

**MH Corbin Traffic Analyzer Study  
Computer Generated Summary Report  
City: Colorado Springs  
Street: Grashio N of Collins**

A study of vehicle traffic was conducted with the device having serial number 402811. The study was done in the NB lane at Grashio N of Collins in Colorado Springs, CO in El Paso county. The study began on Sep/13/2018 at 12:00:00 AM and concluded on Sep/14/2018 at 12:00:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 239 vehicles passed through the location with a peak volume of 12 on Sep/13/2018 at [16:30-16:45] and a minimum volume of 0 on Sep/13/2018 at [21:45-22:00]. The AADT count for this study was 239.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 29 MPH with 32.48% vehicles exceeding the posted speed of 25 MPH. 2.56 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 33.70 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
0	2	9	47	100	54	8	3	3	2	0	0	1	1	4					

CHART 1

**CLASSIFICATION**

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 110 which represents 47 percent of the total classified vehicles. The number of Vans & Pickups in the study was 106 which represents 45 percent of the total classified vehicles. The number of Busses & Trucks in the study was 4 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 14 which represents 6 percent of the total classified vehicles.

< to 17	18 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to 61	62 to >												
110	106	0	4	4	2	7	1												

CHART 2

**HEADWAY**

During the peak traffic period, on Sep/13/2018 at [16:30-16:45] the average headway between vehicles was 69.231 seconds. During the slowest traffic period, on Sep/13/2018 at [21:45-22:00] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

## Date/Time/Volume/Average Speed/Temperature Report

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
<div style="display: flex; justify-content: space-between; font-size: small;"> <div>                     Device ID: 402811                      Street: Grashio N of Collins                      State: CO                      City: Colorado Springs                      County: El Paso                 </div> <div>                     Begin: Sep/13/2018 12:00:00 AM                      Lane: NB                      Operator: EP                      Speed Limit: 25                      AADT Factor: 1                 </div> <div>                     End: Sep/14/2018 12:00:00 AM                      Hours: 24.00                      Period: 15                      Raw Count: 239                      AADT Count: 239                 </div> </div>				
Thu, Sep/13/2018				
[00:00-00:15]	1	22 MPH	32 F	---
[00:15-00:30]	0	0 MPH	32 F	---
[00:30-00:45]	0	0 MPH	32 F	---
[00:45-01:00]	0	0 MPH	32 F	---
[01:00-01:15]	0	0 MPH	32 F	---
[01:15-01:30]	0	0 MPH	32 F	---
[01:30-01:45]	0	0 MPH	32 F	---
[01:45-02:00]	1	32 MPH	32 F	---
[02:00-02:15]	0	0 MPH	32 F	---
[02:15-02:30]	0	0 MPH	32 F	---
[02:30-02:45]	0	0 MPH	32 F	---
[02:45-03:00]	0	0 MPH	32 F	---
[03:00-03:15]	0	0 MPH	32 F	---
[03:15-03:30]	0	0 MPH	32 F	---
[03:30-03:45]	0	0 MPH	32 F	---
[03:45-04:00]	0	0 MPH	32 F	---
[04:00-04:15]	0	0 MPH	32 F	---
[04:15-04:30]	0	0 MPH	32 F	---
[04:30-04:45]	0	0 MPH	32 F	---
[04:45-05:00]	0	0 MPH	32 F	---
[05:00-05:15]	0	0 MPH	32 F	---
[05:15-05:30]	1	28 MPH	32 F	---
[05:30-05:45]	0	0 MPH	32 F	---
[05:45-06:00]	0	0 MPH	32 F	---
[06:00-06:15]	0	0 MPH	32 F	---
[06:15-06:30]	1	32 MPH	32 F	---
[06:30-06:45]	0	0 MPH	32 F	---
[06:45-07:00]	2	30 MPH	32 F	---
[07:00-07:15]	0	0 MPH	32 F	---
[07:15-07:30]	1	28 MPH	32 F	---
[07:30-07:45]	1	22 MPH	32 F	---
[07:45-08:00]	0	0 MPH	32 F	---
[08:00-08:15]	1	32 MPH	32 F	---
[08:15-08:30]	2	25 MPH	32 F	---
[08:30-08:45]	1	75 MPH	32 F	---
[08:45-09:00]	0	0 MPH	32 F	---

## Date/Time/Volume/Average Speed/Temperature Report

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
<div style="display: flex; justify-content: space-between; font-size: small;"> <div>                     Device ID: 402811                      Street: Grashio N of Collins                      State: CO                      City: Colorado Springs                      County: El Paso                 </div> <div>                     Begin: Sep/13/2018 12:00:00 AM                      Lane: NB                      Operator: EP                      Speed Limit: 25                      AADT Factor: 1                 </div> <div>                     End: Sep/14/2018 12:00:00 AM                      Hours: 24.00                      Period: 15                      Raw Count: 239                      AADT Count: 239                 </div> </div>				
Thu, Sep/13/2018				
[09:00-09:15]	0	0 MPH	32 F	---
[09:15-09:30]	1	28 MPH	32 F	---
[09:30-09:45]	0	0 MPH	32 F	---
[09:45-10:00]	3	31 MPH	32 F	---
[10:00-10:15]	3	31 MPH	32 F	---
[10:15-10:30]	6	36 MPH	32 F	---
[10:30-10:45]	4	30 MPH	32 F	---
[10:45-11:00]	1	18 MPH	32 F	---
[11:00-11:15]	4	28 MPH	32 F	---
[11:15-11:30]	5	34 MPH	32 F	---
[11:30-11:45]	8	30 MPH	32 F	---
[11:45-12:00]	2	28 MPH	32 F	---
[12:00-12:15]	6	31 MPH	32 F	---
[12:15-12:30]	3	27 MPH	32 F	---
[12:30-12:45]	1	28 MPH	32 F	---
[12:45-13:00]	1	28 MPH	32 F	---
[13:00-13:15]	4	25 MPH	32 F	---
[13:15-13:30]	3	41 MPH	32 F	---
[13:30-13:45]	2	23 MPH	32 F	---
[13:45-14:00]	5	30 MPH	32 F	---
[14:00-14:15]	4	27 MPH	32 F	---
[14:15-14:30]	7	27 MPH	32 F	---
[14:30-14:45]	5	26 MPH	32 F	---
[14:45-15:00]	6	28 MPH	32 F	---
[15:00-15:15]	4	28 MPH	32 F	---
[15:15-15:30]	4	30 MPH	32 F	---
[15:30-15:45]	6	32 MPH	32 F	---
[15:45-16:00]	6	28 MPH	32 F	---
[16:00-16:15]	8	24 MPH	32 F	---
[16:15-16:30]	5	28 MPH	32 F	---
[16:30-16:45]	12	28 MPH	32 F	---
[16:45-17:00]	6	37 MPH	32 F	---
[17:00-17:15]	7	27 MPH	32 F	---
[17:15-17:30]	4	24 MPH	32 F	---
[17:30-17:45]	5	28 MPH	32 F	---
[17:45-18:00]	9	29 MPH	32 F	---

## Date/Time/Volume/Average Speed/Temperature Report

Device ID: 402811 Street: Grashio N of Collins State: CO City: Colorado Springs County: El Paso	Begin: Sep/13/2018 12:00:00 AM Lane: NB Operator: EP Speed Limit: 25 AADT Factor: 1	End: Sep/14/2018 12:00:00 AM Hours: 24.00 Period: 15 Raw Count: 239 AADT Count: 239
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry						
Thu, Sep/13/2018										
[18:00-18:15]	7	27 MPH	32 F	---						
[18:15-18:30]	5	29 MPH	32 F	---						
[18:30-18:45]	6	26 MPH	32 F	---						
[18:45-19:00]	5	28 MPH	32 F	---						
[19:00-19:15]	5	24 MPH	32 F	---						
[19:15-19:30]	6	26 MPH	32 F	---						
[19:30-19:45]	3	37 MPH	32 F	---						
[19:45-20:00]	5	29 MPH	32 F	---						
[20:00-20:15]	4	32 MPH	32 F	---						
[20:15-20:30]	3	33 MPH	32 F	---						
[20:30-20:45]	5	36 MPH	32 F	---						
[20:45-21:00]	3	28 MPH	32 F	---						
[21:00-21:15]	3	25 MPH	32 F	---						
[21:15-21:30]	3	48 MPH	32 F	---						
[21:30-21:45]	2	35 MPH	32 F	---						
[21:45-22:00]	0	0 MPH	32 F	---						
[22:00-22:15]	0	0 MPH	32 F	---						
[22:15-22:30]	0	0 MPH	32 F	---						
[22:30-22:45]	0	0 MPH	32 F	---						
[22:45-23:00]	1	22 MPH	32 F	---						
[23:00-23:15]	0	0 MPH	32 F	---						
[23:15-23:30]	0	0 MPH	32 F	---						
[23:30-23:45]	1	38 MPH	32 F	---						
[23:45-00:00]	0	0 MPH	32 F	---						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Sep/13/2018 12:00:00 AM</td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> <tr> <td>Sep/14/2018 12:00:00 AM</td> <td style="text-align: center;">239</td> <td style="text-align: center;">29 MPH 32 F</td> </tr> </table>					Sep/13/2018 12:00:00 AM			Sep/14/2018 12:00:00 AM	239	29 MPH 32 F
Sep/13/2018 12:00:00 AM										
Sep/14/2018 12:00:00 AM	239	29 MPH 32 F								

**MH Corbin Traffic Analyzer Study  
Computer Generated Summary Report  
City: Colorado Springs  
Street: Grashio N of Collins**

A study of vehicle traffic was conducted with the device having serial number 402349. The study was done in the SB lane at Grashio N of Collins in Colorado Springs, CO in El Paso county. The study began on Sep/13/2018 at 12:00:00 AM and concluded on Sep/14/2018 at 12:00:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 213 vehicles passed through the location with a peak volume of 7 on Sep/13/2018 at [14:30-14:45] and a minimum volume of 0 on Sep/13/2018 at [17:00-17:15]. The AADT count for this study was 213.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 30 - 35 MPH range or lower. The average speed for all classified vehicles was 33 MPH with 66.67% vehicles exceeding the posted speed of 25 MPH. 1.45 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 38.75 MPH.

< to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >					
0	4	6	17	42	70	48	11	4	2	0	0	0	1	2					

CHART 1

**CLASSIFICATION**

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Vans & Pickups. The number of Passenger Vehicles in the study was 74 which represents 36 percent of the total classified vehicles. The number of Vans & Pickups in the study was 116 which represents 56 percent of the total classified vehicles. The number of Busses & Trucks in the study was 7 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 10 which represents 5 percent of the total classified vehicles.

< to 17	18 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to 61	62 to >												
74	116	4	3	4	4	2	0												

CHART 2

**HEADWAY**

During the peak traffic period, on Sep/13/2018 at [14:30-14:45] the average headway between vehicles was 112.5 seconds. During the slowest traffic period, on Sep/13/2018 at [17:00-17:15] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.

## Date/Time/Volume/Average Speed/Temperature Report

Device ID: 402349 Street: Grashio N of Collins State: CO City: Colorado Springs County: El Paso	Begin: Sep/13/2018 12:00:00 AM Lane: SB Operator: EP Speed Limit: 25 AADT Factor: 1	End: Sep/14/2018 12:00:00 AM Hours: 24.00 Period: 15 Raw Count: 213 AADT Count: 213		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu, Sep/13/2018

[00:00-00:15]	0	0 MPH	32 F	---
[00:15-00:30]	0	0 MPH	32 F	---
[00:30-00:45]	0	0 MPH	32 F	---
[00:45-01:00]	0	0 MPH	32 F	---
[01:00-01:15]	0	0 MPH	32 F	---
[01:15-01:30]	0	0 MPH	32 F	---
[01:30-01:45]	0	0 MPH	32 F	---
[01:45-02:00]	0	0 MPH	32 F	---
[02:00-02:15]	0	0 MPH	32 F	---
[02:15-02:30]	0	0 MPH	32 F	---
[02:30-02:45]	0	0 MPH	32 F	---
[02:45-03:00]	0	0 MPH	32 F	---
[03:00-03:15]	0	0 MPH	32 F	---
[03:15-03:30]	0	0 MPH	32 F	---
[03:30-03:45]	0	0 MPH	32 F	---
[03:45-04:00]	0	0 MPH	32 F	---
[04:00-04:15]	0	0 MPH	32 F	---
[04:15-04:30]	0	0 MPH	32 F	---
[04:30-04:45]	0	0 MPH	32 F	---
[04:45-05:00]	1	42 MPH	32 F	---
[05:00-05:15]	0	0 MPH	32 F	---
[05:15-05:30]	0	0 MPH	32 F	---
[05:30-05:45]	1	0 MPH	32 F	---
[05:45-06:00]	1	38 MPH	32 F	---
[06:00-06:15]	1	32 MPH	32 F	---
[06:15-06:30]	2	33 MPH	32 F	---
[06:30-06:45]	6	33 MPH	32 F	---
[06:45-07:00]	3	26 MPH	32 F	---
[07:00-07:15]	2	30 MPH	32 F	---
[07:15-07:30]	2	33 MPH	32 F	---
[07:30-07:45]	6	33 MPH	32 F	---
[07:45-08:00]	4	29 MPH	32 F	---
[08:00-08:15]	1	32 MPH	32 F	---
[08:15-08:30]	2	35 MPH	32 F	---
[08:30-08:45]	5	34 MPH	32 F	---
[08:45-09:00]	7	34 MPH	32 F	---

## Date/Time/Volume/Average Speed/Temperature Report

Device ID: 402349 Street: Grashio N of Collins State: CO City: Colorado Springs County: El Paso	Begin: Sep/13/2018 12:00:00 AM Lane: SB Operator: EP Speed Limit: 25 AADT Factor: 1	End: Sep/14/2018 12:00:00 AM Hours: 24.00 Period: 15 Raw Count: 213 AADT Count: 213		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Thu, Sep/13/2018

[09:00-09:15]	3	29 MPH	32 F	---
[09:15-09:30]	3	29 MPH	32 F	---
[09:30-09:45]	4	34 MPH	32 F	---
[09:45-10:00]	3	37 MPH	32 F	---
[10:00-10:15]	2	30 MPH	32 F	---
[10:15-10:30]	3	31 MPH	32 F	---
[10:30-10:45]	2	35 MPH	32 F	---
[10:45-11:00]	3	33 MPH	32 F	---
[11:00-11:15]	6	32 MPH	32 F	---
[11:15-11:30]	2	30 MPH	32 F	---
[11:30-11:45]	4	34 MPH	32 F	---
[11:45-12:00]	4	34 MPH	32 F	---
[12:00-12:15]	2	35 MPH	32 F	---
[12:15-12:30]	6	30 MPH	32 F	---
[12:30-12:45]	2	38 MPH	32 F	---
[12:45-13:00]	5	33 MPH	32 F	---
[13:00-13:15]	3	33 MPH	32 F	---
[13:15-13:30]	4	33 MPH	32 F	---
[13:30-13:45]	4	31 MPH	32 F	---
[13:45-14:00]	4	33 MPH	32 F	---
[14:00-14:15]	3	39 MPH	32 F	---
[14:15-14:30]	4	36 MPH	32 F	---
[14:30-14:45]	7	28 MPH	32 F	---
[14:45-15:00]	1	38 MPH	32 F	---
[15:00-15:15]	6	30 MPH	32 F	---
[15:15-15:30]	3	48 MPH	32 F	---
[15:30-15:45]	2	38 MPH	32 F	---
[15:45-16:00]	2	57 MPH	32 F	---
[16:00-16:15]	4	34 MPH	32 F	---
[16:15-16:30]	3	46 MPH	32 F	---
[16:30-16:45]	7	28 MPH	32 F	---
[16:45-17:00]	3	37 MPH	32 F	---
[17:00-17:15]	0	0 MPH	32 F	---
[17:15-17:30]	3	26 MPH	32 F	---
[17:30-17:45]	4	27 MPH	32 F	---
[17:45-18:00]	5	35 MPH	32 F	---

## Date/Time/Volume/Average Speed/Temperature Report

Device ID: 402349 Street: Grashio N of Collins State: CO City: Colorado Springs County: El Paso		Begin: Sep/13/2018 12:00:00 AM Lane: SB Operator: EP Speed Limit: 25 AADT Factor: 1		End: Sep/14/2018 12:00:00 AM Hours: 24.00 Period: 15 Raw Count: 213 AADT Count: 213	
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry	
Thu, Sep/13/2018					
[18:00-18:15]	1	38 MPH	32 F	---	
[18:15-18:30]	4	33 MPH	32 F	---	
[18:30-18:45]	4	33 MPH	32 F	---	
[18:45-19:00]	5	34 MPH	32 F	---	
[19:00-19:15]	3	24 MPH	32 F	---	
[19:15-19:30]	4	30 MPH	32 F	---	
[19:30-19:45]	6	27 MPH	32 F	---	
[19:45-20:00]	1	28 MPH	32 F	---	
[20:00-20:15]	2	28 MPH	32 F	---	
[20:15-20:30]	3	34 MPH	32 F	---	
[20:30-20:45]	2	37 MPH	32 F	---	
[20:45-21:00]	1	28 MPH	32 F	---	
[21:00-21:15]	2	27 MPH	32 F	---	
[21:15-21:30]	0	0 MPH	32 F	---	
[21:30-21:45]	0	0 MPH	32 F	---	
[21:45-22:00]	2	30 MPH	32 F	---	
[22:00-22:15]	1	22 MPH	32 F	---	
[22:15-22:30]	1	32 MPH	32 F	---	
[22:30-22:45]	0	0 MPH	32 F	---	
[22:45-23:00]	1	38 MPH	32 F	---	
[23:00-23:15]	0	0 MPH	32 F	---	
[23:15-23:30]	0	0 MPH	32 F	---	
[23:30-23:45]	0	0 MPH	32 F	---	
[23:45-00:00]	0	0 MPH	32 F	---	
Sep/13/2018 12:00:00 AM Sep/14/2018 12:00:00 AM		213	33 MPH	32 F	