

## Queues 2: Gibson & Entrance

UNM Gibson Commercial District  
2015 AM Peak Hour - Build - No Left Out at Gibson



| Lane Group              | EBL  | EBT  | WBT  | WBR  | SBR  |
|-------------------------|------|------|------|------|------|
| Lane Group Flow (vph)   | 57   | 2622 | 1236 | 48   | 75   |
| v/c Ratio               | 0.11 | 0.52 | 0.31 | 0.04 | 0.26 |
| Control Delay           | 0.6  | 0.4  | 1.3  | 0.4  | 6.5  |
| Queue Delay             | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| Total Delay             | 0.6  | 0.4  | 1.3  | 0.4  | 6.5  |
| Queue Length 50th (ft)  | 0    | 0    | 28   | 0    | 0    |
| Queue Length 95th (ft)  | 0    | 0    | 43   | 4    | 21   |
| Internal Link Dist (ft) |      | 630  | 638  |      |      |
| Turn Bay Length (ft)    | 250  |      |      | 250  |      |
| Base Capacity (vph)     | 544  | 5085 | 4044 | 1268 | 329  |
| Starvation Cap Reductn  | 0    | 0    | 0    | 0    | 0    |
| Spillback Cap Reductn   | 0    | 0    | 0    | 0    | 0    |
| Storage Cap Reductn     | 0    | 0    | 0    | 0    | 0    |
| Reduced v/c Ratio       | 0.10 | 0.52 | 0.31 | 0.04 | 0.23 |
| Intersection Summary    |      |      |      |      |      |

Queues  
3: Gibson & University

UNM Gibson Commercial District  
2015 AM Peak Hour - Build - No Left Out at Gibson

|                         |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Group Flow (vph)   | 194                                                                               | 2457                                                                              | 33                                                                                | 28                                                                                | 1181                                                                              | 140                                                                               | 67                                                                                 | 90                                                                                  | 251                                                                                 | 22                                                                                  | 137                                                                                 |
| v/c Ratio               | 0.52                                                                              | 0.73                                                                              | 0.03                                                                              | 0.14                                                                              | 0.42                                                                              | 0.12                                                                              | 0.27                                                                               | 0.46                                                                                | 0.86                                                                                | 0.12                                                                                | 0.36                                                                                |
| Control Delay           | 9.6                                                                               | 13.8                                                                              | 2.4                                                                               | 7.3                                                                               | 13.0                                                                              | 1.7                                                                               | 31.7                                                                               | 24.7                                                                                | 73.1                                                                                | 47.2                                                                                | 11.7                                                                                |
| Queue Delay             | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Delay             | 9.6                                                                               | 13.8                                                                              | 2.4                                                                               | 7.3                                                                               | 13.0                                                                              | 1.7                                                                               | 31.7                                                                               | 24.7                                                                                | 73.1                                                                                | 47.2                                                                                | 11.7                                                                                |
| Queue Length 50th (ft)  | 32                                                                                | 259                                                                               | 0                                                                                 | 4                                                                                 | 134                                                                               | 0                                                                                 | 31                                                                                 | 17                                                                                  | 76                                                                                  | 13                                                                                  | 0                                                                                   |
| Queue Length 95th (ft)  | 65                                                                                | #526                                                                              | m6                                                                                | 14                                                                                | 210                                                                               | 22                                                                                | 63                                                                                 | 61                                                                                  | #143                                                                                | m34                                                                                 | 41                                                                                  |
| Internal Link Dist (ft) |                                                                                   | 638                                                                               |                                                                                   |                                                                                   | 1234                                                                              |                                                                                   |                                                                                    | 706                                                                                 |                                                                                     | 1327                                                                                |                                                                                     |
| Turn Bay Length (ft)    | 250                                                                               |                                                                                   | 250                                                                               | 250                                                                               |                                                                                   | 250                                                                               | 250                                                                                |                                                                                     | 250                                                                                 |                                                                                     |                                                                                     |
| Base Capacity (vph)     | 422                                                                               | 3357                                                                              | 1318                                                                              | 200                                                                               | 2820                                                                              | 1127                                                                              | 245                                                                                | 344                                                                                 | 291                                                                                 | 395                                                                                 | 433                                                                                 |
| Starvation Cap Reductn  | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Spillback Cap Reductn   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Storage Cap Reductn     | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Reduced v/c Ratio       | 0.46                                                                              | 0.73                                                                              | 0.03                                                                              | 0.14                                                                              | 0.42                                                                              | 0.12                                                                              | 0.27                                                                               | 0.26                                                                                | 0.86                                                                                | 0.06                                                                                | 0.32                                                                                |

Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Queues  
5: Cesar Chavez & University

UNM Gibson Commercial District  
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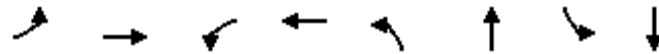
| Lane Group              | EBL  | EBT  | WBL  | WBT  | NBL  | NBT  | NBR  | SBL  | SBT  | SBR  |
|-------------------------|------|------|------|------|------|------|------|------|------|------|
| Lane Group Flow (vph)   | 491  | 667  | 70   | 455  | 63   | 250  | 53   | 73   | 259  | 83   |
| v/c Ratio               | 0.67 | 0.22 | 0.16 | 0.29 | 0.31 | 0.54 | 0.12 | 0.35 | 0.56 | 0.13 |
| Control Delay           | 4.9  | 1.4  | 9.2  | 17.6 | 28.4 | 38.3 | 9.7  | 32.1 | 41.0 | 3.2  |
| Queue Delay             | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| Total Delay             | 4.9  | 1.4  | 9.2  | 17.6 | 28.4 | 38.3 | 9.7  | 32.1 | 41.0 | 3.2  |
| Queue Length 50th (ft)  | 3    | 16   | 12   | 75   | 29   | 71   | 5    | 33   | 73   | 0    |
| Queue Length 95th (ft)  | 5    | 0    | 27   | 149  | 60   | 105  | m30  | 66   | 108  | 20   |
| Internal Link Dist (ft) | 1748 |      | 2856 |      | 2185 |      | 1002 |      |      |      |
| Turn Bay Length (ft)    | 250  |      | 250  |      | 250  |      | 250  | 250  |      | 250  |
| Base Capacity (vph)     | 889  | 3017 | 451  | 1574 | 204  | 629  | 429  | 207  | 629  | 880  |
| Starvation Cap Reductn  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Spillback Cap Reductn   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Storage Cap Reductn     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Reduced v/c Ratio       | 0.55 | 0.22 | 0.16 | 0.29 | 0.31 | 0.40 | 0.12 | 0.35 | 0.41 | 0.09 |

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Queues  
6: Cesar Chavez & Langham

UNM Gibson Commercial District  
2015 AM Peak Hour - Build - No Left Out at Gibson



| Lane Group              | EBL  | EBT  | WBL  | WBT  | NBL  | NBT  | SBL  | SBT  |
|-------------------------|------|------|------|------|------|------|------|------|
| Lane Group Flow (vph)   | 474  | 1469 | 5    | 543  | 84   | 17   | 1    | 90   |
| v/c Ratio               | 0.72 | 0.46 | 0.02 | 0.27 | 0.23 | 0.04 | 0.00 | 0.11 |
| Control Delay           | 14.8 | 9.7  | 9.5  | 15.5 | 21.0 | 9.9  | 24.0 | 0.3  |
| Queue Delay             | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| Total Delay             | 14.8 | 9.7  | 9.5  | 15.5 | 21.0 | 9.9  | 24.0 | 0.3  |
| Queue Length 50th (ft)  | 121  | 139  | 1    | 82   | 39   | 4    | 0    | 0    |
| Queue Length 95th (ft)  | 172  | 206  | m6   | 121  | 61   | 9    | 4    | 0    |
| Internal Link Dist (ft) |      | 2366 |      | 1748 |      | 3744 |      | 1165 |
| Turn Bay Length (ft)    | 250  |      | 250  |      |      |      |      |      |
| Base Capacity (vph)     | 837  | 3190 | 210  | 2041 | 370  | 400  | 329  | 826  |
| Starvation Cap Reductn  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Spillback Cap Reductn   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Storage Cap Reductn     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Reduced v/c Ratio       | 0.57 | 0.46 | 0.02 | 0.27 | 0.23 | 0.04 | 0.00 | 0.11 |

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.