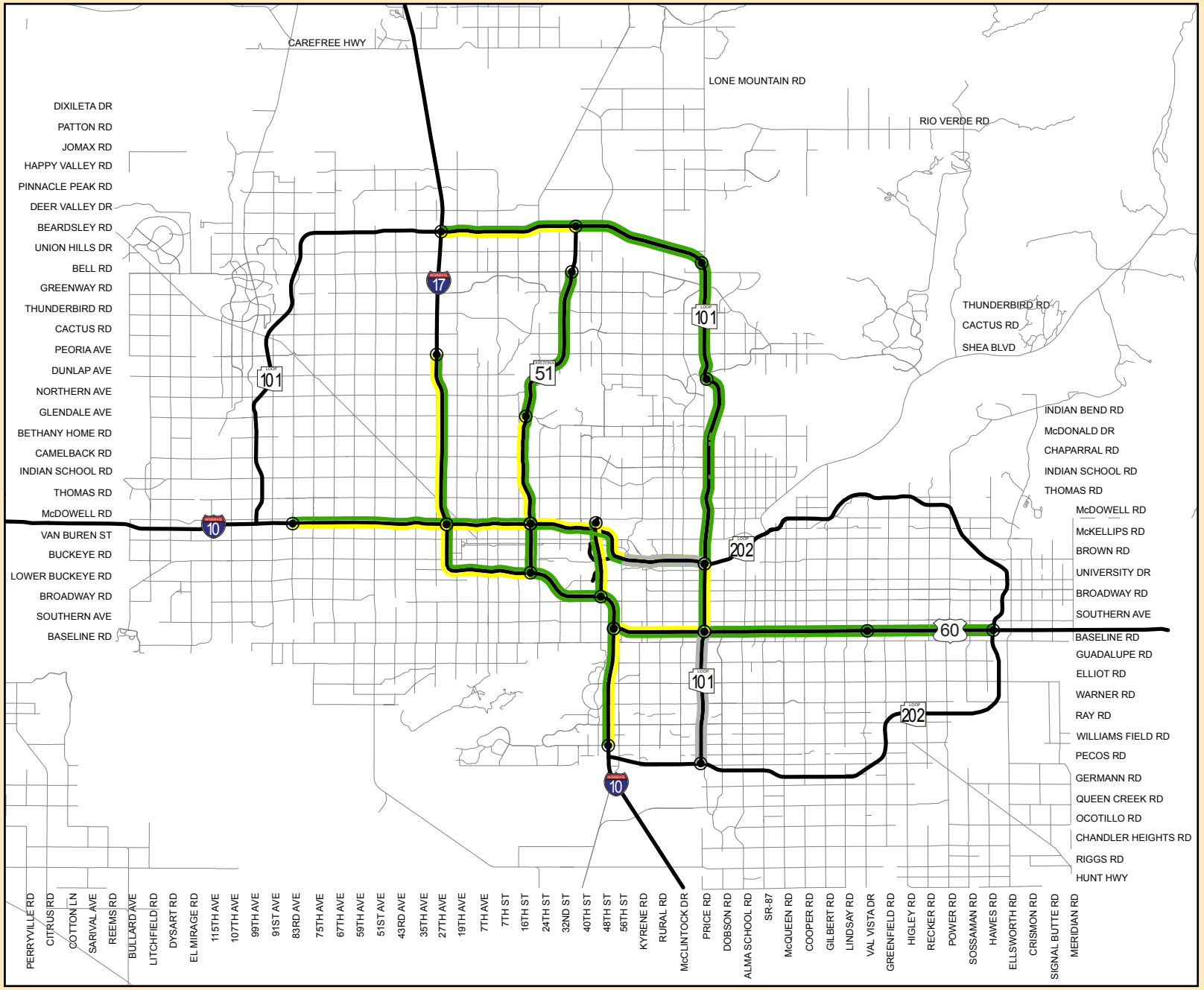
DRAFT

MARICOPA ASSOCIATION of GOVERNMENTS

Performance Measures Study

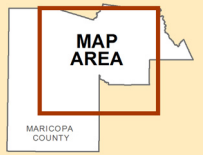
# Average AM Peak Period Corridor Speeds General Purpose Lanes




## Legend

### Average Corridor Speeds (2010)

- 25 - 40 MPH
- 40 - 55 MPH
- > 55 MPH
- Data Not Valid
- Existing Freeway
- Major Roads
- Corridor Breakpoints




While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

0 5 10 15 20 Miles

N

Source: Maricopa Association of Governments

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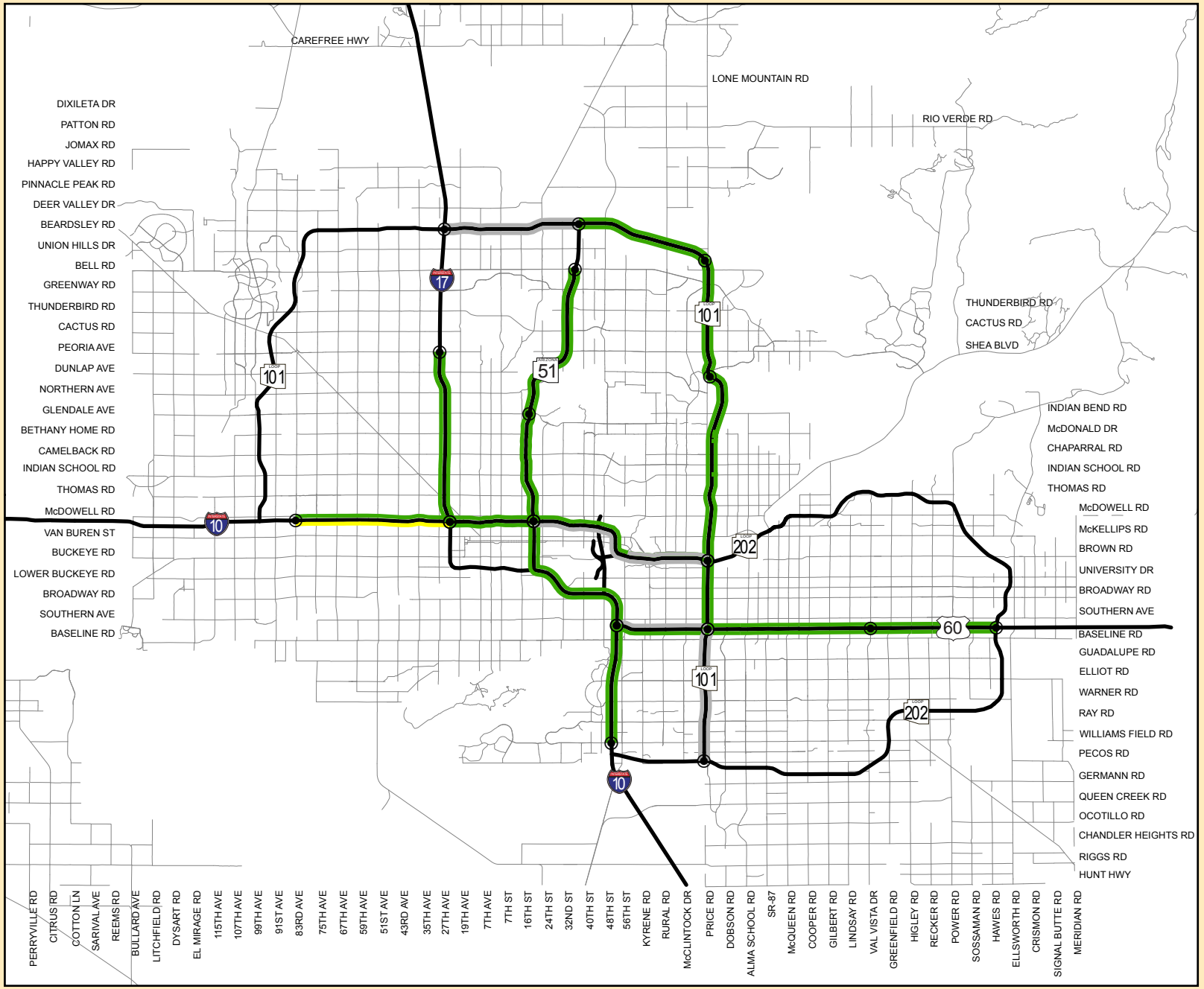
MARICOPA ASSOCIATION of GOVERNMENTS

Performance Measures Study

# Average AM Peak Period Corridor Speeds HOV Lanes




## Legend

### Average Corridor Speeds (2010)

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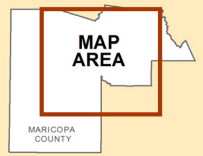
- 40 - 55 MPH
- > 55 MPH
- Data Not Valid
- Existing Freeway
- Major Roads
- Corridor Breakpoints

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0 5 10 15 20 Miles

N

Source: Maricopa Association of Governments

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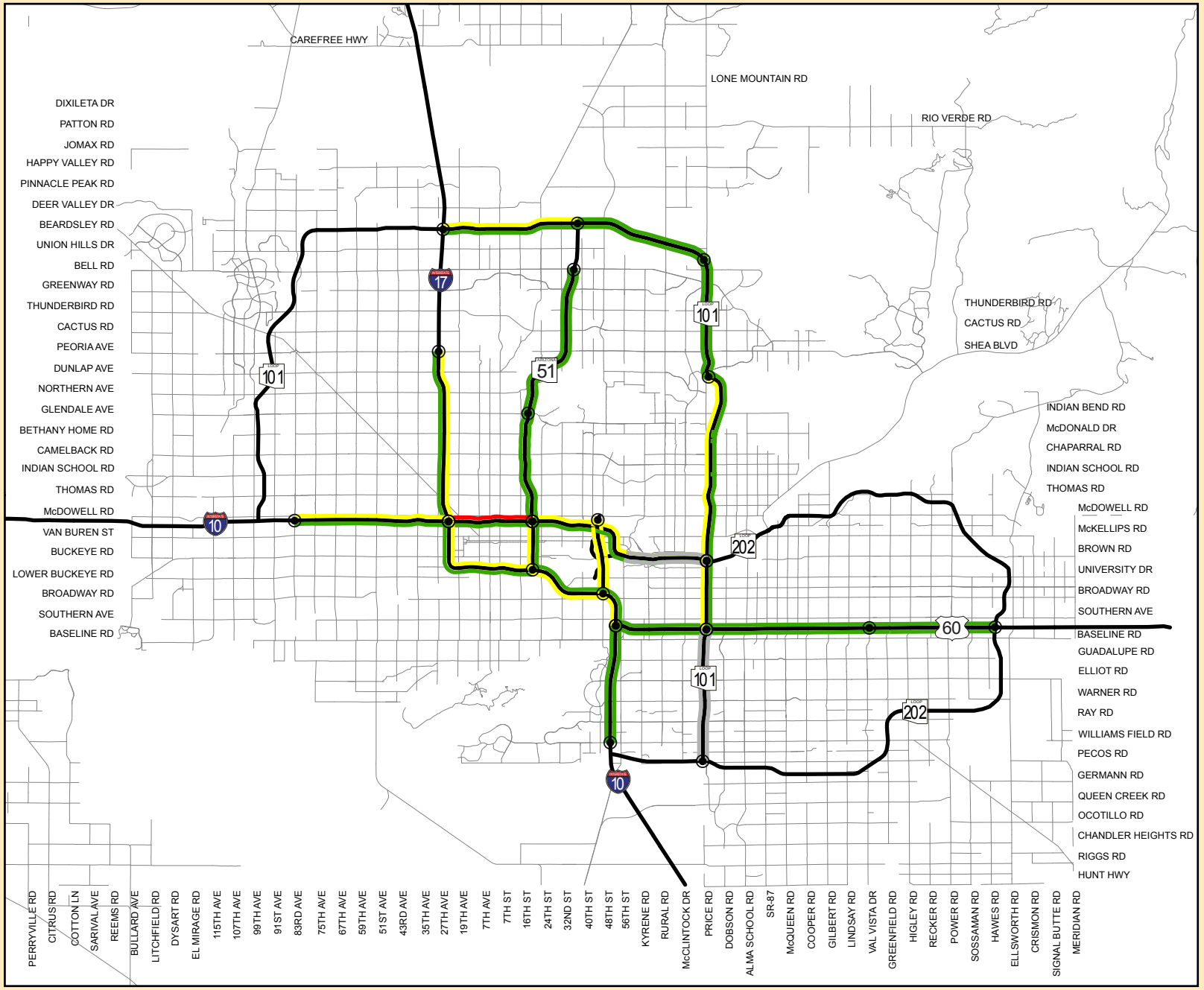
Performance Measures Study

# Average PM Peak Period Corridor Speeds General Purpose Lanes




## Legend

### Average Corridor Speeds (2010)

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- 40 - 55 MPH
- > 55 MPH
- Data Not Valid
- Existing Freeway
- Major Roads
- Corridor Breakpoints

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0 5 10 15 20 Miles

N

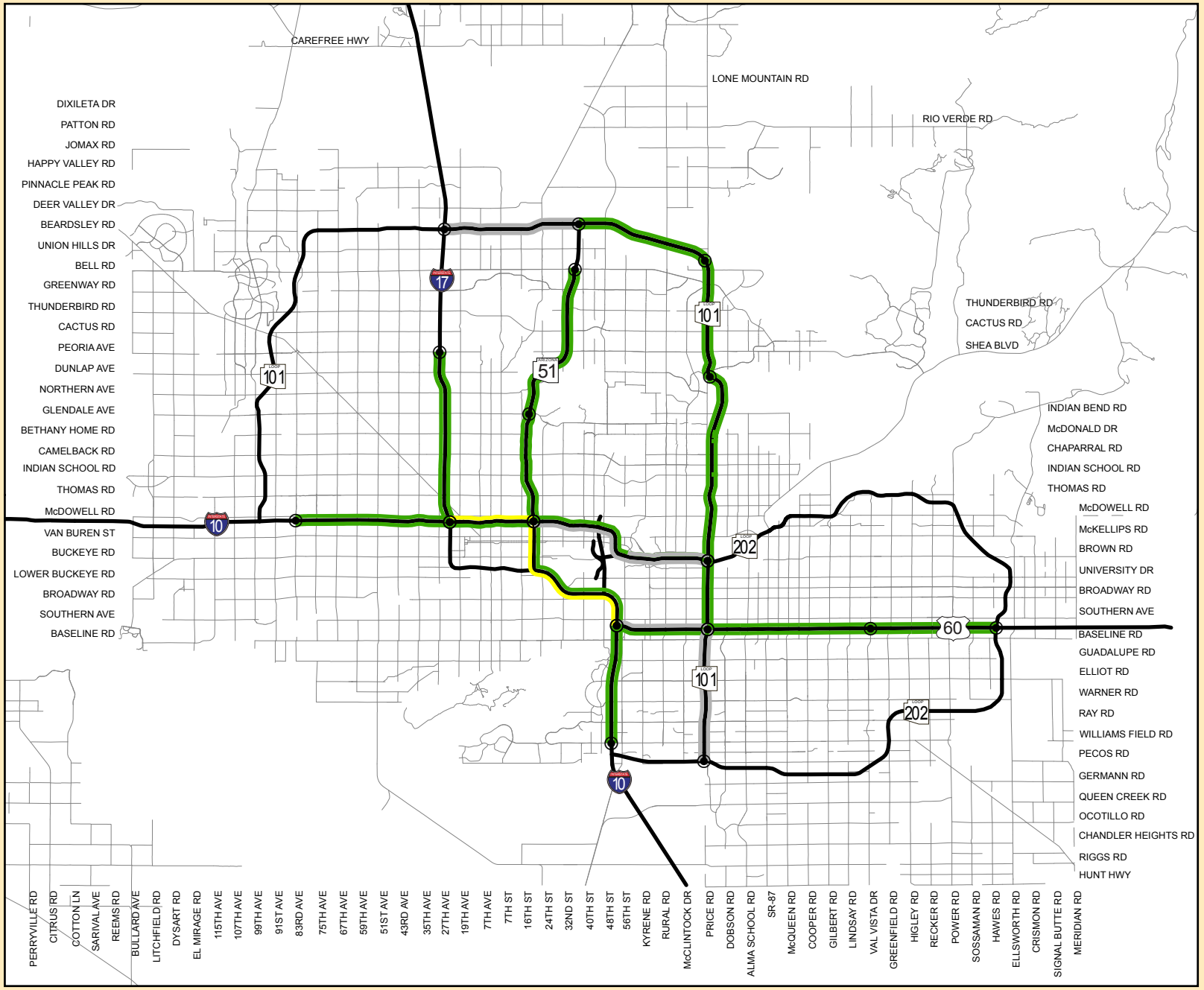
Source: Maricopa Association of Governments

DRAFT

MARICOPA ASSOCIATION of GOVERNMENTS

Performance Measures Study

# Average PM Peak Period Corridor Speeds HOV Lanes




## Legend

### Average Corridor Speeds (2010)

- 25 - 40 MPH
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- Corridor Breakpoints

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0 5 10 15 20 Miles

N

Source: Maricopa Association of Governments

**Results for Annual Average Peak Period Speed by Corridor**

| Corridor ID | Freeway Corridor | Dir | From | To | Average AM Peak Period Speed (mph) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | General-purpose Lanes | | | HOV Lanes | | |
| | | | | | 2009 | 2010 | % Change | 2009 | 2010 | % Change |
| A | I-10 Papago | EB | 83rd Avenue | I-17 | 51.8 | 49.8 | -3.8% | 56.1 | 53.4 | -4.8% |
| | | WB | I-17 | 83rd Avenue | 60.0 | 60.4 | 0.6% | 61.2 | 61.8 | 0.9% |
| B | I-10 Papago | EB | I-17 | SR 51/Loop 202 | 52.4 | 53.5 | 2.0% | 62.6 | 62.5 | -0.2% |
| | | WB | SR 51/Loop 202 | I-17 | 57.1 | 58.5 | 2.5% | 64.0 | 65.8 | 2.7% |
| C | I-10 Maricopa | EB | SR 51/Loop 202 | U.S. 60 | 60.9 | 61.5 | 1.0% | 64.8 | 66.7 | 2.9% |
| | | WB | U.S. 60 | SR 51/Loop 202 | 58.3 | 57.4 | -1.5% | 60.8 | 59.7 | -1.8% |
| D | I-10 Maricopa | EB | U.S. 60 | Chandler Blvd | 63.3 | 64.7 | 2.3% | 67.4 | 68.3 | 1.2% |
| | | WB | Chandler Blvd | U.S. 60 | 42.7 | 43.2 | 1.2% | 59.7 | 58.7 | -1.7% |
| E | I-17 | NB | Maricopa TI | I-10 | 57.6 | 58.5 | 1.7% | na | na | na |
| | | SB | I-10 | Maricopa TI | 53.9 | 53.6 | -0.6% | na | na | na |
| F | I-17 | NB | I-10 | Peoria Ave. | 57.1 | 58.0 | 1.6% | 62.8 | 61.3 | -2.4% |
| | | SB | Peoria Ave. | I-10 | 50.7 | 50.3 | -0.8% | 59.8 | 60.2 | 0.8% |
| G | SR 51 | NB | I-10/Loop 202 | Glendale Avenue | 61.8 | 62.6 | 1.3% | 66.9 | 66.9 | 0.1% |
| | | SB | Glendale Avenue | I-10/Loop 202 | 53.7 | 54.8 | 2.1% | 58.8 | 58.9 | 0.2% |
| H | SR 51 | NB | Glendale Avenue | Bell Road | 64.2 | 65.1 | 1.4% | 61.2 | 62.1 | 1.4% |
| | | SB | Bell Road | Glendale Avenue | 60.6 | 61.2 | 1.0% | 65.1 | 65.7 | 0.9% |
| I | Loop 202 | EB | I-10/SR 51 | Loop 101 | 58.6 | 63.5 | 8.4% | 62.8 | not available | na |
| | | WB | Loop 101 | I-10/SR 51 | 53.8 | 54.9 | 2.0% | 62.1 | 63.7 | 2.5% |
| J | U.S. 60 | EB | I-10 | Loop 101 | 57.6 | 60.6 | 5.2% | 62.0 | 61.5 | -0.7% |
| | | WB | Loop 101 | I-10 | 48.4 | 53.3 | 10.1% | 60.8 | not available | na |
| K | U.S. 60 | EB | Loop 101 | Val Vista Dr. | 59.6 | 60.9 | 2.1% | 62.6 | 61.7 | -1.5% |
| | | WB | Val Vista Dr. | Loop 101 | 58.8 | 59.3 | 0.8% | 62.3 | 62.3 | 0.0% |
| L | U.S. 60 | EB | Val Vista Dr. | Loop 202 | 64.8 | 65.7 | 1.4% | 68.7 | 64.1 | -6.7% |
| | | WB | Loop 202 | Val Vista Dr. | 63.6 | 64.1 | 0.7% | 68.0 | 68.1 | 0.2% |
| M | SR 143 | NB | I-10 | Loop 202/ McDowell | 53.5 | 54.6 | 2.0% | na | na | na |
| | | SB | Loop 202/ McDowell | I-10 | 54.6 | 55.9 | 2.5% | na | na | na |
| N | Loop 101 | NB | Loop 202 Santan | U.S. 60 | 54.2 | not available | na | not available | not available | na |
| | | SB | U.S. 60 | Loop 202 Santan | 61.1 | not available | na | not available | not available | na |
| O | Loop 101 | NB | U.S. 60 | Loop 202 Red Mountain | 52.5 | 53.0 | 1.0% | not available | 63.9 | na |
| | | SB | Loop 202 Red Mountain | U.S. 60 | 60.3 | 64.8 | 7.5% | not available | 69.7 | na |
| P | Loop 101 | NB | Loop 202 Red Mountain | 90th St. | na | 55.4 | na | na | 63.9 | na |
| | | SB | 90th St. | Loop 202 Red Mountain | na | 63.4 | na | na | 70.0 | na |
| Q | Loop 101 | NB | 90th St. | Pima Rd. | na | 62.7 | na | na | 66.6 | na |
| | | SB | Pima Rd. | 90th St. | na | 64.0 | na | na | 70.1 | na |
| R | Loop 101 | EB | Pima Rd. | SR 51 | na | 60.9 | na | na | 68.5 | na |
| | | WB | SR 51 | Pima Rd. | na | 65.9 | na | na | 70.3 | na |
| S | Loop 101 | EB | SR 51 | I-17 | na | 45.1 | na | na | not available | na |
| | | WB | I-17 | SR 51 | na | 65.0 | na | na | not available | na |

Source: ADOT FMS
na = not applicable

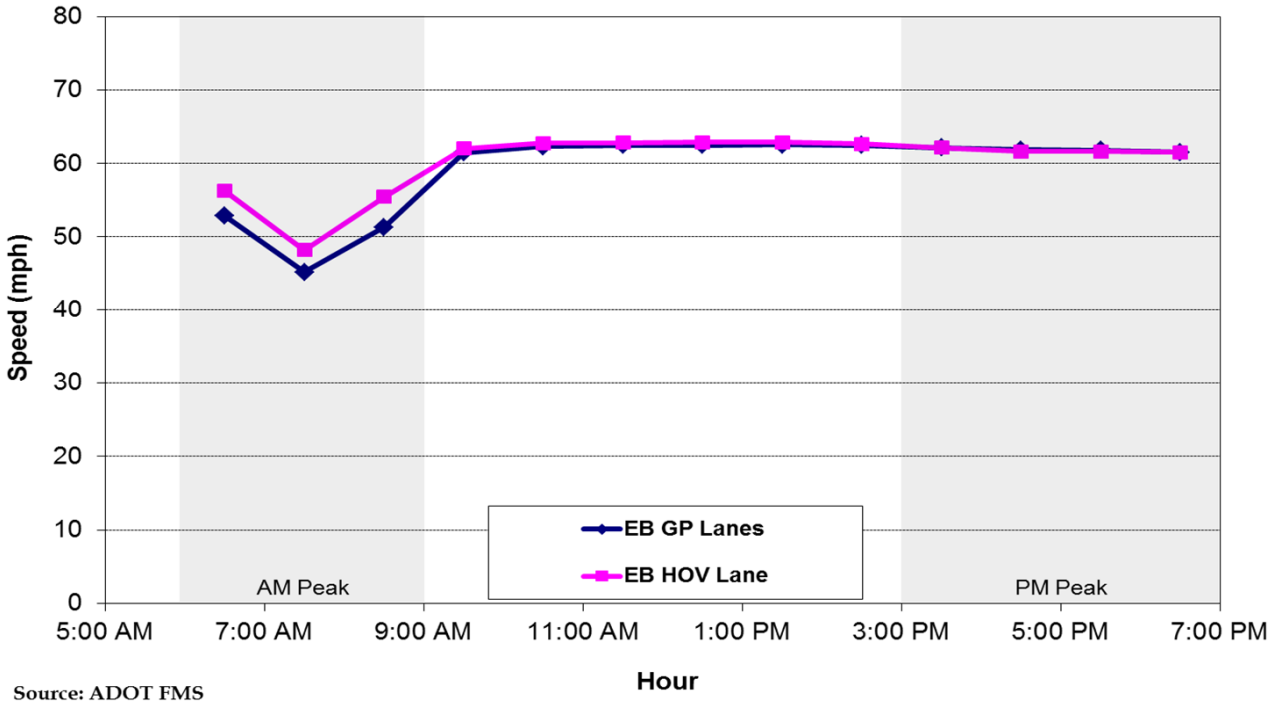
**Results for Annual Average Peak Period Speed by Corridor**

| Corridor ID | Freeway Corridor | Dir | From | To | Average PM Peak Period Speed (mph) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | General-purpose Lanes | | | HOV Lanes | | |
| | | | | | 2009 | 2010 | % Change | 2009 | 2010 | % Change |
| A | I-10 Papago | EB | 83rd Avenue | I-17 | 61.9 | 61.8 | 0.0% | 63.0 | 61.7 | -2.0% |
| | | WB | I-17 | 83rd Avenue | 54.0 | 54.1 | 0.3% | 58.1 | 58.6 | 0.9% |
| B | I-10 Papago | EB | I-17 | SR 51/Loop 202 | 56.4 | 56.9 | 0.9% | 62.9 | 63.5 | 0.9% |
| | | WB | SR 51/Loop 202 | I-17 | 40.0 | 37.5 | -6.3% | 49.3 | 47.3 | -4.1% |
| C | I-10 Maricopa | EB | SR 51/Loop 202 | U.S. 60 | 41.1 | 44.4 | 8.2% | 48.2 | 51.4 | 6.5% |
| | | WB | U.S. 60 | SR 51/Loop 202 | 61.2 | 61.5 | 0.5% | 62.9 | 62.4 | -0.8% |
| D | I-10 Maricopa | EB | U.S. 60 | Chandler Blvd | 52.0 | 56.7 | 9.0% | 61.5 | 63.0 | 2.5% |
| | | WB | Chandler Blvd | U.S. 60 | 59.6 | 60.3 | 1.2% | 68.7 | 67.1 | -2.3% |
| E | I-17 | NB | Maricopa TI | I-10 | 50.8 | 50.9 | 0.2% | na | na | na |
| | | SB | I-10 | Maricopa TI | 56.6 | 57.5 | 1.4% | na | na | na |
| F | I-17 | NB | I-10 | Peoria Ave. | 48.0 | 48.6 | 1.1% | 57.1 | 55.5 | -2.9% |
| | | SB | Peoria Ave. | I-10 | 55.2 | 56.2 | 1.8% | 61.2 | 62.3 | 1.9% |
| G | SR 51 | NB | I-10/Loop 202 | Glendale Avenue | 56.3 | 55.8 | -0.8% | 65.0 | 65.0 | 0.1% |
| | | SB | Glendale Avenue | I-10/Loop 202 | 56.3 | 57.6 | 2.3% | 60.3 | 60.5 | 0.4% |
| H | SR 51 | NB | Glendale Avenue | Bell Road | 63.4 | 64.3 | 1.3% | 61.1 | 62.1 | 1.8% |
| | | SB | Bell Road | Glendale Avenue | 63.7 | 64.6 | 1.4% | 66.5 | 67.1 | 0.9% |
| I | Loop 202 | EB | I-10/SR 51 | Loop 101 | 48.7 | 62.8 | 29.0% | 57.0 | not available | na |
| | | WB | Loop 101 | I-10/SR 51 | 56.4 | 54.7 | -3.0% | 63.0 | 62.9 | -0.1% |
| J | U.S. 60 | EB | I-10 | Loop 101 | 52.1 | 57.6 | 10.6% | 60.2 | 62.7 | 4.2% |
| | | WB | Loop 101 | I-10 | 61.1 | 62.4 | 2.1% | 64.2 | not available | na |
| K | U.S. 60 | EB | Loop 101 | Val Vista Dr. | 58.9 | 59.5 | 0.9% | 63.9 | 62.9 | -1.5% |
| | | WB | Val Vista Dr. | Loop 101 | 61.9 | 62.4 | 0.8% | 61.8 | 62.2 | 0.7% |
| L | U.S. 60 | EB | Val Vista Dr. | Loop 202 | 65.6 | 66.3 | 1.1% | 70.3 | 68.8 | -2.1% |
| | | WB | Loop 202 | Val Vista Dr. | 63.0 | 63.6 | 0.9% | 66.4 | 66.6 | 0.3% |
| M | SR 143 | NB | I-10 | Loop 202/ McDowell | 53.9 | 55.0 | 2.1% | na | na | 0.0 |
| | | SB | Loop 202/ McDowell | I-10 | 51.6 | 53.9 | 4.6% | na | na | 0.0 |
| N | Loop 101 | NB | Loop 202 Santan | U.S. 60 | 61.0 | not available | na | not available | not available | na |
| | | SB | U.S. 60 | Loop 202 Santan | 56.5 | not available | na | not available | not available | na |
| O | Loop 101 | NB | U.S. 60 | Loop 202 Red Mountain | 59.8 | 63.0 | 5.4% | not available | 68.6 | na |
| | | SB | Loop 202 Red Mountain | U.S. 60 | 40.0 | 47.5 | 18.8% | not available | 58.4 | na |
| P | Loop 101 | NB | Loop 202 Red Mountain | 90th St. | na | 59.9 | na | na | 66.4 | na |
| | | SB | 90th St. | Loop 202 Red Mountain | na | 52.0 | na | na | 63.6 | na |
| Q | Loop 101 | NB | 90th St. | Pima Rd. | na | 61.7 | na | na | 66.5 | na |
| | | SB | Pima Rd. | 90th St. | na | 63.6 | na | na | 69.9 | na |
| R | Loop 101 | EB | Pima Rd. | SR 51 | na | 64.3 | na | na | 70.0 | na |
| | | WB | SR 51 | Pima Rd. | na | 55.6 | na | na | 66.1 | na |
| S | Loop 101 | EB | SR 51 | I-17 | na | 59.6 | na | na | not available | na |
| | | WB | I-17 | SR 51 | na | 52.3 | na | na | not available | na |

Source: ADOT FMS
na = not applicable

**Hourly Average Speeds (2010)** Corridor A

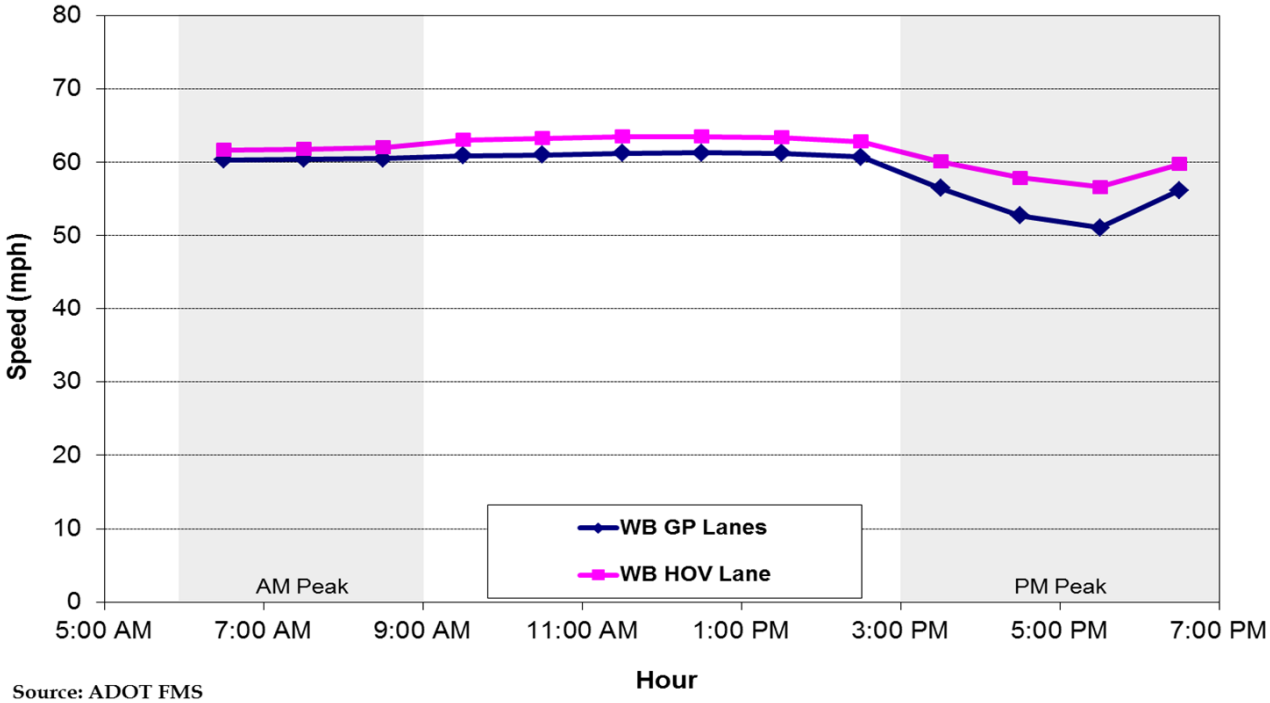
I-10 Papago Eastbound: 83rd Avenue to I-17



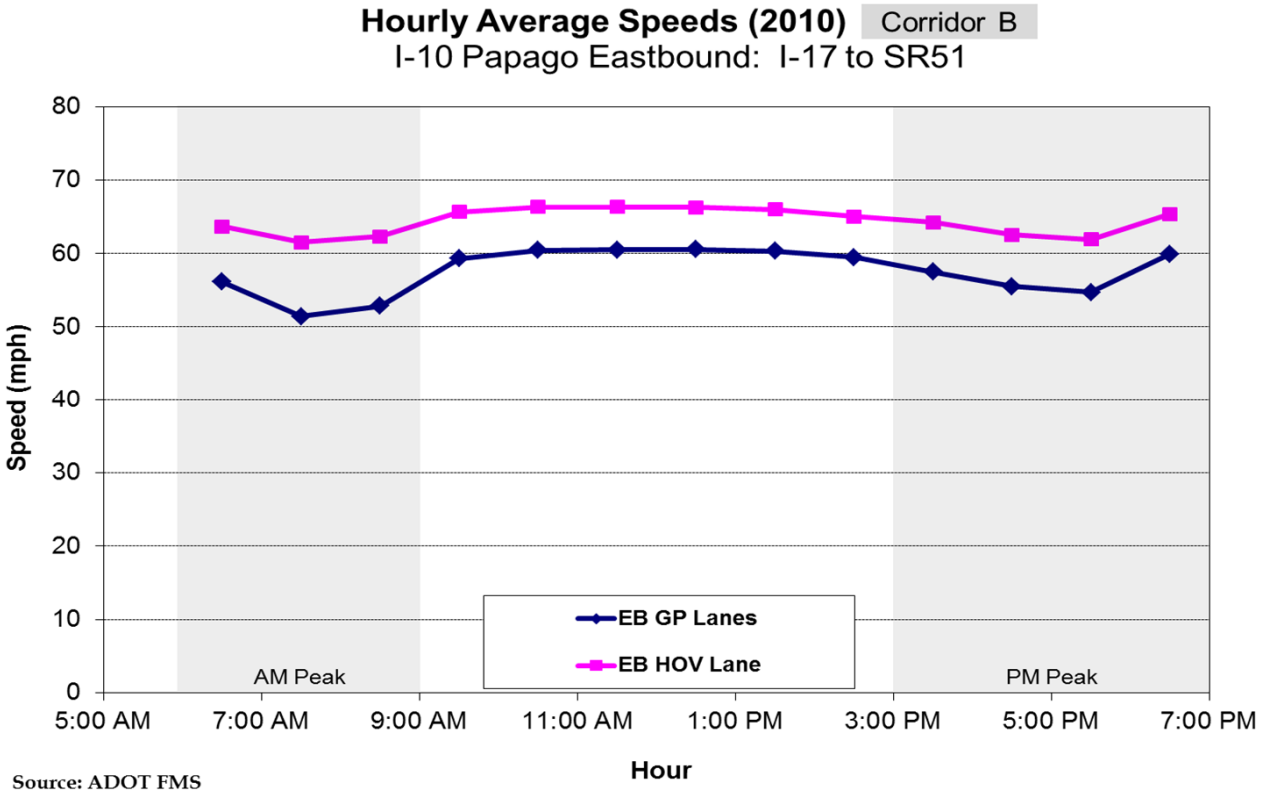

Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor A

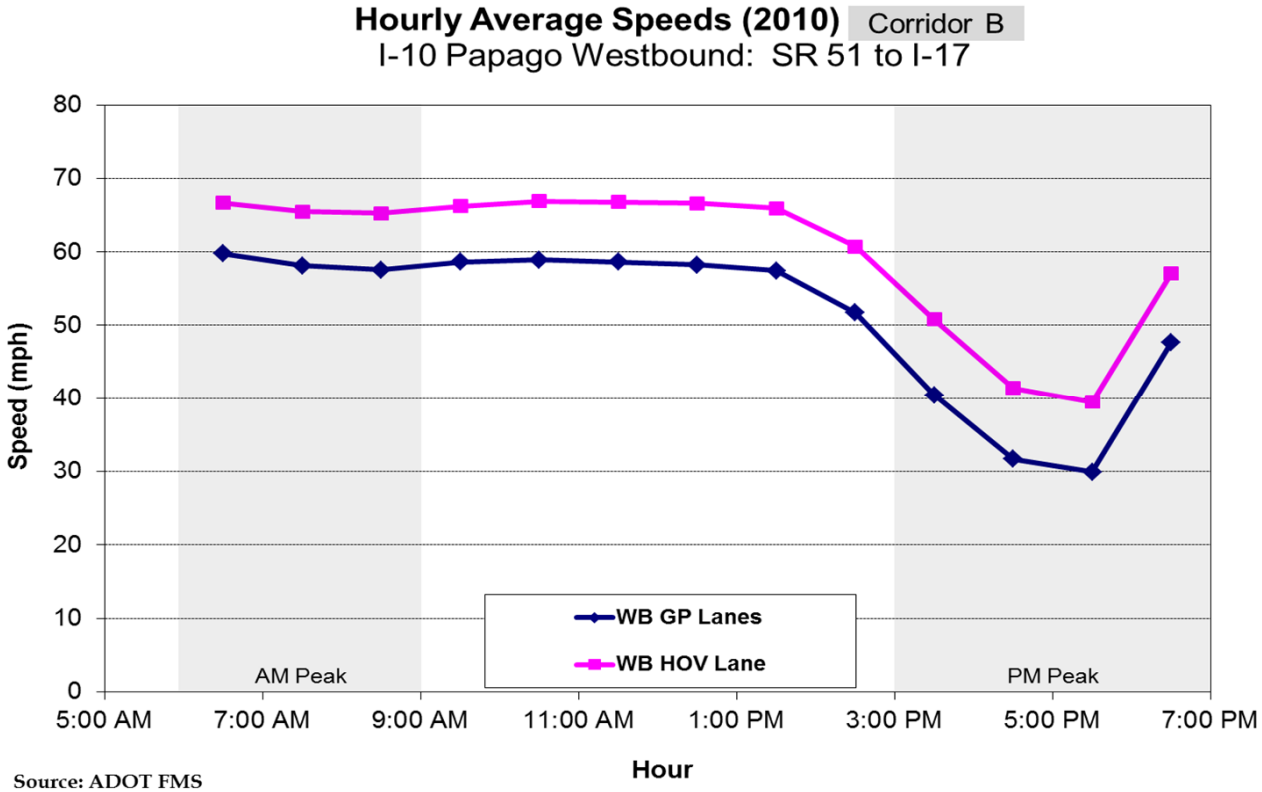
I-10 Papago Weststbound: I-17 to 83rd Avenue



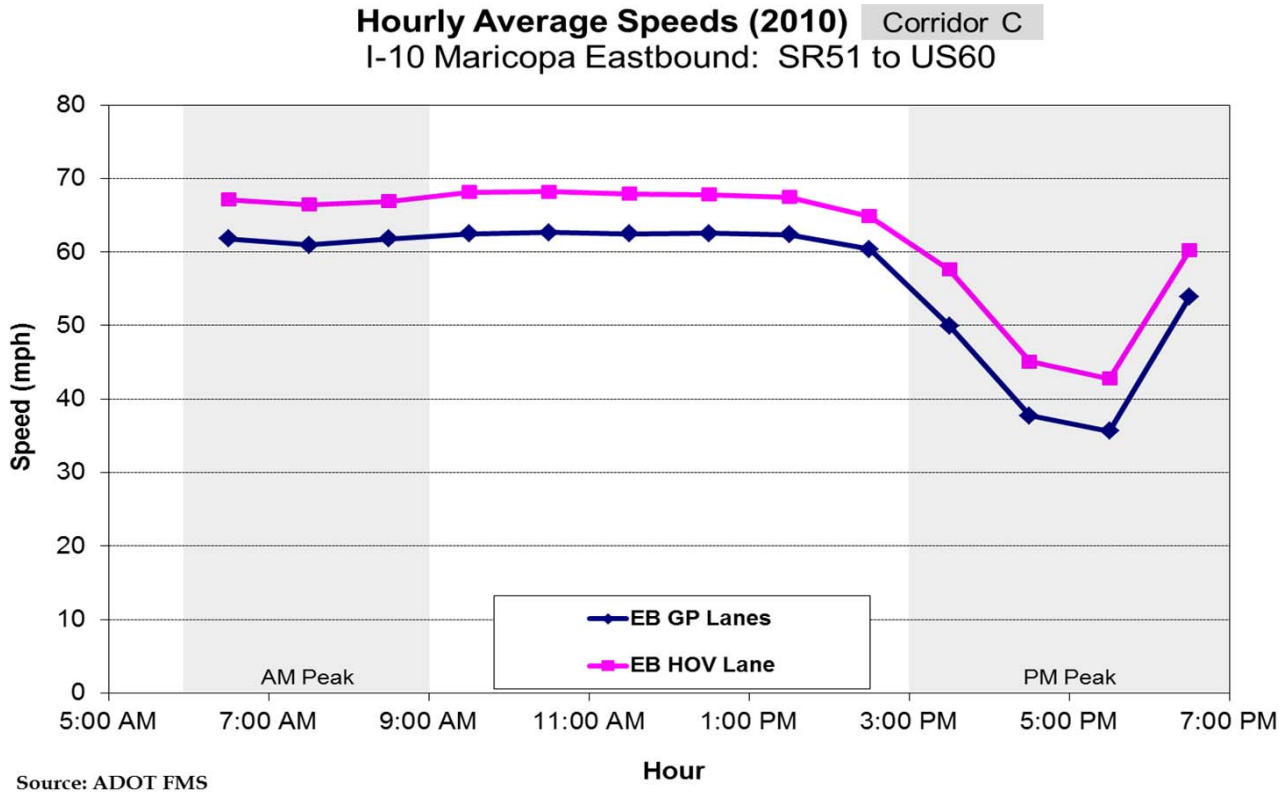

Source: ADOT FMS



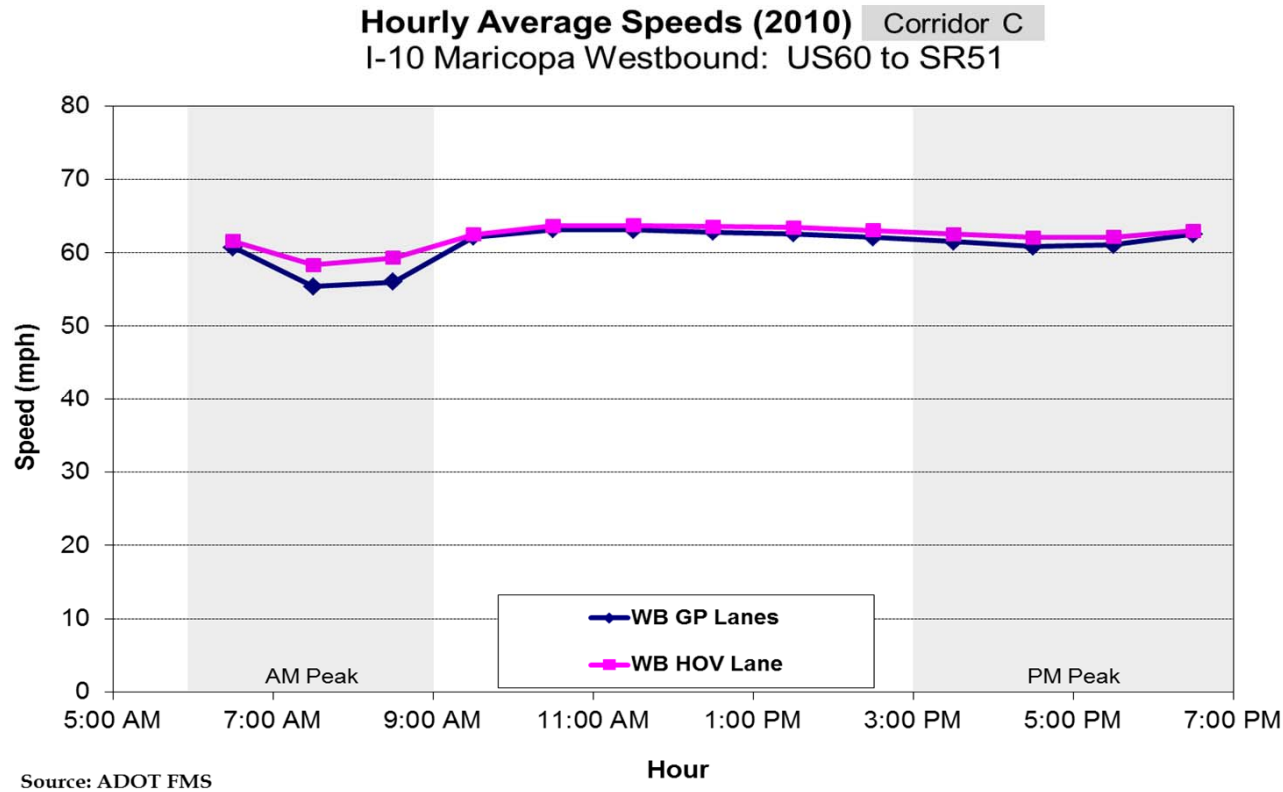

Source: ADOT FMS




Source: ADOT FMS



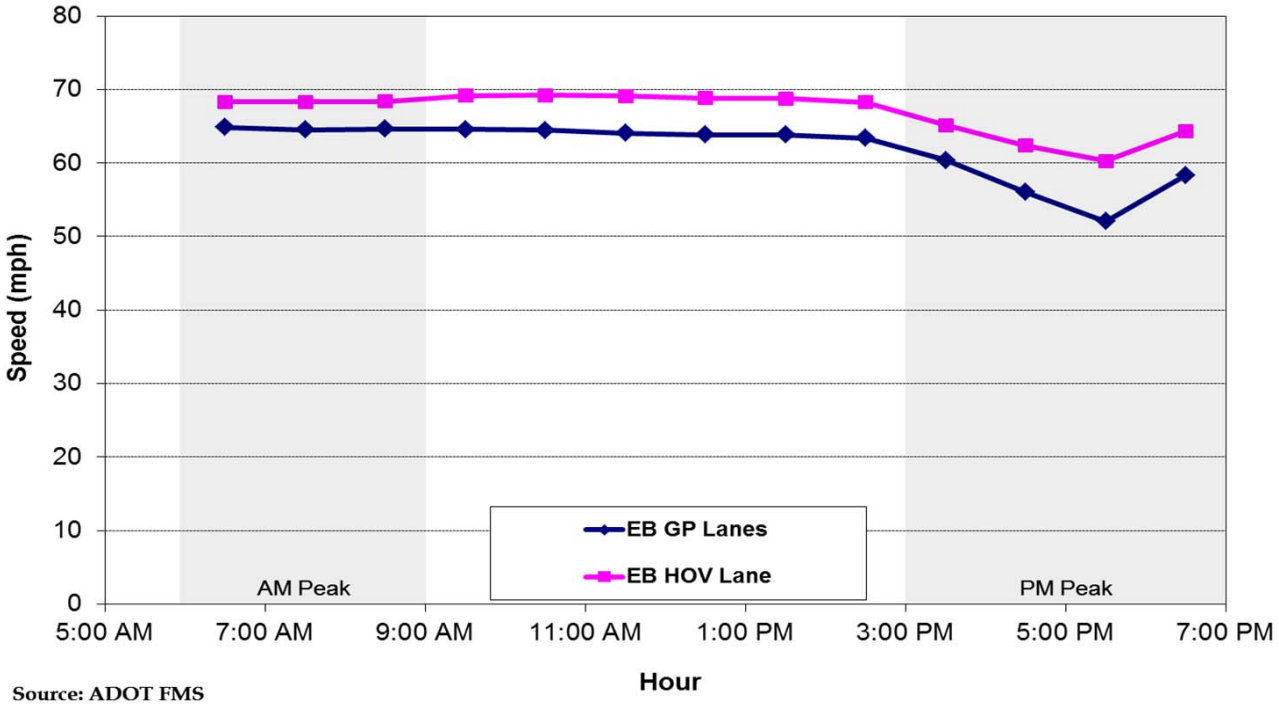

Source: ADOT FMS




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor D

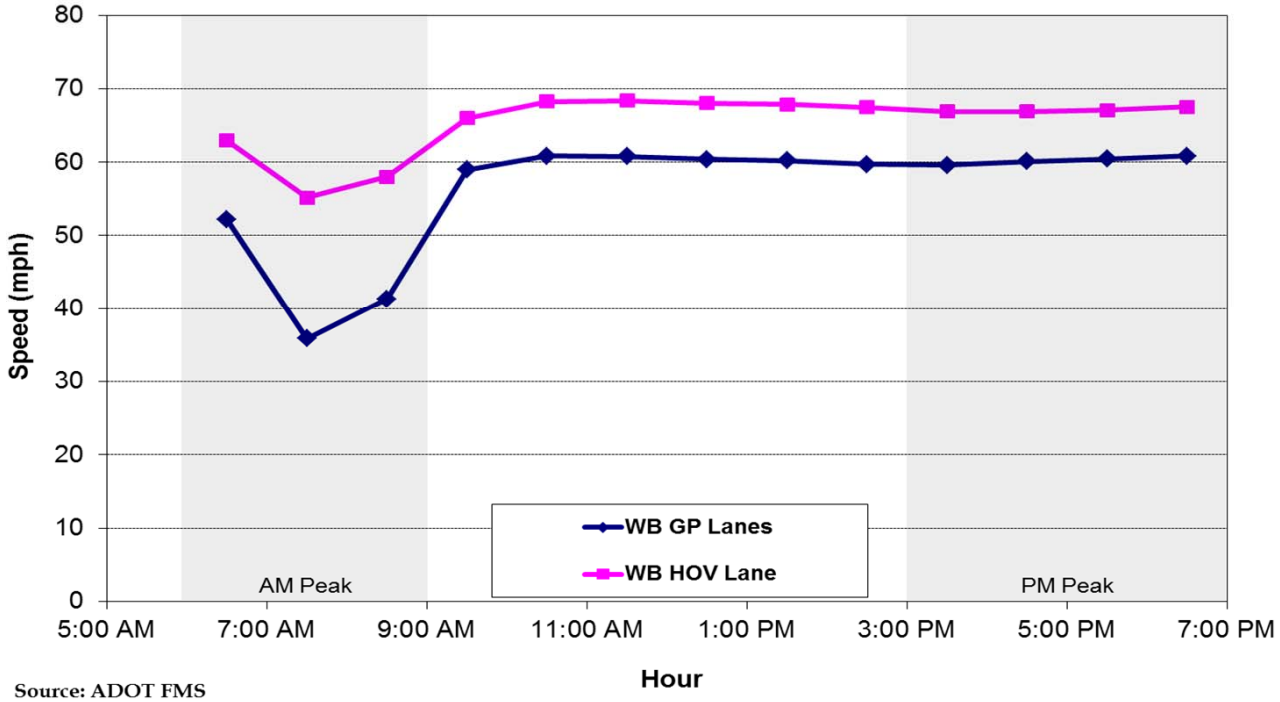
I-10 Maricopa Eastbound: US60 to Chandler Boulevard



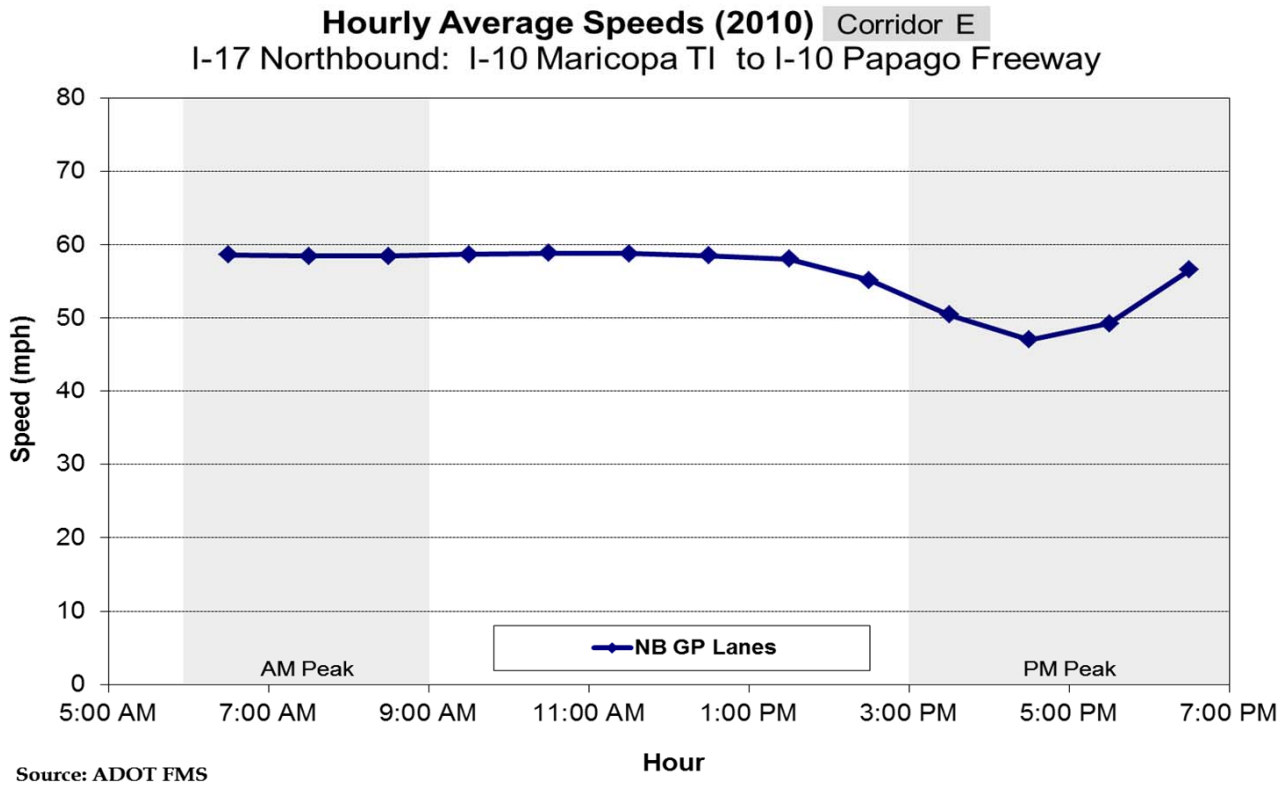

Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor D

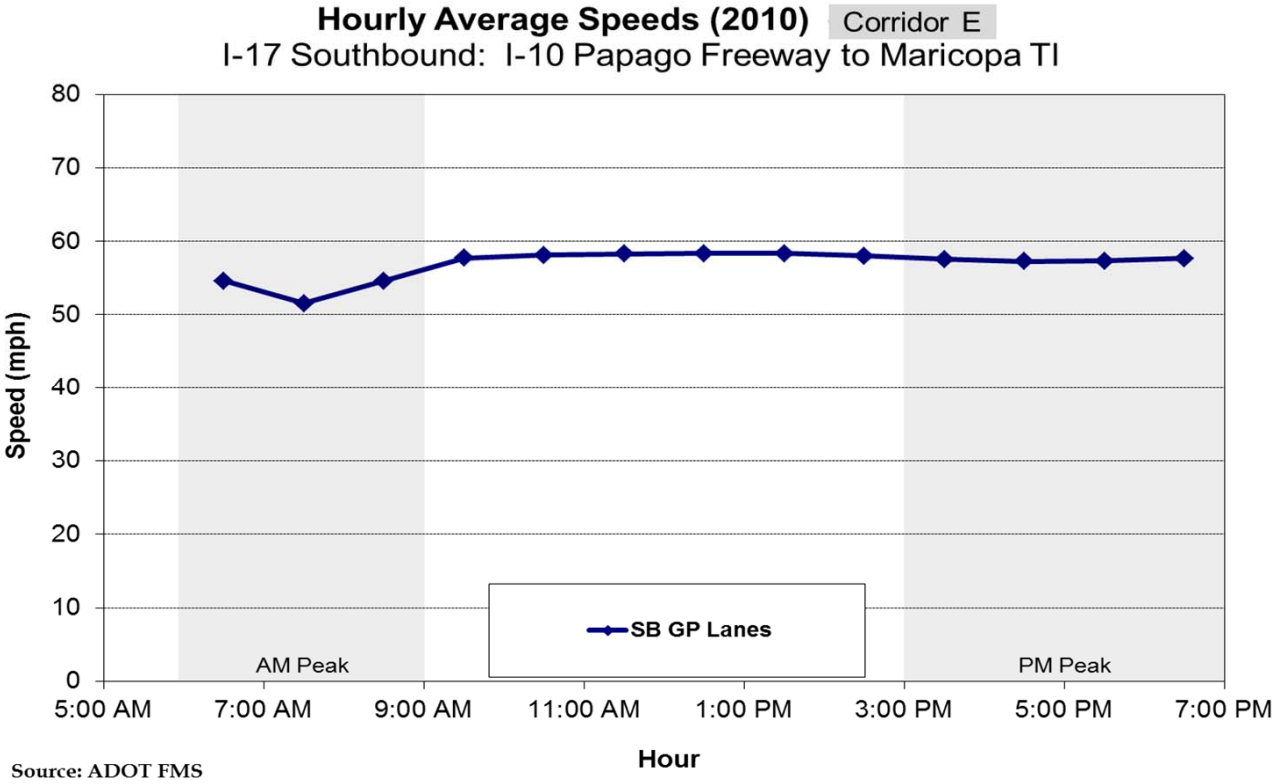
I-10 Maricopa Westbound: Chandler Boulevard to US60




Source: ADOT FMS



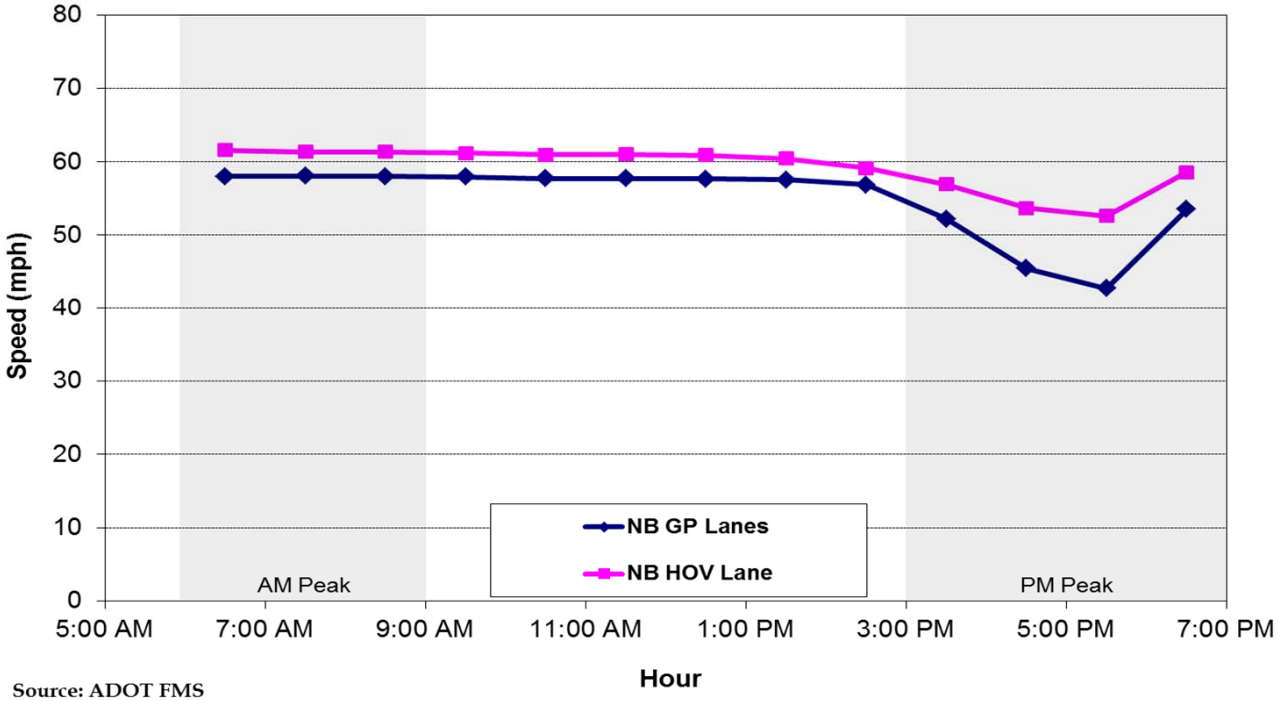

Source: ADOT FMS




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor F

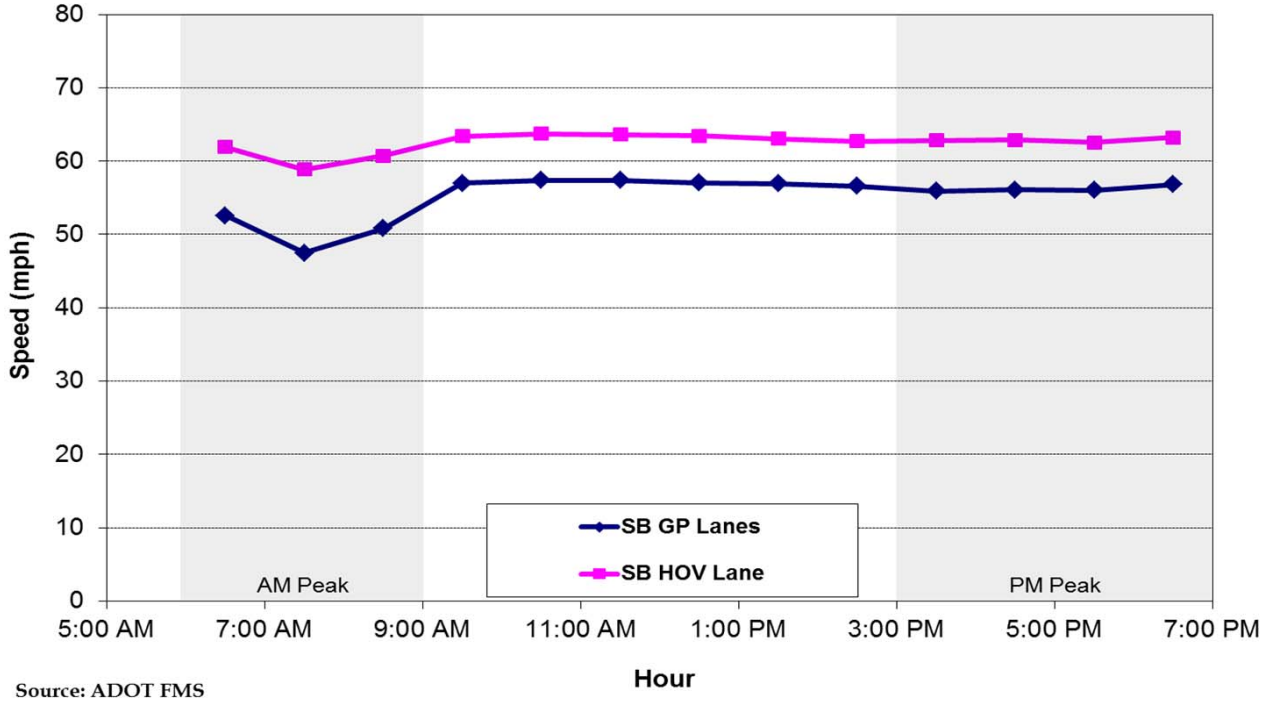
I-17 Northbound: I-10 Papago Freeway to Peoria Avenue




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor F

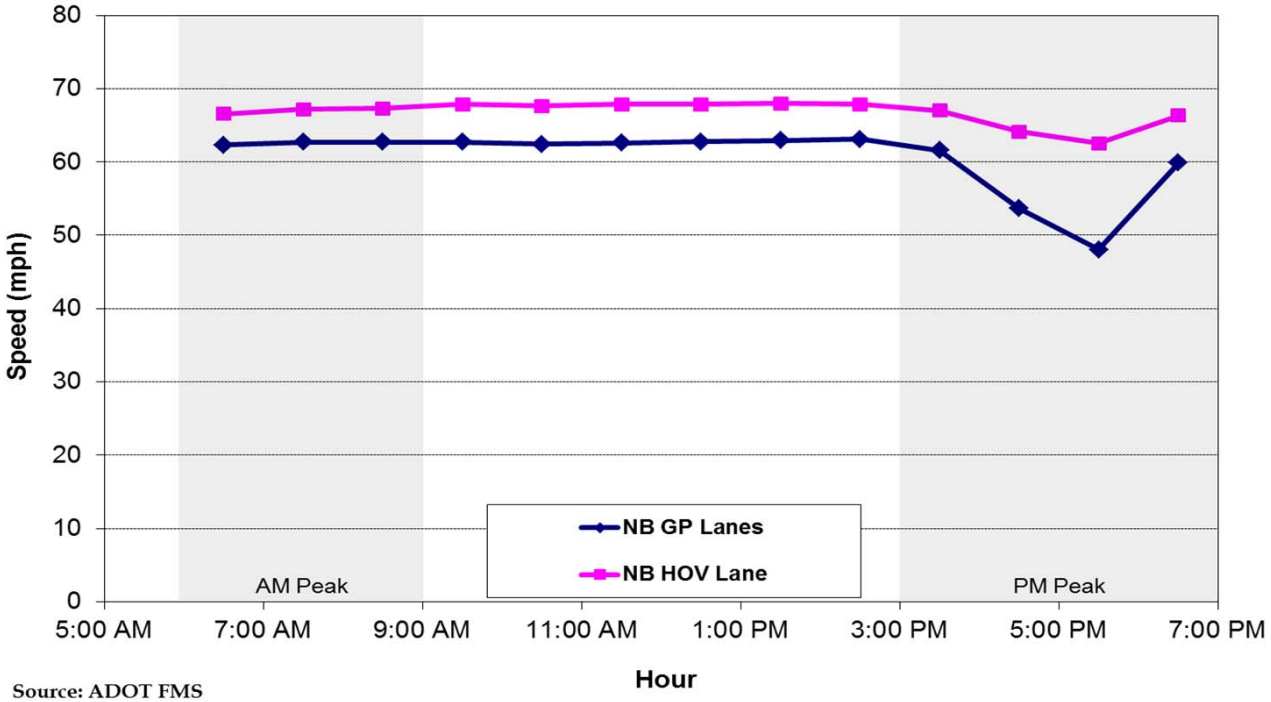
I-17 Southbound: Peoria Avenue to I-10 Papago Freeway




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor G

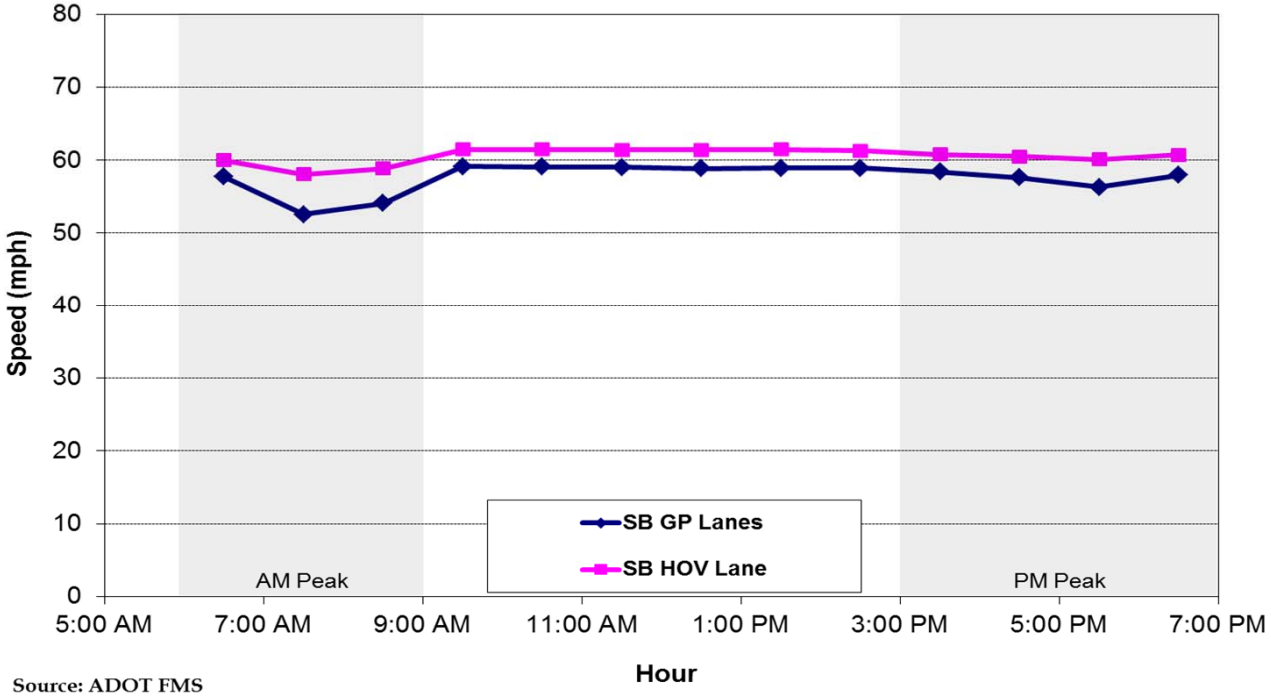
SR51 Northbound: I-10 Papago Freeway to Glendale Avenue




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor G

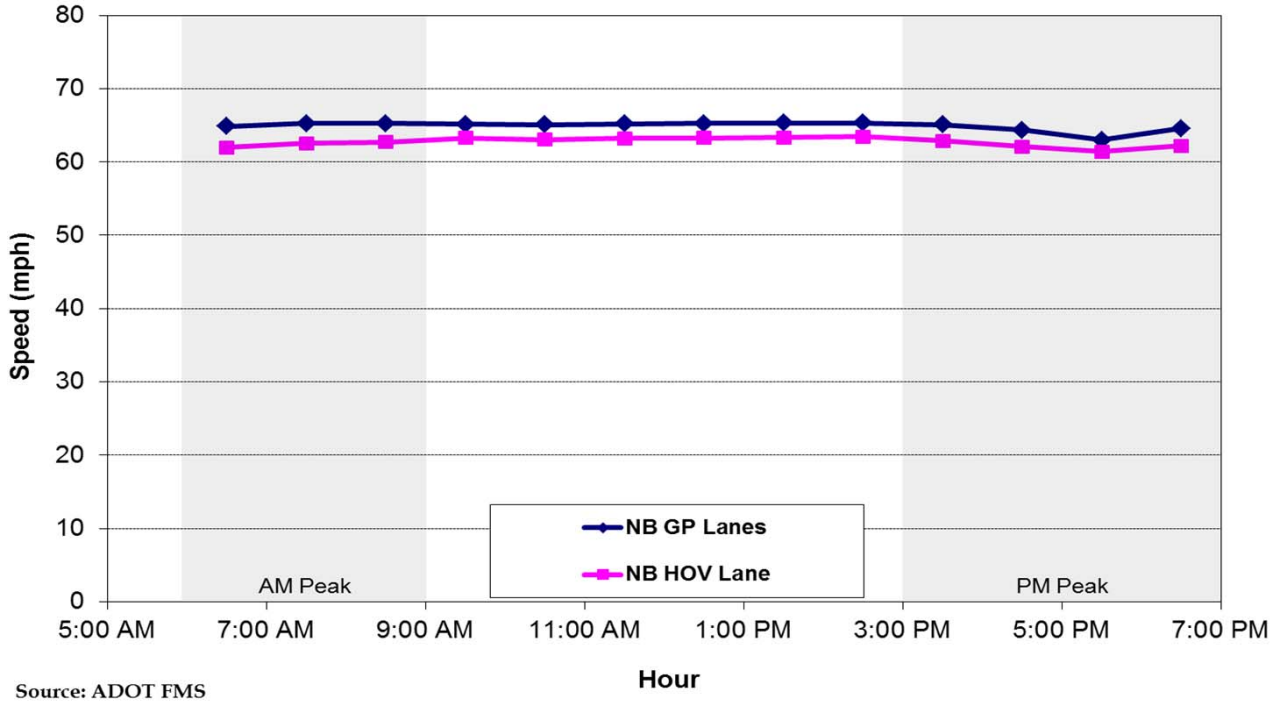
SR51 Southbound: Glendale Avenue to I-10 Papago Freeway




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor H

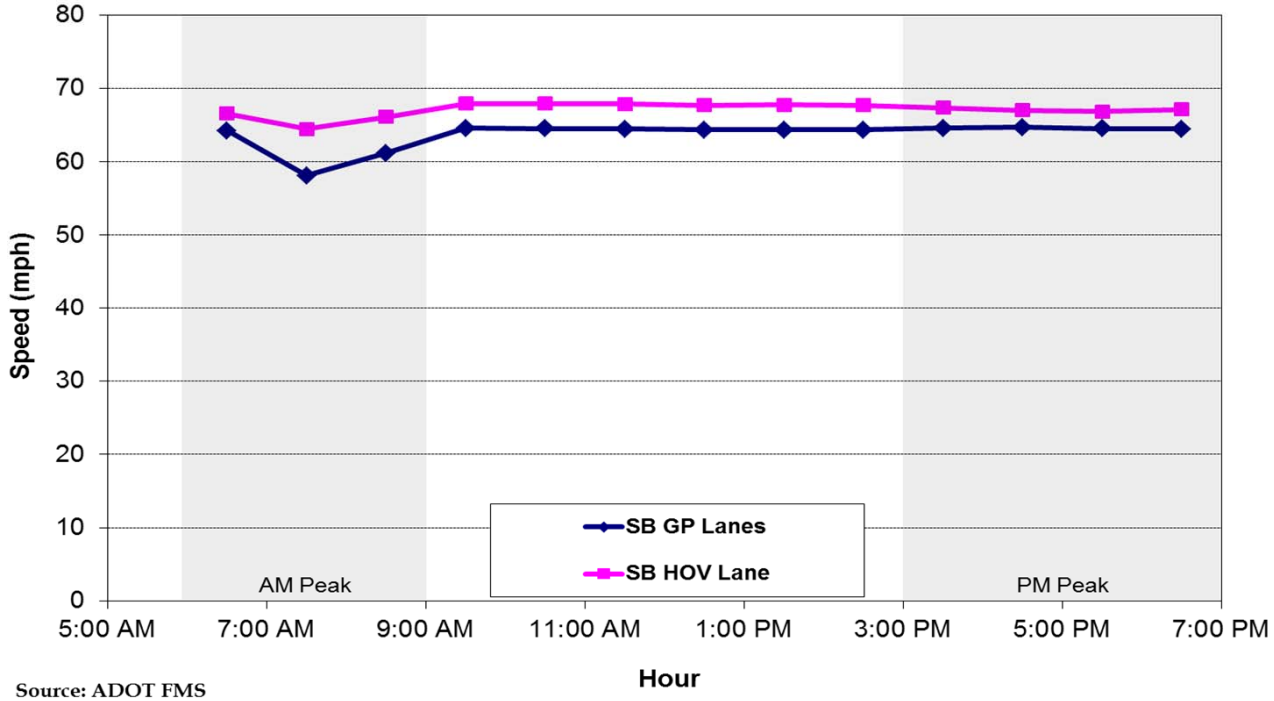
SR51 Northbound: Glendale Avenue to Bell Road




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor H

SR51 Southbound: Bell Road to Glendale Avenue



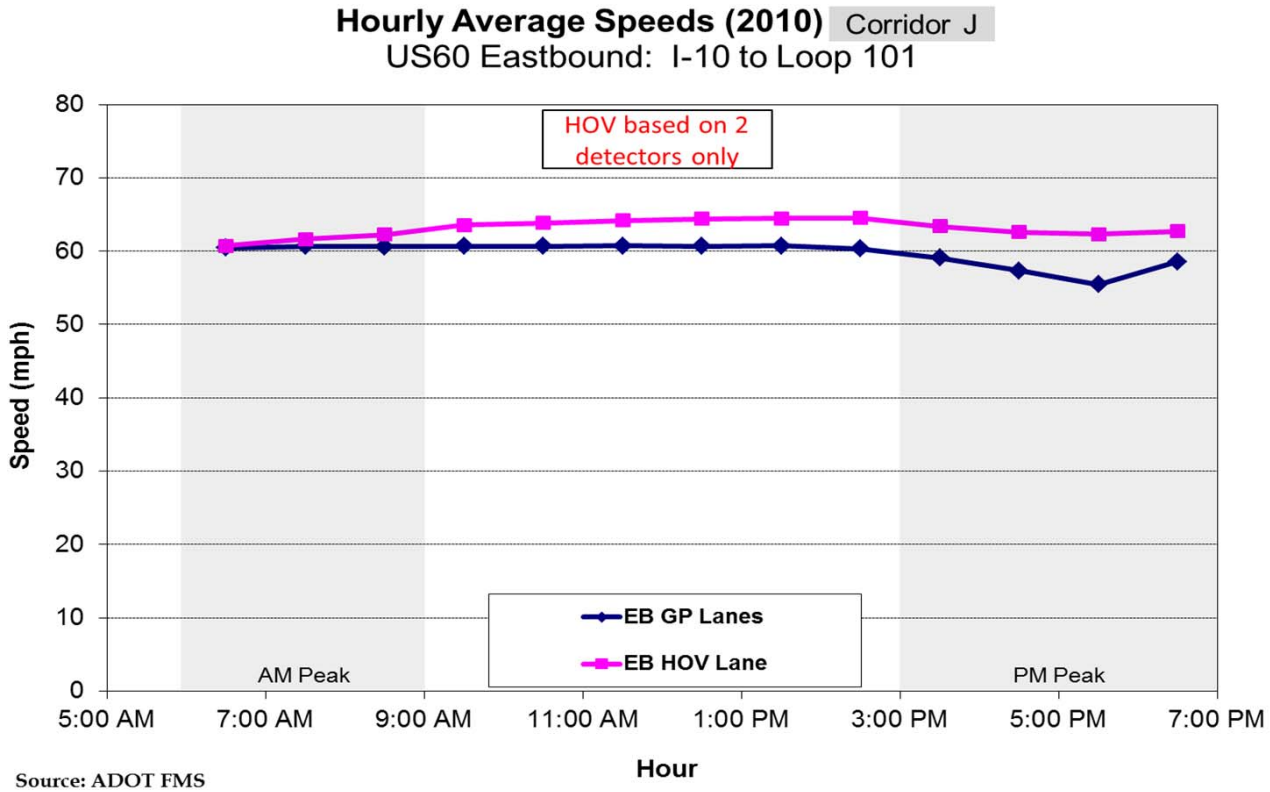

Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor I

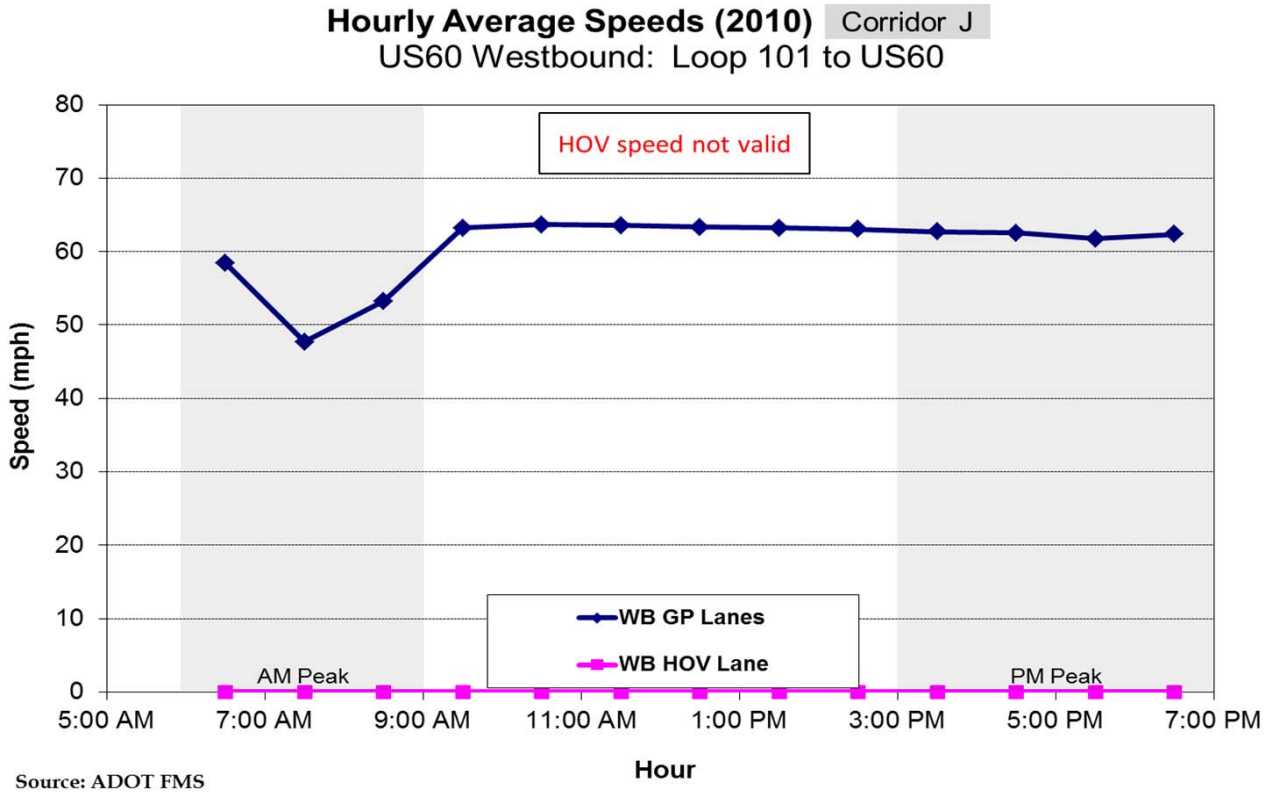
Loop 202 Eastbound: I-10/SR51 to Loop 101

**Hourly Average Speeds (2010)** Corridor_I

Loop 202 Westbound: Loop 101 to I-10/SR51



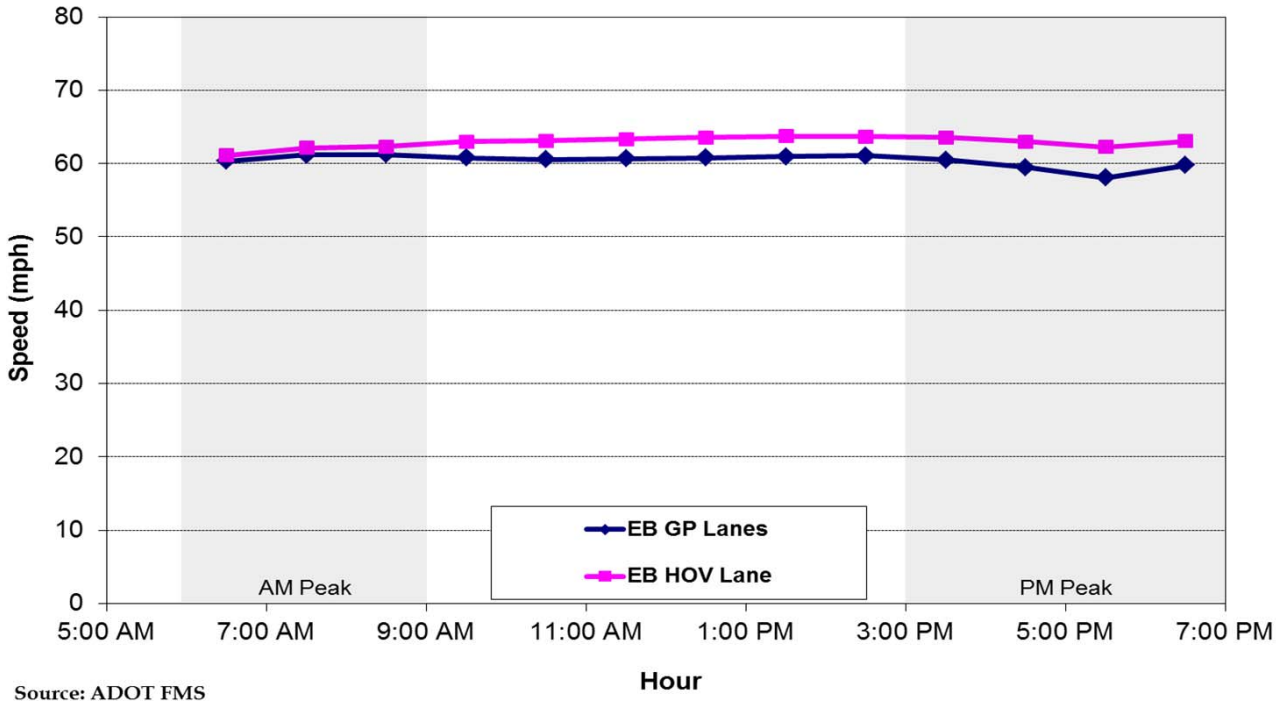

Source: ADOT FMS




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor K

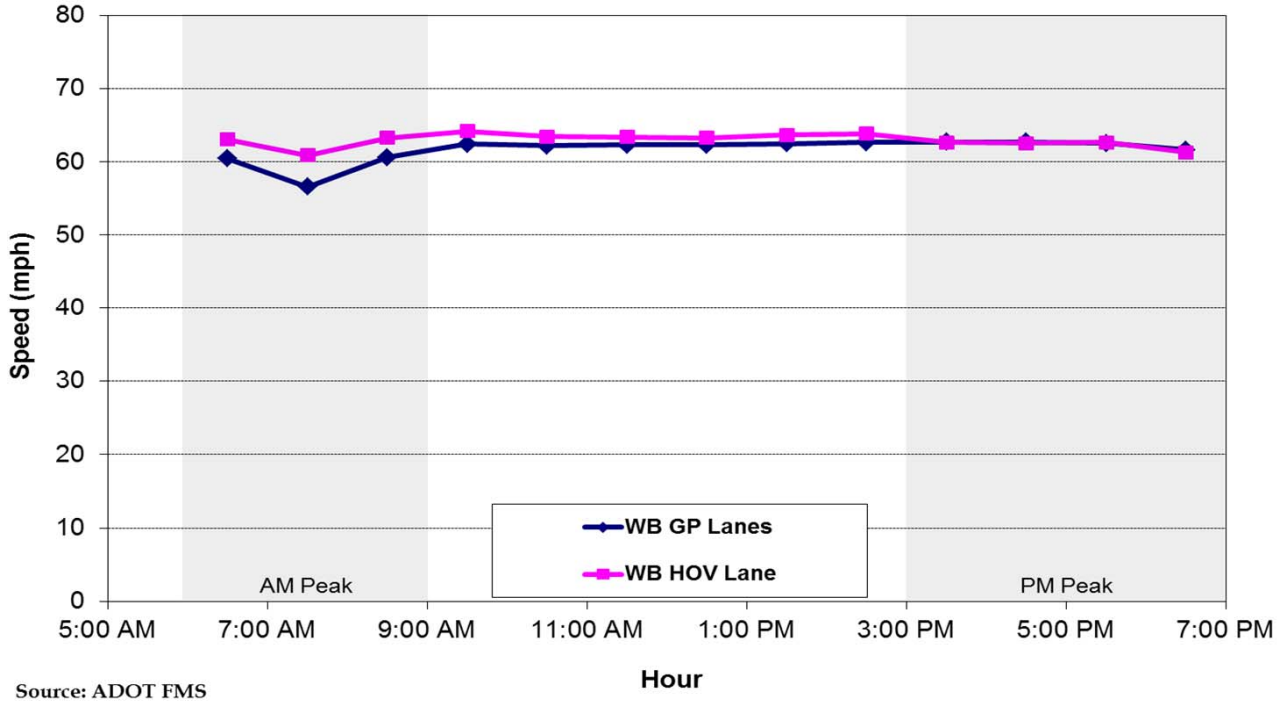
US60 Eastbound: Loop 101 to Val Vista Drive




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor K

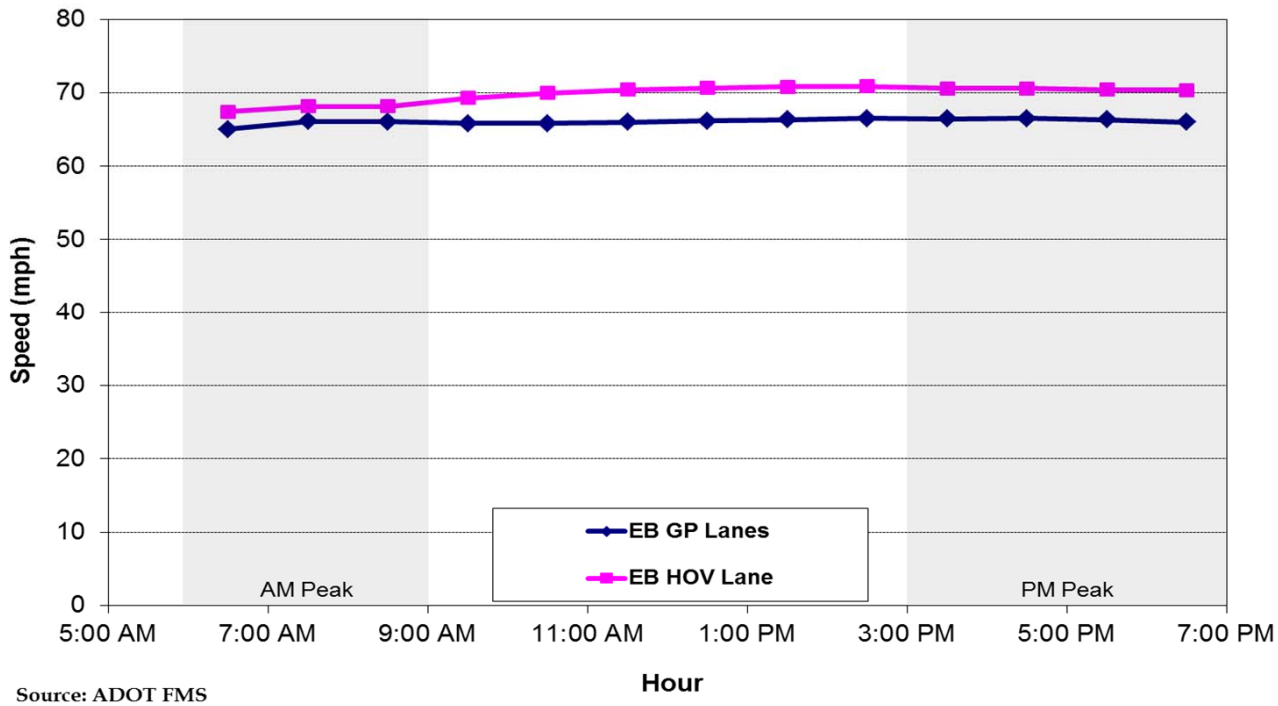
US60 Westbound: Val Vista Drive to Loop 101




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor L

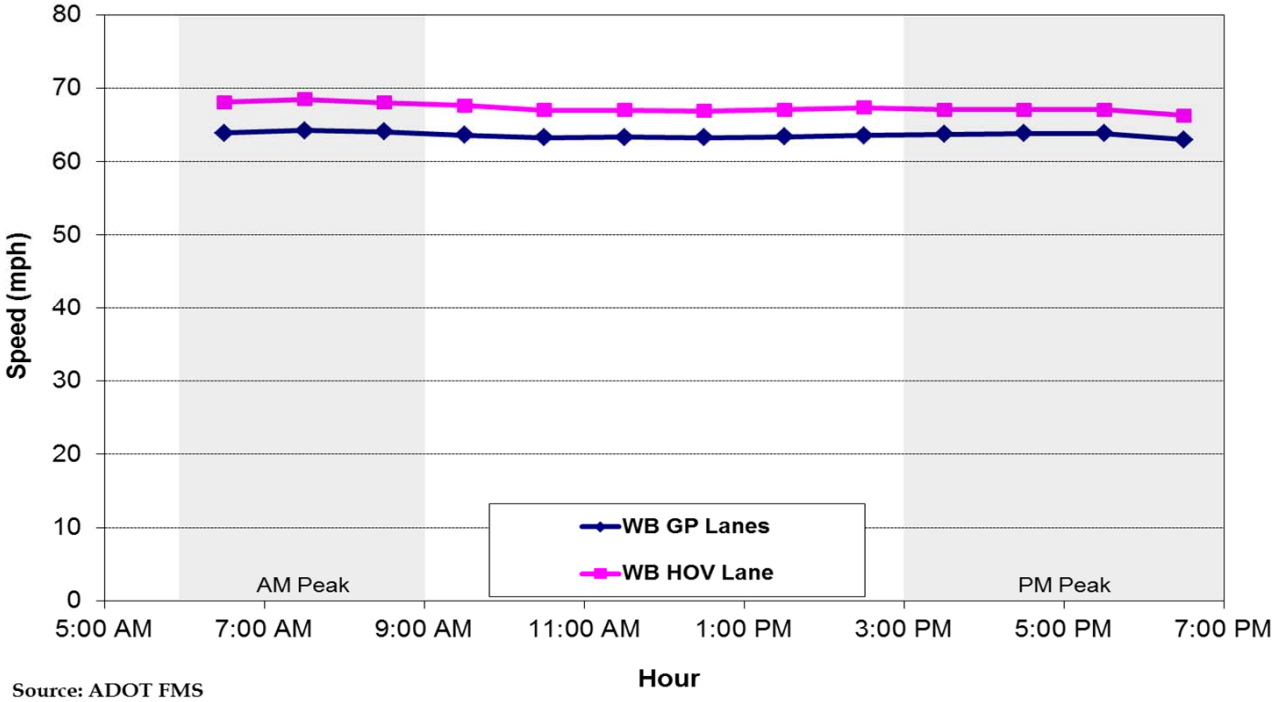
US60 Eastbound: Val Vista Drive to Loop 202 Redtan Interchange



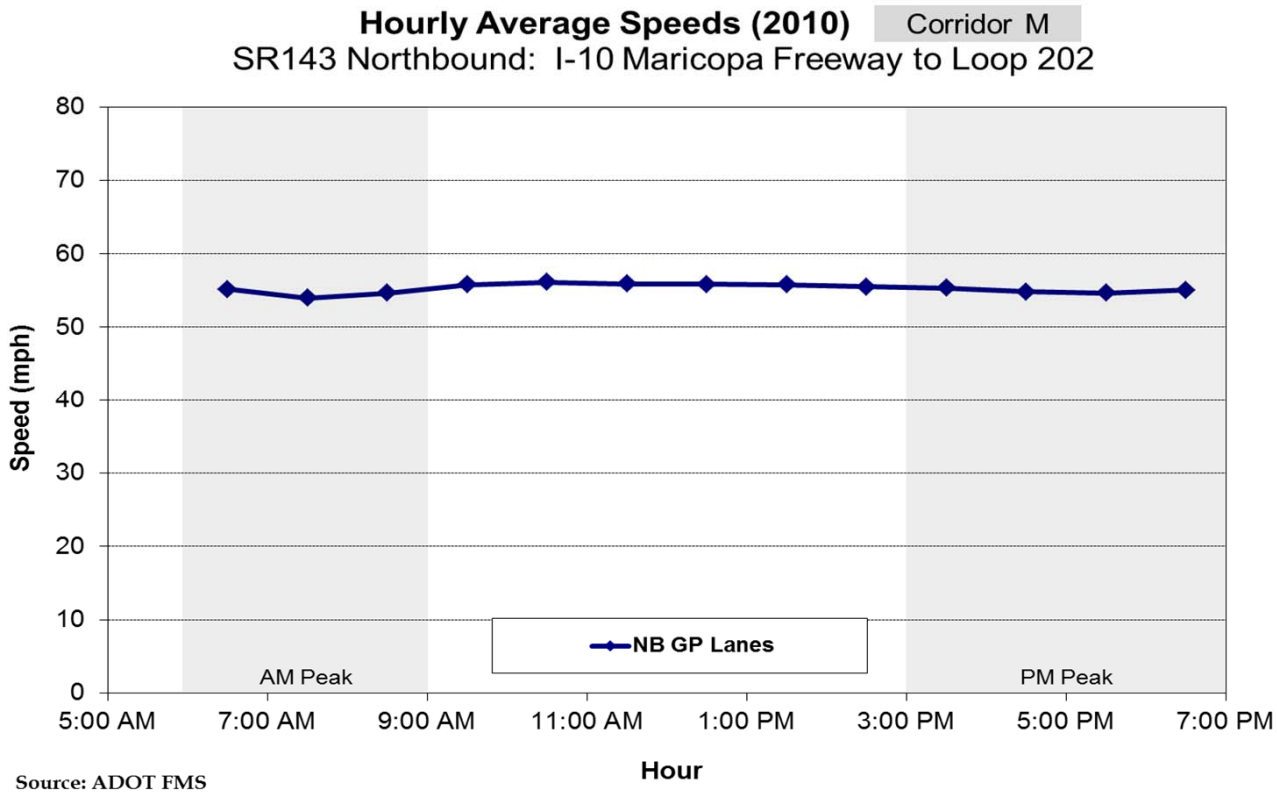

Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor L

US60 Westbound: Loop 202 Redtan Interchange to Val Vista Drive




Source: ADOT FMS

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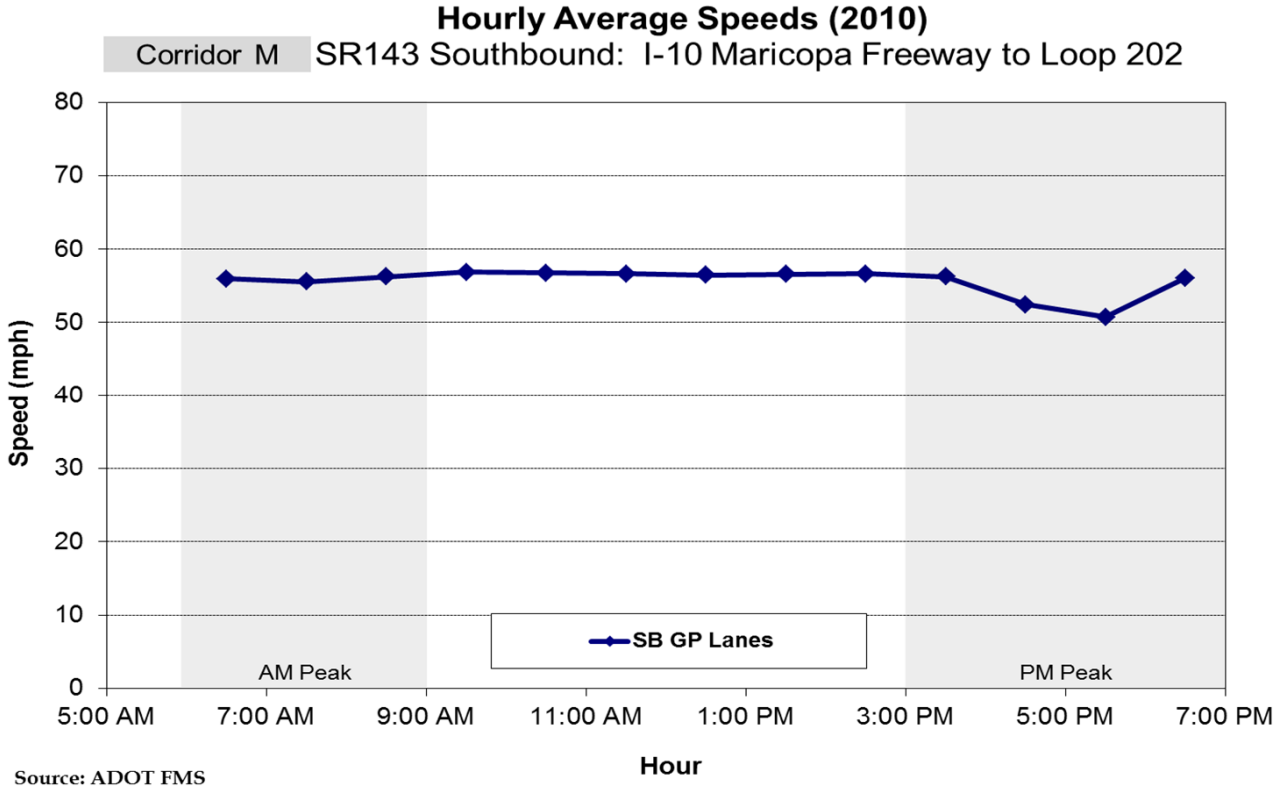



Source: ADOT FMS

## Hourly Average Speeds (2010)

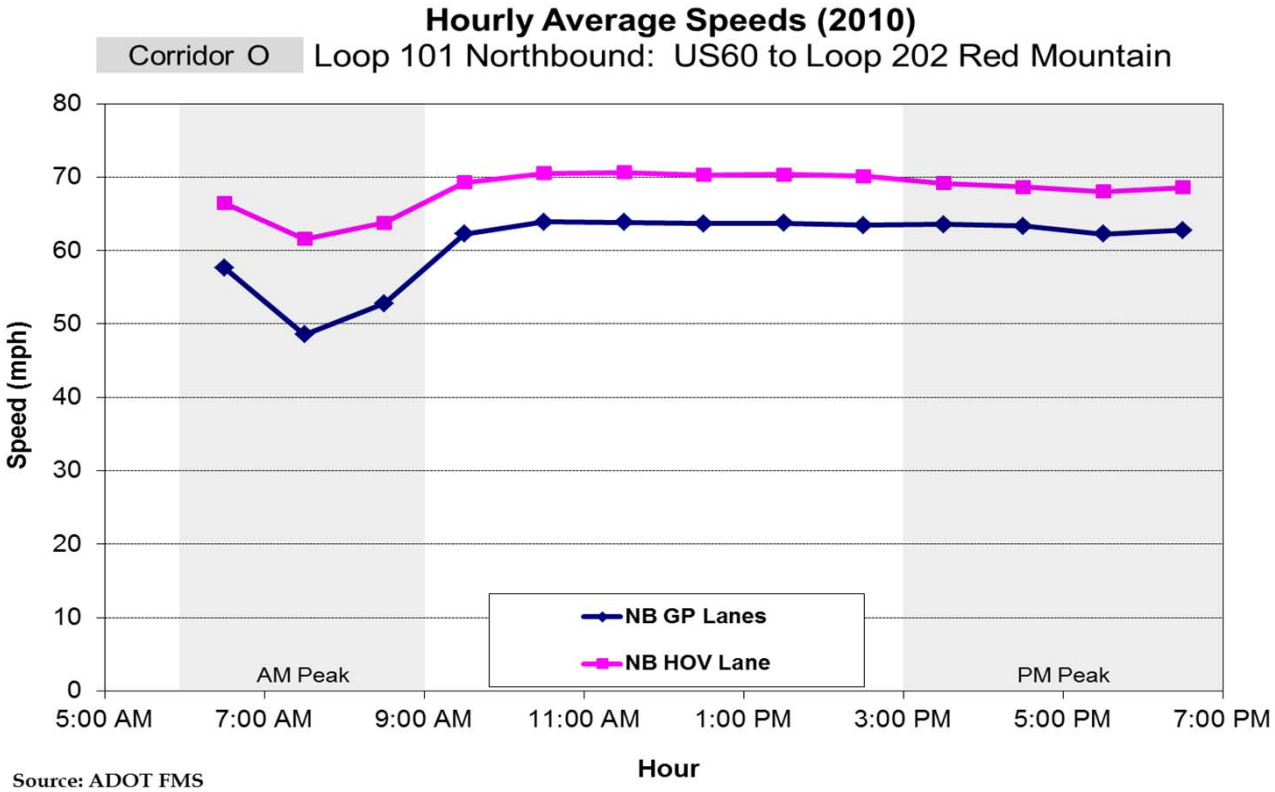
Corridor N Loop 101 Northbound: Loop 202 Santan to US60

INSUFFICIENT QUALITY OR
NOT AVAILABLE DATA

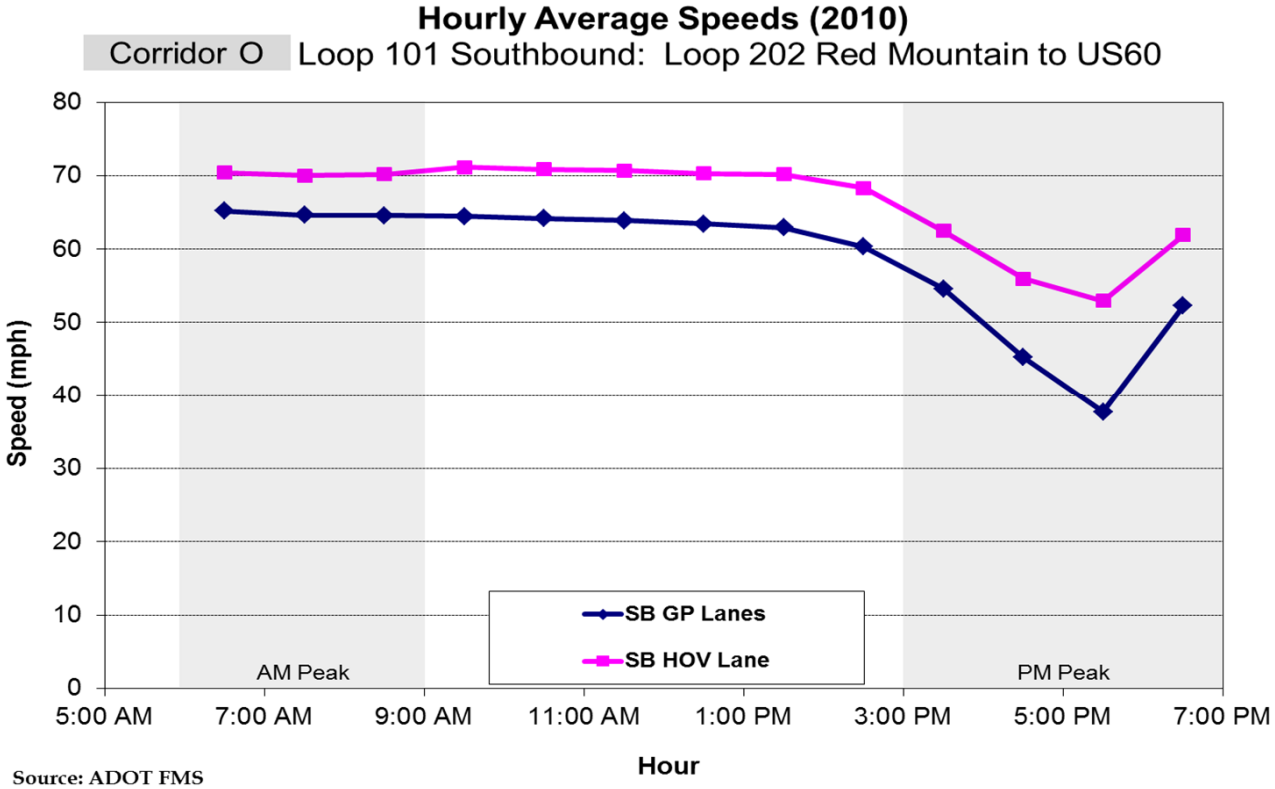
## Hourly Average Speeds (2010)

Corridor N Loop 101 Southbound: US60 to Loop 202 Santan

INSUFFICIENT QUALITY OR
NOT AVAILABLE DATA



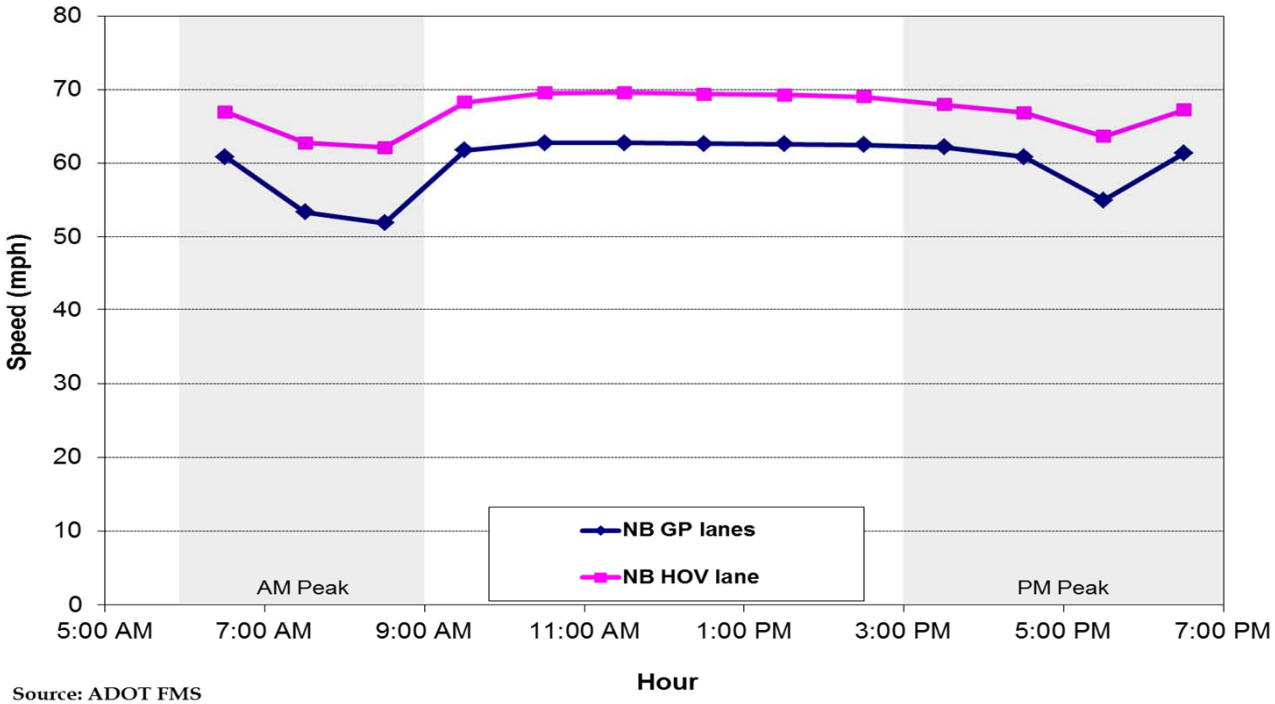

Source: ADOT FMS




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor P

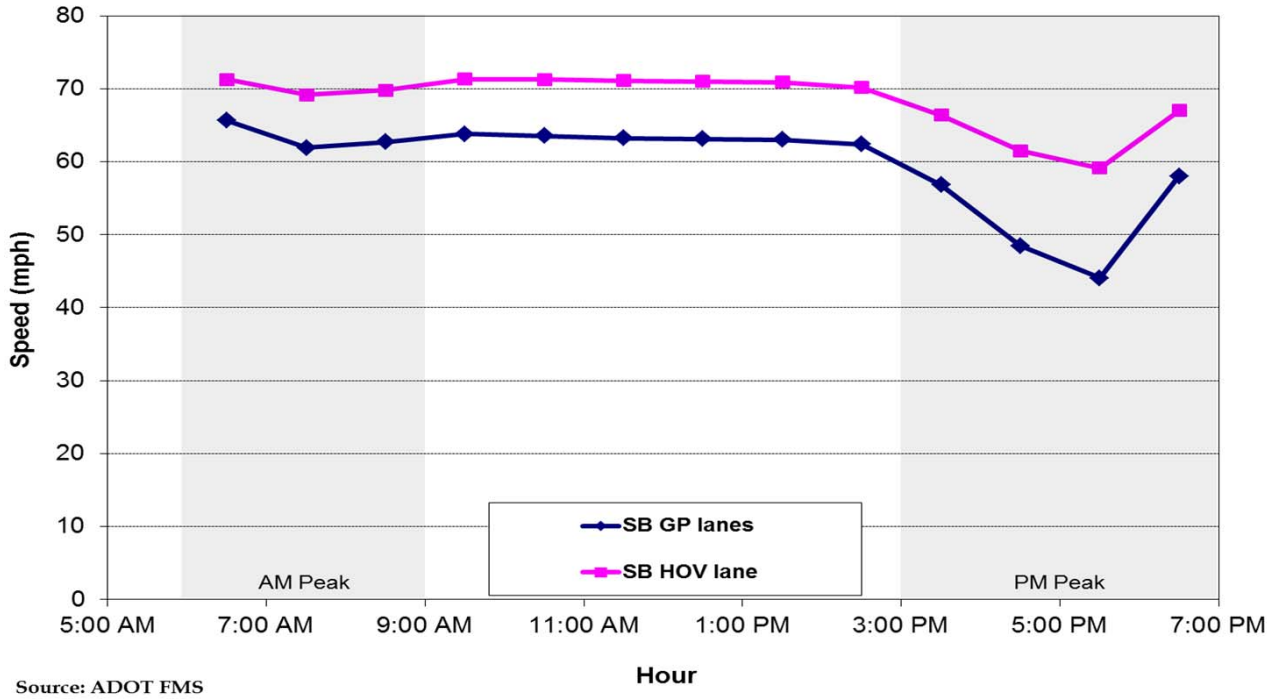
Loop 101 Northbound: Loop 202 Red Mountain to 90th Street




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor P

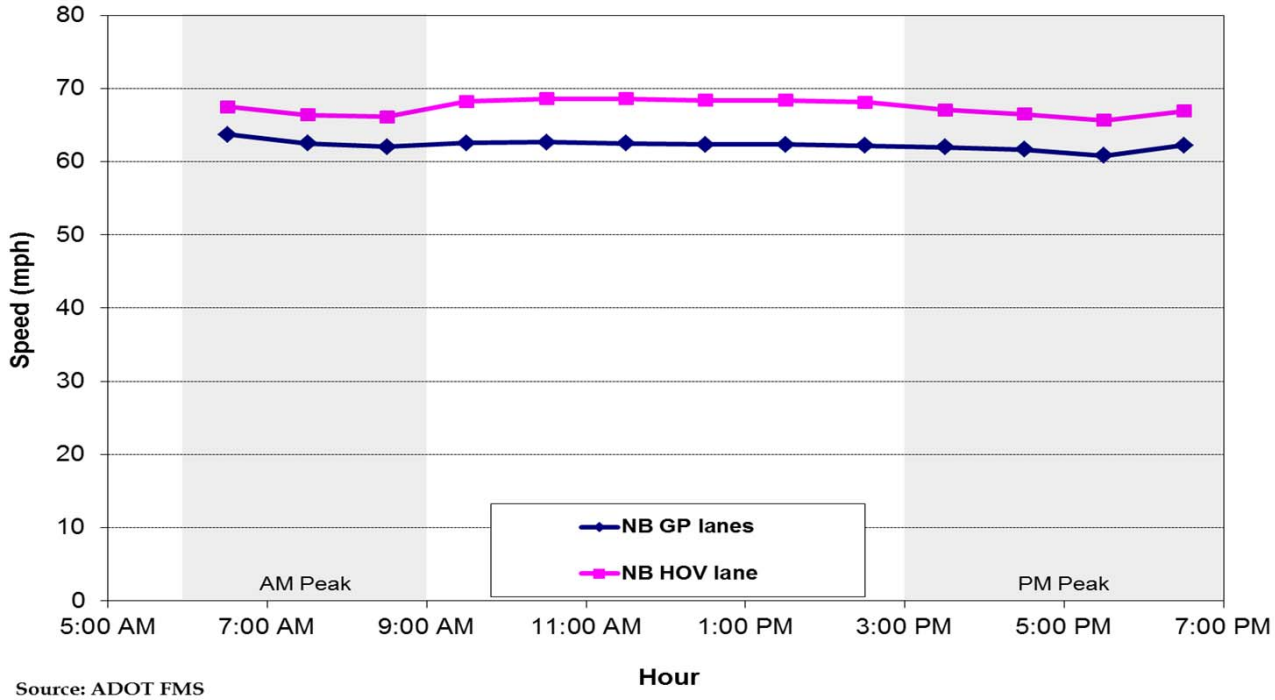
Loop 101 Southbound: 90th Street to Loop 202 Red Mountain




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor Q

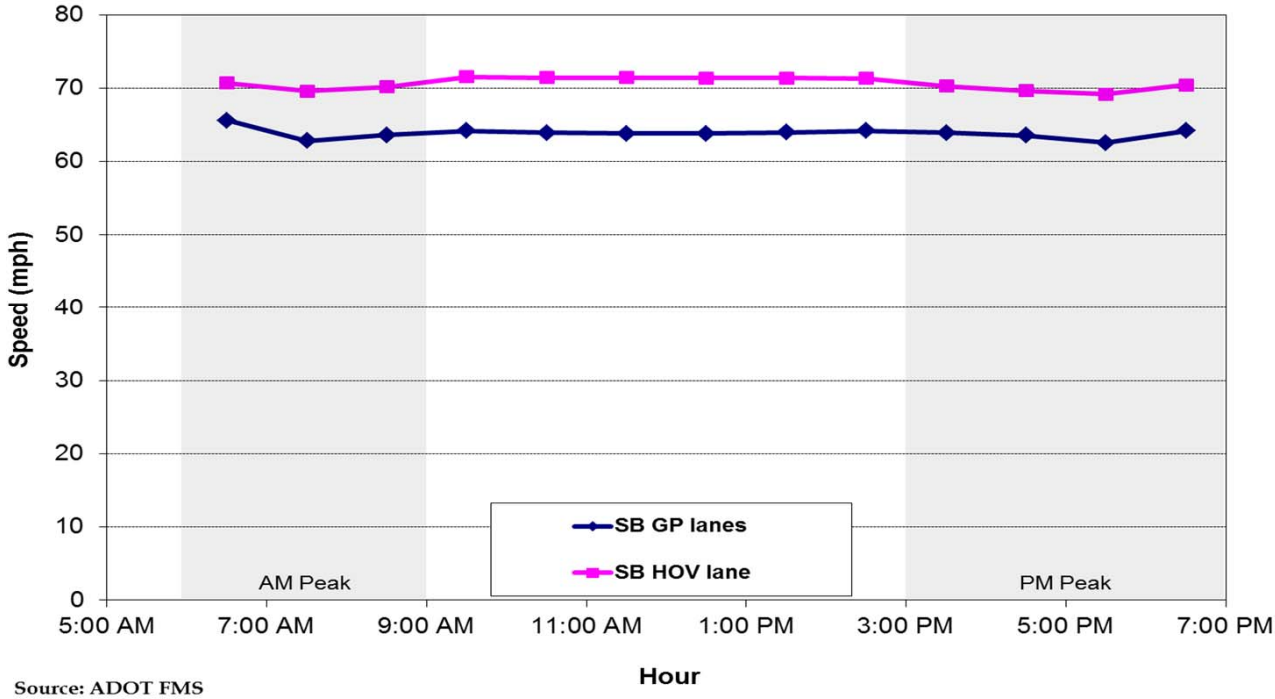
Loop 101 Northbound: 90th Street to Princess Drive




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor Q

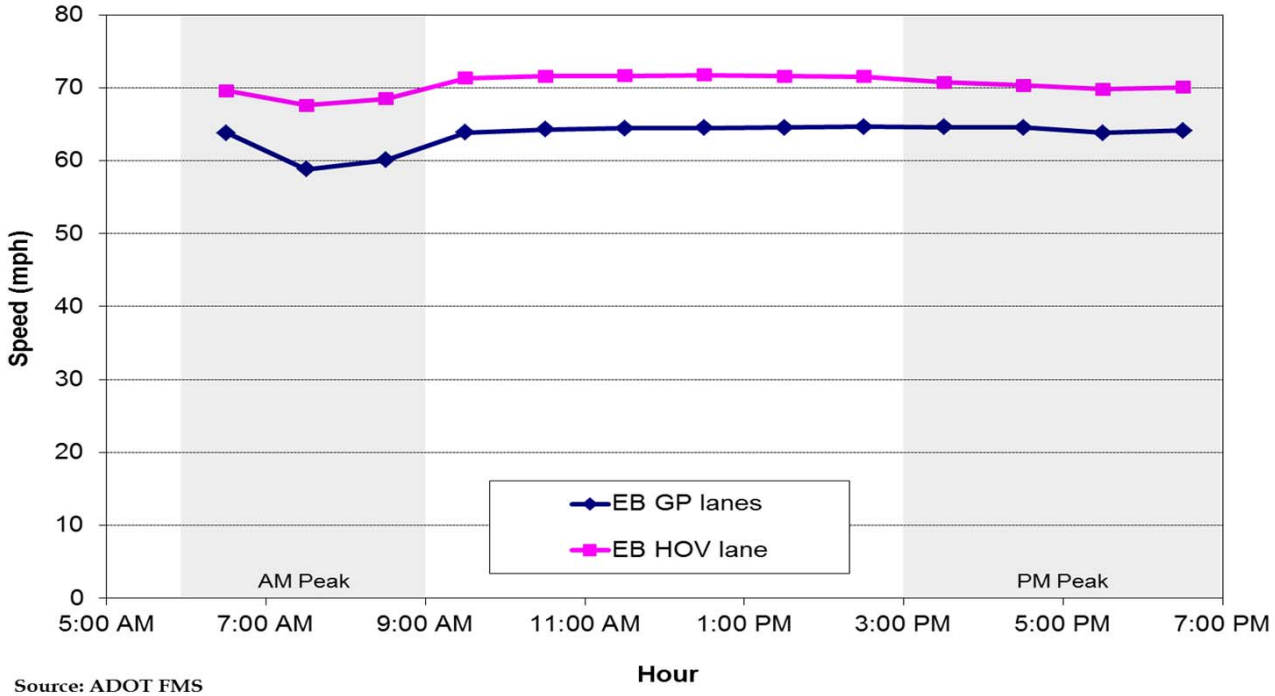
Loop 101 Southbound: Princess Drive to 90th Street




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor R

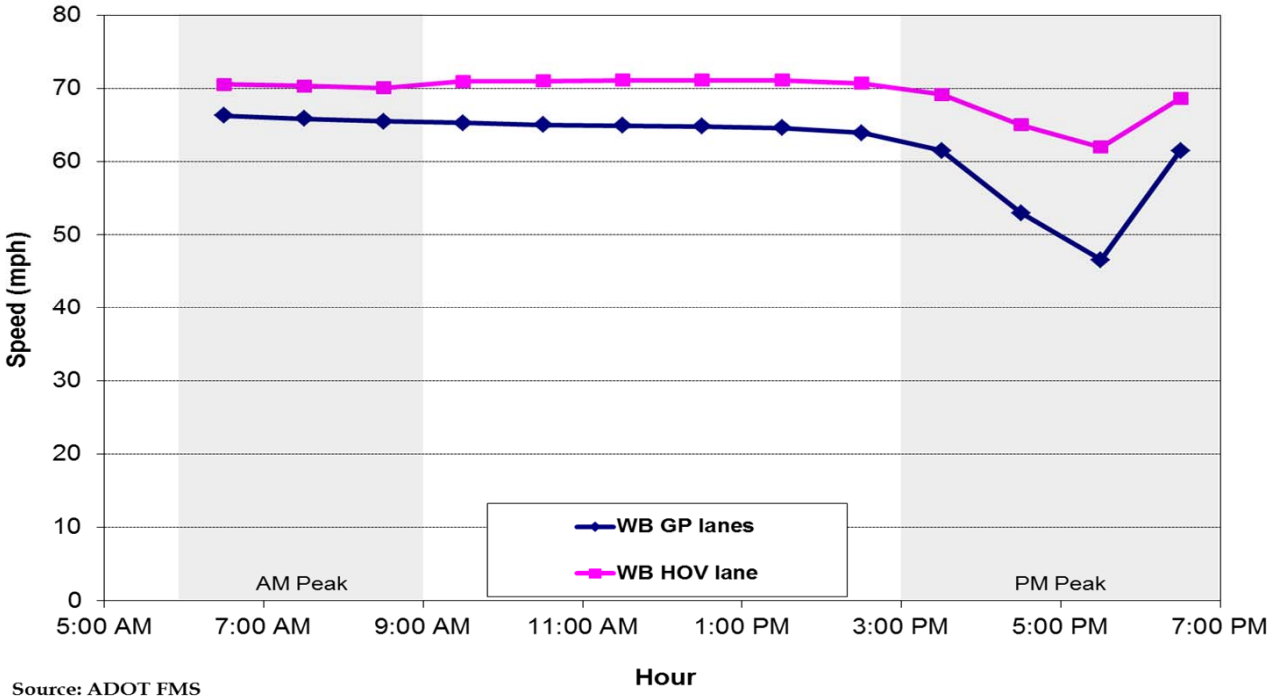
Loop 101 Eastbound: SR 51 to Pima Road




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor R

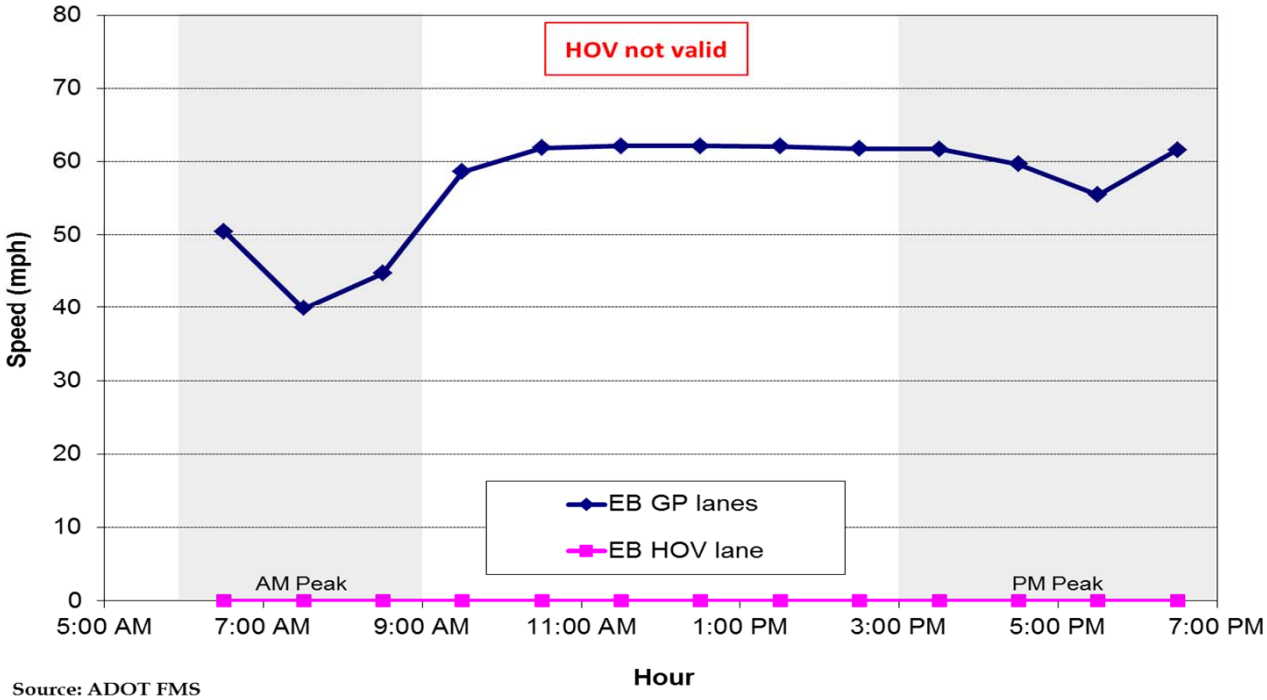
Loop 101 Westbound: Pima Road to SR 51




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor S

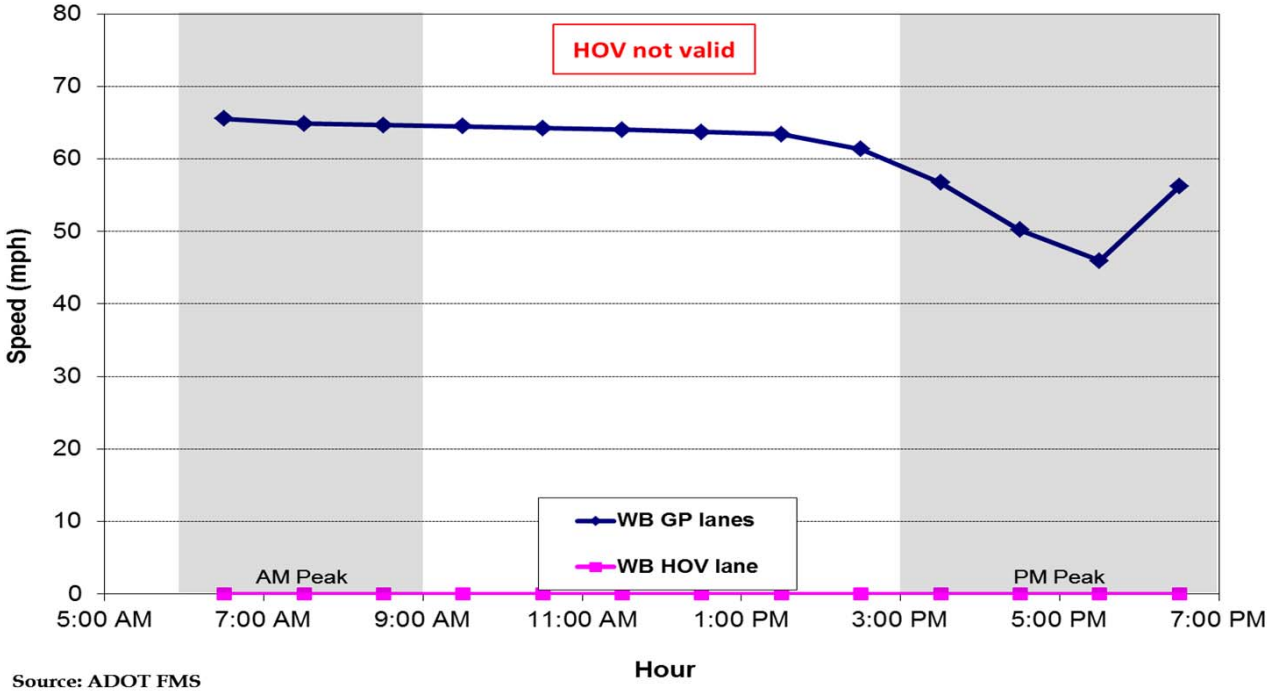
Loop 101 Eastbound: I-17 to SR 51




Source: ADOT FMS

**Hourly Average Speeds (2010)** Corridor S

Loop 101 Westbound: SR 51 to I-17




Source: ADOT FMS