carried: HOV-1 (10%), GP-4 (90%)

- **Per Lane Throughput (3-hr)**
  - Person Volume Per Lane: HOV-1 (9502), GP-4 (-2766)
  - Vehicle Volume Per Lane: HOV-1 (6327), GP-4 (2766)
  - AVHOV = 3.4
  - AVOGP = 1.2
  - (+21%)

- **Per Lane Throughput (4-hr)**
  - Person Volume Per Lane: HOV-1 (15265), GP-4 (6786)
  - Vehicle Volume Per Lane: HOV-1 (6324), GP-4 (5226)
  - AVHOV = 2.9
  - AVOGP = 1.1
  - (+125%)

**PM Peak Period: Southbound**

- **Overall Throughput**
  - Persons Carried: HOV-1 (36%), GP-4 (64%)
  - Vehicles Carried: HOV-1 (18%), GP-4 (83%)

- **Per Lane Throughput (3-hr)**
  - Person Volume Per Lane: HOV-1 (6786), GP-4 (5226)
  - Vehicle Volume Per Lane: HOV-1 (6324), GP-4 (6327)
  - AVHOV = 3.4
  - AVOGP = 1.2
  - (+56%)

- **Per Lane Throughput (4-hr)**
  - Person Volume Per Lane: HOV-1 (15265), GP-4 (6786)
  - Vehicle Volume Per Lane: HOV-1 (6324), GP-4 (5226)
  - AVHOV = 2.9
  - AVOGP = 1.1
  - (-17%)
AM Peak Period: Westbound

Overall Throughput

- Persons Carried
  - HOV-2: 30%
  - GP-3: 70%
- Vehicles Carried
  - HOV-2: 15%
  - GP-3: 85%

Per Lane Throughput (3-hr)

- AVO_{HOV}= 2.8
- AVO_{GP}= 1.1
- [-37%] 5090
- [-74%] 4578

PM Peak Period: Eastbound

Overall Throughput

- Persons Carried
  - HOV-2: 35%
  - GP-3: 65%
- Vehicles Carried
  - HOV-2: 21%
  - GP-3: 79%

Per Lane Throughput (4-hr)

- AVO_{HOV}= 2.3
- AVO_{GP}= 1.1
- [-19%] 5410
- [-60%] 2383

GP vs. HOV Throughput Comparison (2006): I-90 Floating Bridge
GP vs. HOV Throughput Comparison (2006): I-90 near Issaquah

**AM Peak Period: Westbound**

**Overall Throughput**
- Persons Carried:
  - HOV-1: 25%
  - GP-3: 75%
- Vehicles Carried:
  - HOV-1: 13%
  - GP-3: 87%

**Per Lane Throughput (3-hr)**
- Person Volume Per Lane:
  - HOV-1: 5064 [+3%]
  - GP-3: 4932
- Vehicle Volume Per Lane:
  - HOV-1: 2018
  - GP-3: 4396
  [-54%]

**PM Peak Period: Eastbound**

**Overall Throughput**
- Persons Carried:
  - HOV-1: 25%
  - GP-3: 75%
- Vehicles Carried:
  - HOV-1: 13%
  - GP-3: 87%

**Per Lane Throughput (4-hr)**
- Person Volume Per Lane:
  - HOV-1: 7283
  - GP-3: 7363
  [-1%]
- Vehicle Volume Per Lane:
  - HOV-1: 2790
  - GP-3: 6157
  [-55%]

AVO_HOV = 2.5
AVO_GP = 1.1

AVO_HOV = 2.6
AVO_GP = 1.2
GP vs. HOV Throughput Comparison (2006): I-405 near Kirkland

AM Peak Period: Southbound

Overall Throughput

Persons Carried

HOV-1: 32% GP-3: 68%

Vehicles Carried

HOV-1: 19% GP-3: 81%

Per Lane Throughput (3-hr)

AVO_{HOV} = 2.4
AVO_{GP} = 1.1

Person Volume Per Lane

HOV-1: 7933 GP-3: 5607

[-31%] [+41%]

Vehicle Volume Per Lane

HOV-1: 3364 GP-3: 4906

PM Peak Period: Northbound

Overall Throughput

Persons Carried

HOV-1: 41% GP-3: 59%

Vehicles Carried

HOV-1: 25% GP-3: 75%

Per Lane Throughput (4-hr)

AVO_{HOV} = 2.4
AVO_{GP} = 1.2

Person Volume Per Lane

HOV-1: 13684 GP-3: 6643

[-106%] [+106%]

Vehicle Volume Per Lane

HOV-1: 5673 GP-3: 5709

[-1%]
GP vs. HOV Throughput Comparison (2006): I-405 near Renton (Cedar Avenue)

**AM Peak Period: Northbound**

- **Overall Throughput**
  - Persons Carried:
    - HOV-1: 34%
    - GP-2: 66%
  - Vehicles Carried:
    - HOV-1: 25%
    - GP-2: 75%

- **Per Lane Throughput (3-hr)**
  - Person Volume Per Lane:
    - HOV-1: 5705
    - GP-2: 5489
    - [+4%]
  - Vehicle Volume Per Lane:
    - HOV-1: 2555
    - GP-2: 3741
    - [-32%]
  - AV_OHOV = 2.2
  - AV_OGP = 1.5

**PM Peak Period: Southbound**

- **Overall Throughput**
  - Persons Carried:
    - HOV-1: 45%
    - GP-2: 55%
  - Vehicles Carried:
    - HOV-1: 29%
    - GP-2: 71%

- **Per Lane Throughput (4-hr)**
  - Person Volume Per Lane:
    - HOV-1: 11158
    - GP-2: 6800
    - [+64%]
  - Vehicle Volume Per Lane:
    - HOV-1: 4781
    - GP-2: 5827
    - [-18%]
  - AV_OHOV = 2.3
  - AV_OGP = 1.2
GP vs. HOV Throughput Comparison (2006): I-405 near Newcastle
GP vs. HOV Throughput Comparison (2006): SR 520 near Medina
AM Peak Period: Northbound

PM Peak Period: Southbound

GP vs. HOV Throughput Comparison (2006): SR 167 near Kent
GP vs. HOV Throughput Comparison (2006): SR 520 near Medina

**AM Peak Period: Westbound**
- Overall Throughput:
  - Persons Carried: 30% (HOV-1), 70% (GP-2)
  - Vehicles Carried: 5% (HOV-1), 94% (GP-2)
- Per Lane Throughput (3-hr):
  - Person Volume Per Lane: -14% (HOV-1), 88% (GP-2)
  - Vehicle Volume Per Lane: 4097 (HOV-1), 4763 (GP-2)

**PM Peak Period: Westbound**
- Overall Throughput:
  - Persons Carried: 32% (HOV-1), 68% (GP-2)
  - Vehicles Carried: 13% (HOV-1), 87% (GP-2)
- Per Lane Throughput (4-hr):
  - Person Volume Per Lane: -5% (HOV-1), -88% (GP-2)
  - Vehicle Volume Per Lane: 5618 (HOV-1), 5920 (GP-2)