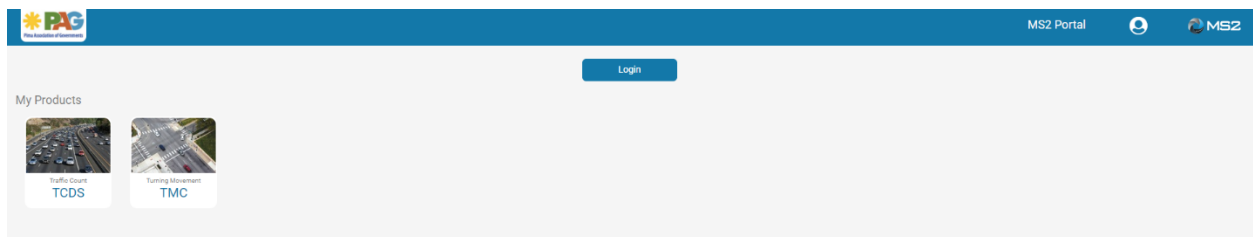


Pima Association of Governments Interactive Traffic Count Map User's Guide

Revised:1/14/2022

Website Access:

<http://pag.ms2soft.com> will take you to the MS2 data directory page. PAG currently makes use of the Traffic Count Database System (TCDS), and the Turning Movement Counts (TMC) modules. Clicking either option will take you to each respective [module, explained in greater detail in the following sections.](#)



Data on state facilities is available at <http://adot.ms2soft.com>, or all data within Arizona can be found at <http://adot-all.ms2soft.com>.



Traffic Count Database System (TCDS) module

The TCDS module contains segment counts on non-ADOT facilities within Pima County. Currently, three agencies, PAG, ADOT, and the Pima County Department of Transportation (PCDOT), contribute traffic counts to this module. ADOT locations can be identified by a three-character prefix on the count location (e.g. TUC, SAH, MAR, ORV, STC) followed by a five-digit location ID, PCDOT locations can be identified by a "PC" prefix (e.g. PCS, PC, PCX), while the remainder are collected and managed by PAG.

PAG segment counts are generally collected on a 3-year cycle, with certain exceptions for segments of regional interest which are collected annually. Each count is 48-hours long and is uploaded to MS2 as two consecutive days of data. Additionally, classification data is collected at a subset of PAG locations every year.

Accessing Segment Count Data

The MS2 website has two sections, as shown below. The left data pane allows searches by road, specific location ID, and count year, or the user can navigate to areas of interest using the map on the right.

[Home](#)
[TMC](#)
[TCLS](#)
[TIDS](#)
[PMS](#)
[PMDS](#)
[RSMS](#)
[NMDS](#)
[PMMS](#)
[WOTS](#)
[RTTV](#)

[Login](#)
[Locate](#)
[Locate All](#)

[Auto-Locate OFF](#)

Quick Search

Advanced Search

Map Search

Tools

ICDS Quick Search

County

Select County

Community

Select Community

Located On (Road):

Select On Road

Location ID

Select Location ID

Count Year

Search

Clear

Station Data

Station Type	Continuous	Short	WIM
Total	0	536	0
AADT	0	504	0
Volume	0	536	0
Class	0	320	0
Speed	0	0	0
Gap	0	0	0
WIM	0	0	0

Percent of Data by Type

AADT

Volume

Class

Speed

Gap

WIM

0

25

50

75

100

Percent

Traffic Volume Index and Growth Rate

Traffic Volume Index and Growth Rate

Change

Index

Volume Index

Growth Rate

2

1

0

-1

-2

5%

3%

0%

-3%

-5%

2011

2012

2013

2014

2015

2016

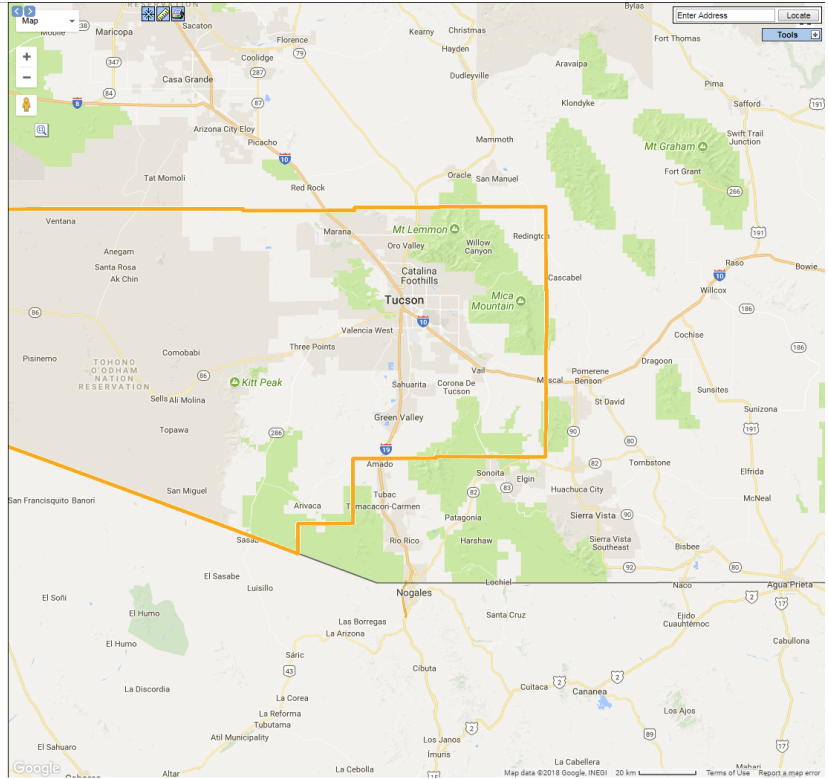
2017

Year

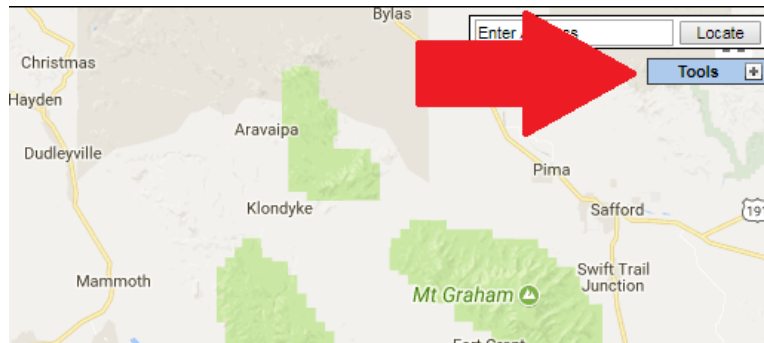
Browser Info

10/1/2018 10

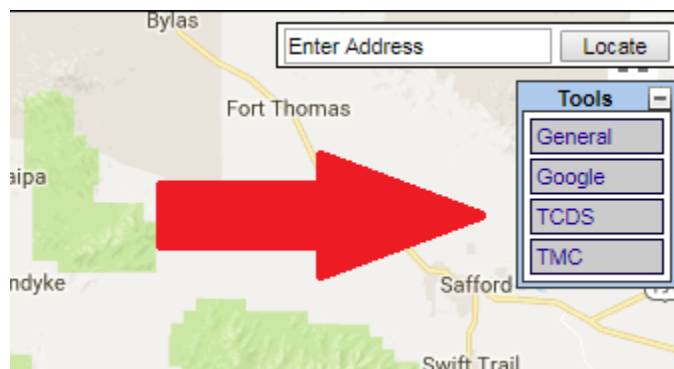
© 1997 - 2018 MS2



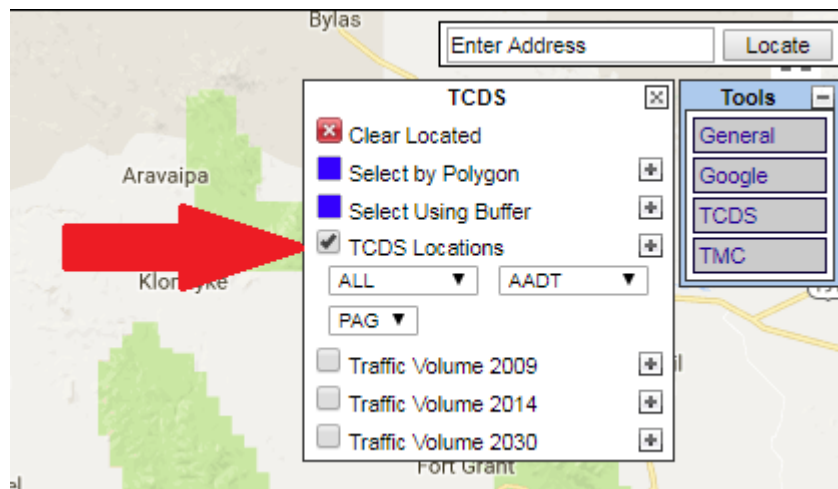
To display the data points, first click the “+” sign to open the toolbar:

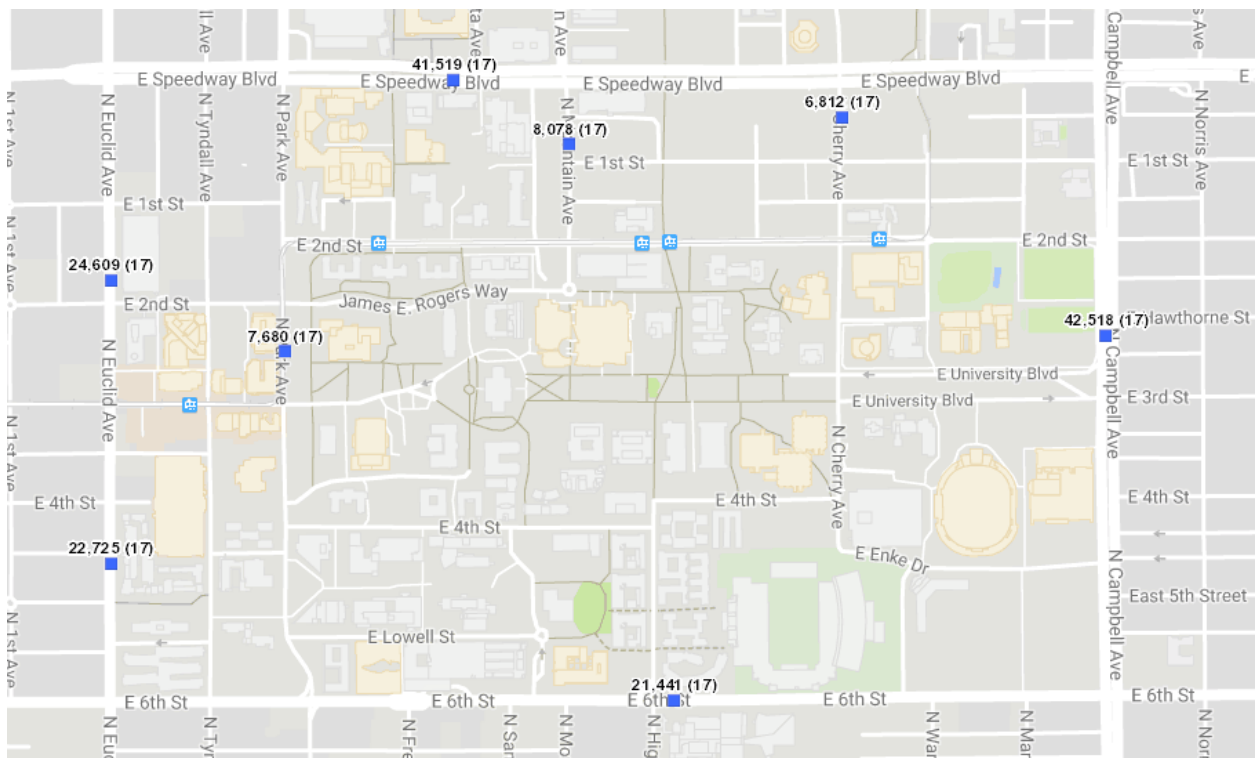


Then click “TCDS” to open the Traffic Count Data System menu



And then check the TCDS Locations box



[illegible]

Local ID: A-137

Located On: SPEEDWAY BL

Direction: 2-WAY

Count: 41519 (2017)

EB Count: 19987 (2017)

WB Count: 21531 (2017)

[View Detail](#)



STATION DATA										
Directions: 2-WAY EB WB ?										
AADT ?										
	Year	AADT	DHV-30	K %	D %	PA	BC	Src		
	2017	41,519 ³						Grown from 2016		
	2016	40,115	3,391	8	50					
Travel Demand Model										
	Model Year	Model AADT	AM PHV	AM PPV	MD PHV	MD PPV	PM PHV	PM PPV	NT PHV	NT PPV
VOLUME COUNT										
	Date	Int	Total							
	Thu 11/10/2016	15	42,788							
	Wed 11/9/2016	15	43,020							
	Wed 12/15/2010	15	50,603							
	Tue 12/14/2010	15	48,189							
	Wed 3/29/2006	15	52,322							
	Tue 3/28/2006	15	51,894							
	Tue 3/11/2003	15	56,461							
	Mon 3/10/2003	15	54,456							
	Thu 3/2/2000	15	48,825							
	Wed 3/1/2000	15	51,377							
<div> <div> <div><<</div> <div><</div> <div>></div> <div>>></div> </div> <div>1-10 of 12</div> </div> <div> <input type="text" value="mm / dd / yyyy"/> <input type="button" value="To Date"/> </div> <div> </div>										
VOLUME TREND ?										
Year	Annual Growth									
2017	3%									
2016	-3%									
2010	-1%									
2006	-2%									
2003	3%									
2000	-12%									
SPEED										
	Date	Int	Pace	85th	Total					
No Data										
CLASSIFICATION										
	Date	Int	Total							
	Wed 11/9/2016	15	43,020							

Clicking the eye symbol next to any given count will load the volume count report for the location, which shows the detailed 15-minute count for the location.


Volume Count Report

LOCATION INFO	
Location ID	A-137
Type	LINK
Funct'l Class	3
Located On	SPEEDWAY BL
From Road	EUCLID AV
To Road	CAMPBELL AV
Direction	2-WAY
County	Pima
Community	-
MPO ID	
HPMS ID	
Agency	PAG

COUNT DATA INFO	
Count Status	Accepted
Start Date	Thu 11/10/2016
End Date	Fri 11/11/2016
Start Time	12:00:00 AM
End Time	12:00:00 AM
Direction	2-WAY
Notes	
Station	
Study	
Speed Limit	
Description	
Sensor Type	

INTERVAL:15-MIN					
Time	15-min Interval				Hourly Count
	1st	2nd	3rd	4th	
 0:00-1:00	118	108	94	88	408
1:00-2:00	85	78	73	64	300
2:00-3:00	50	42	37	36	165
3:00-4:00	31	29	32	39	131
4:00-5:00	48	62	76	87	273
5:00-6:00	107	133	162	192	594
6:00-7:00	234	279	315	377	1,205
7:00-8:00	478	578	635	678	2,369
8:00-9:00	705	680	649	610	2,644
9:00-10:00	550	544	577	595	2,266
10:00-11:00	617	656	651	632	2,556
11:00-12:00	647	679	715	725	2,766
12:00-13:00	724	726	745	769	2,964
13:00-14:00	769	761	748	725	3,003
14:00-15:00	748	795	818	847	3,208
15:00-16:00	866	846	820	809	3,341
16:00-17:00	815	827	846	854	3,342
17:00-18:00	848	826	766	711	3,151
18:00-19:00	684	664	624	570	2,542
19:00-20:00	530	512	489	455	1,986
20:00-21:00	415	359	316	284	1,374
21:00-22:00	254	225	203	201	883
22:00-23:00	202	190	177	168	737
23:00-24:00 	152	151	146	131	580
Total					42,788
AADT					40,221
AM Peak	11:45-12:45				2,920
PM Peak	14:45-15:45				3,379

Additionally, a specific direction can be selected, and the count can be exported in .xls format.

Directions: **2-WAY** **EB** **WB** 



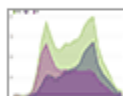
[View Calendar](#)



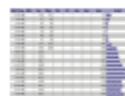
[View in Excel](#)



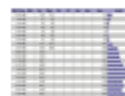
[Bar Graph](#)



[Line Graph](#)



[Weekly Report](#)



[Hourly Volume
By Lane](#)



[Compare
Count](#)

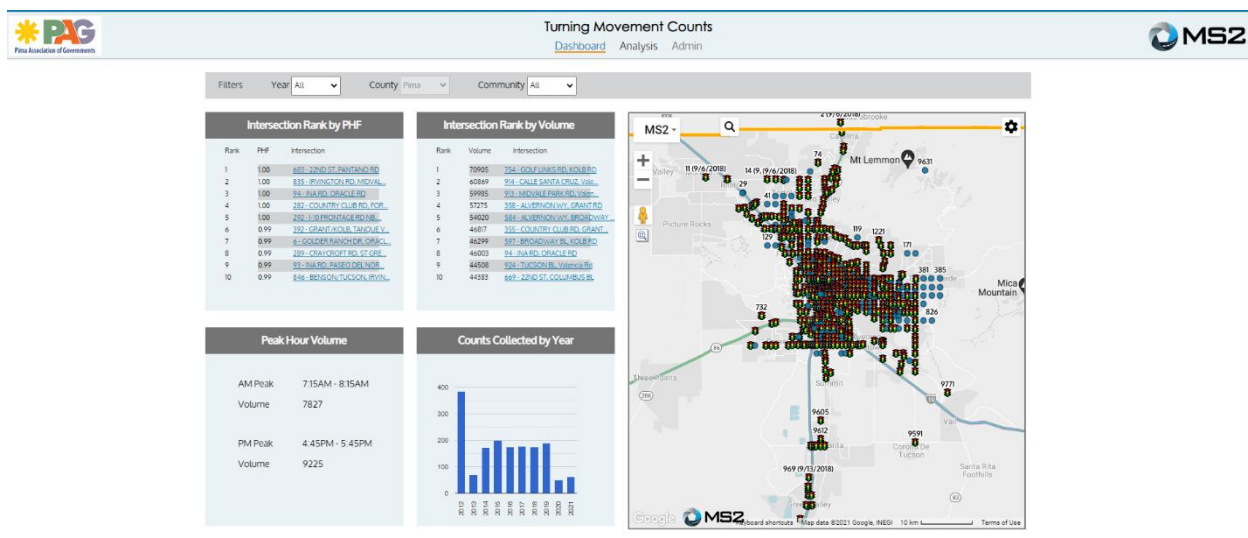
Turning Movement Count (TMC) module

The TMC module contains turning movement counts for vehicles and bicycles at signalized intersections within Pima County.

PAG turning movement counts are collected on a 3-year cycle for most major intersections. Most TMC collections are 4 hours long, corresponding to the AM peak period from 7-9AM, and the PM peak period from 4-6PM, however PAG has collected some 16-hour turning movement counts in support of other projects, which have data from 5AM -9PM.

Accessing Turning Movement Count Data

The TMC module has two main sections. The Dashboard, shown below, has a general overview of statistics as well as a navigable map showing signalized intersections (traffic signal icon) and some unsignalized intersections (blue dot).



Similarly, to the TCDS map navigation, selecting an intersection opens a summary window, which shows the intersection ID, legs of the intersection, the most recent TMC collection date, as well as the approach volumes on each leg.

Turning Movement Counts

Dashboard Analysis Admin

Quick Search

Advanced Search

Intersection ID: All

County: Pima

Community: All

Counts Year: All

Search

Results

Int ID	County	Community	Road 1	Road 2	Latest Date
443	Pima	-	MOUNTAIN AV	SPEEDWAY BL	02/23/2021

Showing 1 to 1 of 1 entries

Previous Next

Reports

Name: Intersection List

Start Date: 11/17/2021

End Date: 11/17/2021

Run Report

MS2

441 (2/23/2021)

442 (02/27/2021)

443 (02/23/2021)

444 (06/08/2018)

445 (06/22/2019)

446

Details

443 / MOUNTAIN AV / SPEEDWAY BL

Intersection

Count

Peak Hour

Edit Intersection

Delete Intersection

Intersection Info

Intersection ID: 443

County: Pima

Road 1: MOUNTAIN AV (NB)

Community 1: -

Road 2: MOUNTAIN AV (SB)

Community 2: -

Road 3: SPEEDWAY BL (EB)

Community 3: -

Road 4: SPEEDWAY BL (WB)

Community 4: -

Road 5: -

Latitude: 32.235973

Road 6: -

Longitude: -110.952398

Road 7: -

LRS ID: -

Road 8: -

LRS Location Point: -

Roundabout: No

Functional Class: -

Signalized: Yes

Seasonal Class Factor Groups: -

Int Owner: pag

Expansion Factor Groups: -

Maintaining Agency: -

Synchro Zone: -

Jurisdiction: -

TCDS Location ID: -

Images And Notes

Add

Edit/Delete

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Under “Count” section, various class information (e.g. “Bike”, “Car”, “Pedestrian”) can also be toggled on or off in this window (below). Directional turn volume on the intersection figure is combined with “Bike” and “Car” if both “Bike” and “Car” toggle buttons are on. “Pedestrian” represents the number of pedestrians crossing a specified crosswalk. Aggregated directional turn volumes are also available in the chart below.

Intersection Count Peak Hour

[Change to Calendar View](#)

Display	Date	PHV	Peak Hour	Duration	TMC Owner
<input checked="" type="radio"/>	Tuesday, February 23, 2021	3,150	5:00 PM	7:00 AM - 6:00 PM	pag
<input type="radio"/>	Thursday, October 19, 2017	4,477	4:45 PM	7:00 AM - 6:00 PM	pag
<input type="radio"/>	Thursday, November 6, 2014	4,138	4:45 PM	7:00 AM - 6:00 PM	pag
<input type="radio"/>	Tuesday, January 24, 2012	4,676	5:00 PM	7:00 AM - 6:00 PM	PAG
<input type="radio"/>	Tuesday, April 25, 2006	4,523	4:30 PM	7:00 AM - 6:00 PM	PAG

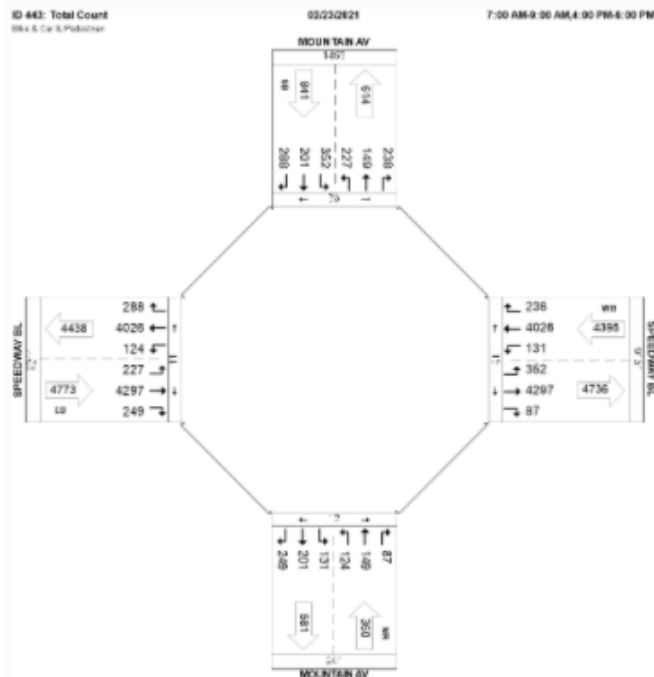
Count # of 5 [PREVIOUS](#) [NEXT](#)

[Edit Count](#)

[Delete Count](#)

☒ Bike ☒ Car ☒ Pedestrian

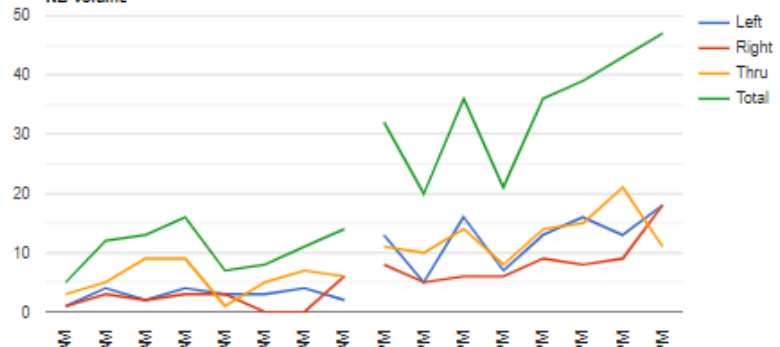
ID 443: Total Count
Bike & Car & Pedestrian



NB EB SB WB

Start Time	Left	Thru	Right	Ped*	Total
7:00 AM	1	3	1	0	5
7:15 AM	4	5	3	0	12
7:30 AM	2	9	2	1	13
7:45 AM	4	9	3	0	16
8:00 AM	3	1	3	0	7
8:15 AM	3	5	0	2	8
8:30 AM	4	7	0	0	11
8:45 AM	2	6	6	1	14
4:00 PM	13	11	8	2	32
4:15 PM	5	10	5	0	20

NB Volume



Additionally, after conducting a search or making a selection, a number of ad-hoc reports become available. These ad-hoc reports report values for the locations currently selected, and within the specified date ranges, and can be exported in a number of formats, such as Excel or csv.

Results

Filter:

Int ID	County	Community	Road 1	Road 2	Latest Date
10	Pima	-	MAIN AV	1ST ST	09/21/2017
100	Pima	-	COSTCO DR	THORNYDALE RD	09/20/2017
1000	Pima	-	LA VILLITA RD	Sahuarita Rd	11/07/2019
1001	Pima	-	HOUGHTON RD	BILBY RD	09/12/2018
1002	Pima	-	WILMOT RD	CARONDELET DR	10/23/2019
1003	Pima	-	STONE AV/ FRANKLIN ST	TOOLE AV	
1004	Pima	-	BEVERLY AV/ WILLIAMS BL	BROADWAY BL	
1005	Pima	-	IRVINGTON RD	17TH AV	
1006	Pima	-	ESMOND LP	RITA RD	
1007	Pima	-	MISSION RD	SAN MARCOS BL	

Intersection List
 Summary by Approach
 Volume by Approach
 Summary of Turning Movements
 Traffic Count Summary By Movement
 Summary of Bicycle Count
 Summary by Approach and Direction
 Summary of Pedestrian Count

Previous

1

2

3

4

5

...

77

Next

Intersection List

▼

Start Date

End Date

Run Report