



Issue: Jerico/E. Weldon Speed Limit

Date: 06.21.2022

Submitted By: Doug Colvin
Assistant City Administrator – Director, Nixa Utilities and Public Works

Background

This discussion item is to provide information from a discussion earlier this year about a request to raise the Jerico/Weldon speed limit to 25 mph.

Prior to 2003, the Nixa Board of Alderman voted to establish a lower speed limit of 15 mph on Jerico Street and E. Weldon Drive between North Street and N. Old Castle Road. Since that time, staff has completed and reviewed several traffic counts/speed tracking reports up through 2018 with no changes being directed from City Council.

Analysis

Earlier this year, staff received a letter from The Springs HOA requesting that we consider moving the speed limit back to the standard 25 mph along this portion of street. Almost immediately staff and City Council began receiving both supporting and opposing comments from local residents in that subdivision.

Upon internal review of the most recent traffic/speed information on record, staff moved to complete two separate speed/traffic control studies (attached) for the roadway by our consulting engineers. The first was a review for speed only based on most recent traffic count and speed data. The second was a complete traffic control study that included recommendations for speed limits and other control measures such as crosswalks, STOP signs and etc. In short, both cases recommend to raise the speed limit to 25 mph.

The second study also expressly recommended against offsetting the higher speed with any other control measure such as all way Stop at intersections or by installing crosswalks in the interest of controlling speed.

Recommendation

We have discussed the reports and recommendations internally and concur with the outcome. Staff does wish to move the speed limit to 25 mph however, wanted Council to have advance notice and an opportunity for additional discussion.

May 2nd, 2022

Jeff Roussell
Street Superintendent
City of Nixa

Re: Jerico Street Traffic Analysis

Dear Mr. Roussell:

This memo summarizes the traffic analysis conducted by Bartlett & West along Jerico Street from McCauley Farm Road to Greer Avenue. The traffic analysis included a speed limit analysis and sight distance review along Jerico Street, as well as a multi-way stop analysis and consideration of crosswalk markings at the three primary intersections along this segment. Discussion of each analysis is presented below.

Traffic volumes and speeds were collected by the City during the week of March 14th through March 18th and made available for the analysis.

Speed Limit Analysis

[Speed Limit Setting Tool](#)

The Transportation Research Board (TRB) recently published the National Cooperative Highway Research Program (NCHRP) Research Report 966 – Posted Speed Limit Setting Procedure and Tool. The report builds upon the previous body of knowledge regarding the use of the 85th-percentile speed as the basis for setting speed limits. The report incorporates new research to develop a Speed Limit Setting (SLS) procedure that considers both driver speed choice and safety associated with the roadway. The SLS-Procedure was designed to enhance the process for selecting appropriate speed limits, by providing unique decision rules for different roadway types and considers site characteristics and crash data. Depending on the many variables unique to each location, the SLS-Procedure guides the user to multiple options, utilizing either the 85th-percentile speed or the 50th-percentile speed. The options include setting the speed limit to the closest 5-mph increment of the measured 85th- or 50th-percentile speed or rounding down to the 85th- or 50th-percentile speeds.

[Speed Measurements](#)

Vehicular speeds were collected at Tucker Bay Circle and north of Welch Street, as shown in the figure below.





Figure 1: Speed Study Locations

The speed study data is summarized in the table below. The raw data is attached. The existing speed limit along Jerico Street is 15 mph.

Table 1: Traffic Count & Speed Data Summary

Location	Traffic Volumes (veh)		Speed Data (mph)				10 mph pace
	Two-Day	Daily Avg	Percentile Speeds				
			15th	50th	85th	95th	
Welch Street							
NB	219	110	8	20	26	29	16-25
SB	416	208	12	20	26	29	16-25
combined	635	318	11	20	26	29	
Tucker Bay Circle							
NB	650	325	17	23	28	31	21-30
SB	731	366	19	25	32	34	21-30
combined	1381	691	18	24	30	33	
Combined Weighted Average Speeds							
			16	23	29	31	

50th & 85th percentile speeds utilized in the Speed Limit Setting (SLS) Tool

The data from the table above was utilized in the SLS tool, along with the information listed below.

- Segment length, number of lanes, median type, number of access points, bicycle/pedestrian activity, sidewalk details, on-street parking activity, and crash data.



Traffic Crash Data

Traffic crash data was obtained from the Missouri Department of Transportation (MoDOT), through their online *Traffic Data Zone*. Two reported crashes were found along Jerico Street from 2011 through 2021 (ten-year history). Both crashes had a severity rating of Property Damage Only, with one crash occurring in 2015 (classification of Out of Control) and the other crash occurring in 2018 (classification of Parking/Parked Car). Two crashes in a ten-year period for a short segment is a relatively low number of crashes. A detailed crash rate was not analyzed due to the relatively short segment and low traffic volumes, compared to those associated with typical crash rate data.

SLS Results

Based on the roadway characteristics, the existing speed profile, and the crash data available, the suggested speed limit according to the SLS tool is 25 mph. The SLS report detailing the results is attached.

Sight Distance Review

Sight distance along Jerico Street was reviewed to ensure that 25 mph is an appropriate speed based on the vertical and horizontal alignment of the roadway. According to the *Policy on Geometric Design of Highways and Streets (The Green Book)*, published by the American Association of State Highway and Transportation Officials (AASHTO), the design stopping sight distance for a 25-mph roadway is 155 feet.

Although a site visit was conducted as part of the study, precise sight distance measurements were not collected. Based on the figures below, the horizontal alignment appears to accommodate sight lines of 155 feet. The sight lines shown are straight-line distances. The measured sight distance would be along the travelway, which is a longer distance than shown in the image. Thus, more roadway sight distance is provided than is shown in the images.



Figure 2: Horizontal Lines of Sight (Design) – North End



As shown in the figure below, the sight lines on the south end of Jerico Street, in the reverse curve segment, may extend outside of the curb-and-gutter, but appear to fall within the sidewalk or the green space immediately adjacent to the curb. Due to the stop control on Jerico Street at McCauley Farm Road, vehicular speeds would not be anticipated to approach 25 mph in this location.



Figure 3: Horizontal Lines of Sight (Design) - South End

The vertical alignment was also reviewed, although not measured precisely. The images below show the adequate vertical sight lines along the roadway. Additional images and measurements are attached.

NB at Tucker Bay Circle



Figure 4: Site Photo - NB at Tucker Bay Circle



SB at Tucker Bay Circle



Figure 5: Site Photo - SB at Tucker Bay Circle

SB South of Welch Drive



Figure 6: Site Photo - SB South of Welch Drive

NB at Welch Drive



Figure 7: Site Photo - NB at Welch Drive



NB at Roubidoux Street

Figure 8: Site Photo - NB at Roubidoux Street

SB at Greer Avenue

Figure 9: Site Photo - SB at Greer Avenue

Multi-Way Stop Warrant Analysis

The Manual on Uniform Traffic Control Devices (MUTCD) governs the placement of traffic signs on public roadways. The MUTCD lists several criteria that should be met before multi-way stop control is implemented at an intersection.

- One of these criteria is minimum volumes (Minimum Volume Warrant):
 - Major Street: At least 300 vehicles per hour (vph), combined for both approaches, for any 8 hours of an average day.
 - Minor Street: At least 200 units per hour for the same 8 hours, combined for both approaches.
 - Units = combined vehicular, pedestrian, and bicycle volumes
- Another consideration is the presence of crashes.
 - Five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation. Such



crashes include right-turn and left-turn collisions as well as right-angle collisions.

The relevant data from the traffic count information is provided below. Data is only available along Jerico Street, which is the major street for comparison to the MUTCD information. If volumes along Jerico Street indicate a potential for meeting the multi-way stop warrant, additional data along the minor streets would be needed for additional study.

- Greer Avenue
 - Traffic data was not collected at the intersection of Greer Avenue. However, given the proximity to the collection point north of Welch Street, the traffic volume along Jerico Street is assumed to be similar to the volumes near Welch Street and thus the findings for Welch Street would apply to Greer Avenue.
 - Based on the number of houses along and connecting to Greer Avenue, it is possible that at the intersection with Jerico Street, the traffic volume may be higher on the Greer Avenue approach. However, because Greer Avenue has a stop control (on the T-leg of the T-intersection), the volume along Jerico Street is considered first, to evaluate the availability of gaps in traffic for vehicles to enter Jerico Street from Greer Avenue.
- Welch Street
 - Highest hourly volume: 47 vehicles per hour
 - The data collection devices noted two abnormal data points on the morning of Friday, March 18th, of 77 vehicles in the northbound direction from 2:00 am to 3:00 am, and 109 vehicles in the northbound direction from 5:00 am to 6:00 am. Only 1 vehicle in the northbound direction in the hour before 2:00 am, as well as the each of the two hours between 3:00 am and 5:00 am, with 5 vehicles recorded in the northbound direction from 6:00 am to 7:00 am. Given the overall data points in the northbound direction from 12:00 am to 7:00 am, the two abnormal data points are most likely due to mechanical error or some other influence.
- Tucker Bay Circle
 - Highest hourly volume: 65 vehicles per hour

The highest hourly volume for Jerico Street is well below the minimum volume threshold established in the MUTCD and thus the minimum volume warrant is not met. It should be noted the pedestrian data is not available in the collected data and is assumed to be minor and assumed to not affect the outcome of the warrant.

Considering the crash data for the segment, with only two crashes in ten years, and both crashes not susceptible to correction from a multi-way stop, the crash warrant is not met.

Consideration of Crosswalk Markings

The three primary intersection along Jerico Street were reviewed for the consideration of installing crosswalk markings. The intersecting roadways are Greer Avenue, Welch Street, and Tucker Bay Circle.



The MUTCD provides guidance on how a crosswalk should be marked, but not necessarily whether or not a crosswalk should be installed. Several studies were reviewed, with the relevant findings summarized here. The applicable studies are included in the attachment.

- On 2-lane roads, there was no significant difference in pedestrian crash rates between marked and unmarked sites.
- Crosswalk markings should not be used at all intersections. If used extensively, many marked crosswalks would be under-used, and motorists would tend to be desensitized to their presence. This could lead to problems at heavily used crosswalks and detract from potential safety value at these locations. Crosswalks should be used in general only at locations where pedestrian activity is significant. This will ensure that motorists come to associate crosswalks and pedestrian activity.
- Transportation Research Record 1141 suggests not installing marked crosswalks on roadways with an average daily volume of less than 1,000 vehicles per day

The general theme of the studies reviewed indicate that crosswalk markings should be reserved for roadways with higher vehicular volumes and speeds than is present along Jerico Street. The studies also indicate the need to consider special circumstances for all other roadways. While Jerico Street provides a connection from McCauley Farm Road to Old Castle Road, the primary function of Jerico Street is residential access, similar to the many subdivision roadways in the area and throughout Nixa.

Pedestrian counts were not collected as part of this study. Unless significant pedestrian activity is occurring at these three intersections along Jerico Street, there is no indication that marked crosswalks would provide a safety benefit or that they would be any more warranted than at other internal subdivision intersections in the area or throughout Nixa.

Summary of Findings

Based on the information presented above, the following conclusions are provided.

- The suggested posted speed limit for Jerico Street is 25 mph.
- Multi-way stop control is not warranted along Jerico Street at the intersections of Tucker Bay Circle, Welch Drive, or Greer Avenue.
- Crosswalk markings would likely not provide a safety benefit along Jerico Street at the intersections of Tucker Bay Circle, Welch Drive, or Greer Avenue.



If you have questions about any of the information presented here, please don't hesitate to contact us.

Sincerely,



Jason Sommerer, PE, PTOE
Traffic Engineer
MO PE: 2008002211; PTOE: 3958

Attachments

Sealed 05/02/2022
Bartlett & West, Inc.
Certificate of Authority No. 000167 (Engineering)



Attachments

Count/Speed Data – 12 pages

SLS Report – 1 page

Sight Distance Images – 4 pages

Works Cited – 1 page



Jerico N. of Welch

Dir1 - South Bound
Dir2 - North Bound

Your Company Name
Street Address
Location, Zip or Postal Code
Change These in File > Preferences > Titles

Site Code: 00002202
Station ID:

Latitude: 0' 0.0000 South

Dir 1 - SB - North of Welch

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/16/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	1	3	3	1	1	0	0	0	0	0	0	0	0	0	9	16-25	6
13:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	15-24	3
14:00	1	2	2	1	0	0	0	0	0	0	0	0	0	0	6	16-25	4
15:00	2	6	13	4	1	0	0	0	0	0	0	0	0	0	26	16-25	19
16:00	1	7	5	2	1	0	0	0	0	0	0	0	0	0	16	16-25	12
17:00	3	6	9	3	0	0	0	0	0	0	0	0	0	0	21	16-25	15
18:00	1	2	5	2	1	0	0	0	0	0	0	0	0	0	11	21-30	7
19:00	1	8	5	2	0	0	0	0	0	0	0	0	0	0	16	16-25	13
20:00	2	4	3	0	0	0	0	0	0	0	0	0	0	0	9	15-24	7
21:00	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6	18-27	5
22:00	0	1	1	0	0	1	0	0	0	0	0	0	0	0	3	14-23	2
23:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	19-28	3
Total	12	41	54	18	4	1	0	0	0	0	0	0	0	0	130		
Percent	9.2%	31.5%	41.5%	13.8%	3.1%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	17:00	19:00	15:00	15:00	12:00	22:00										15:00	
	3	8	13	4	1	1										26	

Your Company Name
 Street Address
 Location, Zip or Postal Code
 Change These in File > Preferences > Titles

Site Code: 00002202
 Station ID:

Latitude: 0' 0.0000 South

Dir 1 - SB - North of Welch

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number	
Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	Speed	in Pace
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999				
03/17/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1	
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	24-33	2	
05:00	1	0	0	1	1	0	0	0	0	0	0	0	0	0	5	21-30	3	
06:00	2	0	2	1	0	0	0	0	0	0	0	0	0	0	12	16-25	9	
07:00	0	3	6	2	1	0	0	0	0	0	0	0	0	0	16	16-25	11	
08:00	2	5	6	2	1	0	0	0	0	0	0	0	0	0	12	21-30	8	
09:00	3	1	6	2	0	0	0	0	0	0	0	0	0	0	10	21-30	6	
10:00	2	2	4	2	0	0	0	0	0	0	0	0	0	0	17	21-30	12	
11:00	1	2	8	4	2	0	0	0	0	0	0	0	0	0	6	16-25	5	
12 PM	1	2	3	0	0	0	0	0	0	0	0	0	0	0	10	16-25	7	
13:00	3	3	4	0	0	0	0	0	0	0	0	0	0	0	10	16-25	8	
14:00	1	6	2	1	0	0	0	0	0	0	0	0	0	0	21	19-28	14	
15:00	3	4	9	5	0	0	0	0	0	0	0	0	0	0	12	19-28	10	
16:00	0	1	8	2	1	0	0	0	0	0	0	0	0	0	22	16-25	15	
17:00	2	6	9	5	0	0	0	0	0	0	0	0	0	0	18	16-25	15	
18:00	1	6	9	1	1	0	0	0	0	0	0	0	0	0	17	16-25	12	
19:00	3	6	6	2	0	0	0	0	0	0	0	0	0	0	9	21-30	5	
20:00	0	2	3	2	2	0	0	0	0	0	0	0	0	0	4	15-24	4	
21:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	3	14-23	2	
22:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	9-18	1	
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	209			
Total	25	53	89	33	9	0	0	0	0	0	0	0	0	0				
Percent	12.0%	25.4%	42.6%	15.8%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak	09:00	08:00	11:00	11:00	11:00													
Vol.	3	5	8	4	2													
PM Peak	13:00	14:00	15:00	15:00	20:00													
Vol.	3	6	9	5	2													

Your Company Name
 Street Address
 Location, Zip or Postal Code
 Change These in File > Preferences > Titles

Site Code: 00002202
 Station ID:

Latitude: 0' 0.0000 South

Dir 1 - SB - North of Welch

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		3	10-19	2
03/18/22	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	9-18	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1-10	12
05:00	18	2	1	0	0	0	0	0	0	0	0	0	0	0	0	21	6-15	11
06:00	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	7	21-30	6
07:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	13	21-30	11
08:00	1	1	4	7	0	0	0	0	0	0	0	0	0	0	0	11	21-30	8
09:00	0	1	7	1	2	0	0	0	0	0	0	0	0	0	0	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	36	11	16	11	3	0	0	0	0	0	0	0	0	0	0	77		
Percent	46.8%	14.3%	20.8%	14.3%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	06:00	09:00	08:00	09:00												05:00	
Vol.	18	3	7	7	2												21	
PM Peak																		
Vol.																	416	
Total	73	105	159	62	16	1	0	0	0	0	0	0	0	0	0			
Percent	17.5%	25.2%	38.2%	14.9%	3.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Dir 1 - SB - North of Welch

Stats

15th Percentile : 12 MPH
 50th Percentile : 20 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 264
 Percent in Pace : 63.5%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%
 Mean Speed(Average) : 20 MPH

Your Company Name
 Street Address
 Location, Zip or Postal Code
 Change These in File > Preferences > Titles

Site Code: 00002202
 Station ID:

Dir 2 - NB - North of Welch

Latitude: 0' 0.0000 South

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/16/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	0	5	2	3	0	0	0	0	0	0	0	0	0	0	10	15-24	7
13:00	0	2	3	4	0	0	0	0	0	0	0	0	0	0	9	21-30	7
14:00	1	0	9	4	1	0	0	0	0	0	0	0	0	0	15	21-30	13
15:00	2	3	8	7	1	0	0	0	0	0	0	0	0	0	21	21-30	15
16:00	1	6	11	4	0	0	0	0	0	0	0	0	0	0	22	16-25	17
17:00	2	2	8	5	1	0	0	0	0	0	0	0	0	0	18	21-30	13
18:00	3	4	9	8	0	0	0	0	0	0	0	0	0	0	24	21-30	17
19:00	1	4	7	5	1	0	0	0	0	0	0	0	0	0	18	19-28	12
20:00	0	3	5	2	0	0	0	0	0	0	0	0	0	0	10	16-25	8
21:00	0	1	7	1	0	0	0	0	0	0	0	0	0	0	9	17-26	8
22:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5	16-25	3
23:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	21-30	3
Total	11	32	70	47	4	0	0	0	0	0	0	0	0	0	164		
Percent	6.7%	19.5%	42.7%	28.7%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	18:00	16:00	16:00	18:00	14:00										18:00		
	3	6	11	8	1										24		

Your Company Name
 Street Address
 Location, Zip or Postal Code
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Site Code: 00002202
 Station ID:

Dir 2 - NB - North of Welch

Latitude: 0' 0.0000 South

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/17/22	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	19-28	2
01:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	9-18	1
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	20-29	2
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	24-33	2
04:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	19-28	4
05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	14-23	1
06:00	1	2	1	5	0	0	0	0	0	0	0	0	0	0	9	21-30	6
07:00	1	1	5	2	0	0	0	0	0	0	0	0	0	0	9	21-30	7
08:00	2	3	9	0	0	0	0	0	0	0	0	0	0	0	14	16-25	12
09:00	3	0	5	4	1	0	0	0	0	0	0	0	0	0	13	21-30	9
10:00	2	2	7	3	1	0	0	0	0	0	0	0	0	0	15	19-28	10
11:00	1	5	7	5	2	0	0	0	0	0	0	0	0	0	20	21-30	12
12 PM	1	7	4	1	0	1	0	0	0	0	0	0	0	0	14	16-25	11
13:00	2	5	6	4	0	0	0	0	0	0	0	0	0	0	17	16-25	11
14:00	0	2	5	4	4	0	0	0	0	0	0	0	0	0	15	20-29	9
15:00	1	6	11	6	0	0	0	0	0	0	0	0	0	0	24	16-25	17
16:00	2	4	7	5	1	0	0	0	0	0	0	0	0	0	19	19-28	12
17:00	3	4	8	9	1	0	0	0	0	0	0	0	0	0	25	21-30	17
18:00	0	3	10	2	1	0	0	0	0	0	0	0	0	0	16	16-25	13
19:00	4	3	5	6	2	0	0	0	0	0	0	0	0	0	20	21-30	11
20:00	1	6	12	1	0	1	0	0	0	0	0	0	0	0	21	16-25	18
21:00	0	1	6	0	0	0	0	0	0	0	0	0	0	0	7	16-25	7
22:00	14	9	4	3	0	0	0	0	0	0	0	0	0	0	30	11-20	14
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9-18	1
Total	38	65	117	65	16	2	0	0	0	0	0	0	0	0	303		
Percent	12.5%	21.5%	38.6%	21.5%	5.3%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	08:00	06:00	11:00											11:00	
Vol.	3	5	9	5	2											20	
PM Peak	22:00	22:00	20:00	17:00	14:00	12:00										22:00	
Vol.	14	9	12	9	4	1										30	

Your Company Name
 Street Address
 Location, Zip or Postal Code
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Site Code: 0002202
 Station ID:

Latitude: 0' 0.0000 South

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999		
Time	15	20	25	30	35	40	45	50	55	60	65	70	75				
03/18/22	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	14-23	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	60	16	0	1	0	0	0	0	0	0	0	0	0	0	77	6-15	40
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
05:00	64	31	14	0	0	0	0	0	0	0	0	0	0	0	109	11-20	52
06:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5	19-28	4
07:00	1	0	4	1	0	0	0	0	0	0	0	0	0	0	6	19-28	5
08:00	0	2	4	3	0	0	0	0	0	0	0	0	0	0	9	19-28	7
09:00	1	1	4	3	0	0	0	0	0	0	0	0	0	0	9	20-29	7
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	126	52	30	10	1	0	0	0	0	0	0	0	0	0	219		
Percent	57.5%	23.7%	13.7%	4.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	05:00	05:00	08:00	04:00										05:00		
Vol.	64	31	14	3	1										109		
PM Peak																	
Vol.	175	149	217	122	21	2	0	0	0	0	0	0	0	0	686		
Percent	25.5%	21.7%	31.6%	17.8%	3.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

these appear to be abnormalities

Dir 2 - NB - North of Welch

Dir 2 - NB - North of Welch

Stats

15th Percentile : 8 MPH
 50th Percentile : 20 MPH
 85th Percentile : 26 MPH
 95th Percentile : 29 MPH
 10 MPH Pace Speed : 16-25 MPH
 Number in Pace : 366
 Percent in Pace : 53.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%
 Mean Speed(Average) : 19 MPH

Jerico @ Tucker Bay

Dir1 - North Bound

Dir2 - South Bound

Dir 1 - NB - at Tucker Bay

Your Company Name
 Street Address
 Location, Zip or Postal Code
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Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/14/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	1	0	9	2	4	0	0	0	0	0	0	0	0	0	16	20-29	11
11:00	0	7	4	9	1	0	0	0	0	0	0	0	0	0	21	20-29	13
12 PM	0	7	4	9	1	0	0	0	0	0	0	0	0	0	14	21-30	10
13:00	2	2	4	6	0	0	0	0	0	0	0	0	0	0	27	20-29	21
14:00	1	4	15	6	1	0	0	0	0	0	0	0	0	0	25	21-30	22
15:00	0	3	13	9	0	0	0	0	0	0	0	0	0	0	19	21-30	13
16:00	1	2	6	7	3	0	0	0	0	0	0	0	0	0	29	21-30	23
17:00	1	4	16	7	1	0	0	0	0	0	0	0	0	0	43	21-30	35
18:00	0	4	18	17	4	0	0	0	0	0	0	0	0	0	39	21-30	29
19:00	2	4	18	11	4	0	0	0	0	0	0	0	0	0	12	16-25	7
20:00	1	2	5	0	4	0	0	0	0	0	0	0	0	0	11	19-28	8
21:00	0	3	4	4	0	0	0	0	0	0	0	0	0	0	9	26-35	5
22:00	0	2	2	3	2	0	0	0	0	0	0	0	0	0	5	21-30	4
23:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	7	26-35	4
23:00	0	2	1	3	1	0	0	0	0	0	0	0	0	0	277		
Total	9	40	118	85	25	0	0	0	0	0	0	0	0	0			
Percent	3.2%	14.4%	42.6%	30.7%	9.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	10:00	11:00	10:00										11:00		
Vol.	1	7	9	9	4										21		
PM Peak	12:00	13:00	17:00	17:00	17:00										17:00		
Vol.	2	4	18	17	4										43		

Your Company Name
 Street Address
 Location, Zip or Postal Code
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Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Dir 1 - NB - at Tucker Bay

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76			
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/15/22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	24-33	2
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	14-23	1
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	19-28	1
06:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	16-25	4
07:00	0	2	2	1	1	0	0	0	0	0	0	0	0	0	5	26-35	3
08:00	0	1	1	2	1	0	0	0	0	0	0	0	0	0	16	16-25	12
09:00	0	6	6	4	0	0	0	0	0	0	0	0	0	0	22	21-30	19
10:00	0	3	7	12	0	0	0	0	0	0	0	0	0	0	21	21-30	15
11:00	1	4	7	8	0	1	0	0	0	0	0	0	0	0	25	19-28	13
12 PM	4	5	7	6	3	0	0	0	0	0	0	0	0	0	16	20-29	12
13:00	1	2	8	4	1	0	0	0	0	0	0	0	0	0	19	21-30	15
14:00	1	2	8	7	1	0	0	0	0	0	0	0	0	0	21	21-30	17
15:00	1	2	11	6	1	0	0	0	0	0	0	0	0	0	23	21-30	18
16:00	0	3	9	9	1	1	0	0	0	0	0	0	0	0	37	16-25	28
17:00	0	8	20	6	3	0	0	0	0	0	0	0	0	0	32	21-30	24
18:00	2	4	14	10	1	1	0	0	0	0	0	0	0	0	26	16-25	22
19:00	0	6	16	3	1	0	0	0	0	0	0	0	0	0	14	16-25	10
20:00	1	6	4	1	2	0	0	0	0	0	0	0	0	0	11	21-30	8
21:00	0	2	3	5	1	0	0	0	0	0	0	0	0	0	11	20-29	9
22:00	0	1	6	3	1	0	0	0	0	0	0	0	0	0	6	21-30	5
23:00	0	1	1	4	0	0	0	0	0	0	0	0	0	0	318		
Total	11	58	133	94	19	3	0	0	0	0	0	0	0	0			
Percent	3.5%	18.2%	41.8%	29.6%	6.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			10:00
AM Peak	11:00	09:00	10:00	10:00	04:00	11:00											22
Vol.	1	6	7	12	1	1											17:00
PM Peak	12:00	17:00	17:00	18:00	12:00	16:00											37
Vol.	4	8	20	10	3	1											

Your Company Name
 Street Address
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 Change These in File > Preferences > Titles

Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Dir 1 - NB - at Tucker Bay

Direction 1	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		2	9-18	1
03/16/22	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	19-28	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24-33	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19-28	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	19-28	1
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	*	1
06:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	21-30	5
07:00	0	2	3	2	1	0	0	0	0	0	0	0	0	0	0	6	21-30	4
08:00	1	1	3	1	0	0	0	0	0	0	0	0	0	0	0	33	15-24	13
09:00	19	7	6	1	0	0	0	0	0	0	0	0	0	0			*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	21	11	13	8	2	0	0	0	0	0	0	0	0	0	0	55		
Percent	38.2%	20.0%	23.6%	14.5%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	09:00	07:00	02:00												09:00	
Vol.	19	7	6	2	1												33	
PM Peak																		
Vol.																	650	
Total	41	109	264	187	46	3	0	0	0	0	0	0	0	0	0			
Percent	6.3%	16.8%	40.6%	28.8%	7.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Dir 1 - NB - at Tucker Bay

Stats

10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 451
 Percent in Pace : 69.4%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%
 Mean Speed(Average) : 23 MPH

Your Company Name
 Street Address
 Location, Zip or Postal Code
Change These in File > Preferences > Titles

Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Dir 2 - SB - at Tucker Bay

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
03/14/22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	1	5	11	3	1	0	0	0	0	0	0	0	0	21	21-30	16
11:00	0	6	4	12	7	0	0	0	0	0	0	0	0	0	29	26-35	19
12 PM	0	2	5	6	2	2	0	0	0	0	0	0	0	0	17	21-30	11
13:00	1	1	7	3	5	1	0	0	0	0	0	0	0	0	18	20-29	10
14:00	1	0	8	7	4	0	0	0	0	0	0	0	0	0	20	21-30	15
15:00	4	2	8	3	4	0	3	0	0	0	0	0	0	0	24	21-30	11
16:00	0	3	6	7	4	0	0	0	0	0	0	0	0	0	20	21-30	13
17:00	0	2	4	8	6	0	0	0	0	0	0	0	0	0	20	25-34	14
18:00	1	2	11	7	4	0	1	0	0	0	0	0	0	0	26	21-30	18
19:00	0	0	4	4	4	1	0	0	0	0	0	0	0	0	13	21-30	8
20:00	0	1	3	2	6	0	0	0	0	0	0	0	0	0	12	26-35	8
21:00	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6	25-34	5
22:00	0	1	0	3	1	0	0	0	0	0	0	0	0	0	5	26-35	4
23:00	0	0	2	0	1	1	0	0	0	0	0	0	0	0	4	15-24	2
Total	7	21	68	75	54	6	4	0	0	0	0	0	0	0	235		
Percent	3.0%	8.9%	28.9%	31.9%	23.0%	2.6%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		11:00	10:00	11:00	11:00	10:00										11:00	
Vol.		6	5	12	7	1										29	
PM Peak	15:00	16:00	18:00	17:00	17:00	12:00	15:00									18:00	
Vol.	4	3	11	8	6	2	3									26	

Your Company Name
 Street Address
 Location, Zip or Postal Code
 Change These in File > Preferences > Titles

Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Dir 2 - SB - at Tucker Bay

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number	
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace	
03/15/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19-28	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29-38	1	
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	*	*	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	30-39	2	
04:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4	25-34	3	
05:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	14	21-30	8	
06:00	2	3	2	6	1	0	0	0	0	0	0	0	0	0	30	21-30	20	
07:00	1	5	12	8	4	0	0	0	0	0	0	0	0	0	38	21-30	29	
08:00	0	5	12	17	2	2	0	0	0	0	0	0	0	0	19	16-25	13	
09:00	0	6	7	1	5	0	0	0	0	0	0	0	0	0	25	21-30	15	
10:00	0	2	5	10	5	3	0	0	0	0	0	0	0	0	21	21-30	13	
11:00	1	1	6	7	5	1	0	0	0	0	0	0	0	0	18	21-30	12	
12 PM	2	3	4	8	1	0	0	0	0	0	0	0	0	0	22	24-33	17	
13:00	0	0	5	11	6	0	0	0	0	0	0	0	0	0	30	21-30	19	
14:00	1	4	8	11	5	1	0	0	0	0	0	0	0	0	24	26-35	13	
15:00	0	4	7	5	8	0	0	0	0	0	0	0	0	0	16	21-30	11	
16:00	2	1	5	6	2	0	0	0	0	0	0	0	0	0	28	16-25	17	
17:00	3	8	9	7	1	0	0	0	0	0	0	0	0	0	30	21-30	21	
18:00	2	6	12	9	1	0	0	0	0	0	0	0	0	0	19	21-30	13	
19:00	0	3	7	6	2	1	0	0	0	0	0	0	0	0	15	21-30	10	
20:00	0	2	5	5	2	1	0	0	0	0	0	0	0	0	5	26-35	3	
21:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	11	21-30	8	
22:00	0	1	4	4	2	0	0	0	0	0	0	0	0	0	9	24-33	7	
23:00	0	0	2	4	3	0	0	0	0	0	0	0	0	0	382			
Total	14	54	113	129	58	14	0	0	0	0	0	0	0	0				
Percent	3.7%	14.1%	29.6%	33.8%	15.2%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		08:00		
AM Peak	06:00	09:00	07:00	08:00	09:00	10:00										38		
Vol.	2	6	12	17	5	3										14:00		
PM Peak	17:00	17:00	18:00	13:00	15:00	14:00										30		
Vol.	3	8	12	11	8	1												

Your Company Name
 Street Address
 Location, Zip or Postal Code
Change These in File > Preferences > Titles

Site Code: 00002201
 Station ID:

Latitude: 0' 0.0000 South

Dir 2 - SB - at Tucker Bay

Direction 2	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace Speed	Number in Pace
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/16/22	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	29-38	1
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	25-34	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
05:00	1	0	0	2	2	0	0	0	0	0	0	0	0	0	5	25-34	4
06:00	2	2	0	4	2	0	0	0	0	0	0	0	0	0	10	26-35	6
07:00	0	3	7	13	8	1	1	0	0	0	0	0	0	0	33	24-33	21
08:00	0	10	9	11	7	1	0	0	0	0	0	0	0	0	38	19-28	20
09:00	1	5	9	4	4	1	0	0	0	0	0	0	0	0	24	16-25	14
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	20	25	34	26	4	1	0	0	0	0	0	0	0	114		
Percent	3.5%	17.5%	21.9%	29.8%	22.8%	3.5%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			08:00
AM Peak	06:00	08:00	08:00	07:00	07:00	00:00	07:00										
Vol.	2	10	9	13	8	1	1										38
PM Peak																	
Vol.																	731
Total	25	95	206	238	138	24	5	0	0	0	0	0	0	0			
Percent	3.4%	13.0%	28.2%	32.6%	18.9%	3.3%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

Dir 2 - SB - at Tucker Bay

Stats
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 444
 Percent in Pace : 60.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%
 Mean Speed(Average) : 26 MPH

NCHRP 17-76 Speed Limit Setting Tool			
Input Cells	Description	Output Cells	
Site Description Data		Color-Coding Legend	
Suburban	Roadway context	Aqua = basic input cell	
Collector	Roadway type	Denim = basic input cell with drop-down menu	
Yes	Are crash data available?	Orange = optional input cell (not needed for calculations)	
Kate Baxter	Analyst	Green = optional input cell (use if data for agency & region are available, leave blank otherwise)	
4/13/2022	Date	Rose = intermediate calculations	
Jerico St	Roadway name	Purple = final analysis results	
McCauley Farm Rd to Greer Ave	Description		
15	Current speed limit (mph)		
Combined Speeds	Notes	Note: The "Test macros" button provides a message to verify proper macro operation.	
Analysis Results		Advisory, Calculated, or Warning Messages	
Speed limit setting group		Developed	
Suggested speed limit (mph)		25	This value is determined by speed data & site characteristics.
Speed Data		Advisory, Calculated, or Warning Messages	
35	Maximum speed limit (mph)		
29	85th-percentile speed (mph)		
23	50th-percentile speed (mph)		
Site Characteristics		Advisory, Calculated, or Warning Messages	
0.35	Segment length (mi)		
2	Number of lanes (two-way total)		
Undivided	Median type		
0	Number of traffic signals	0 signals / mi	
35	Number of access points (total of both directions)	Closest 50th (100 access points / mi)	
Not high / Any type	Bicyclist activity / bike lane type		
Adequate	Sidewalk presence / width		
Present	Sidewalk buffer		
Some	Pedestrian activity		
High	On-street parking activity	Closest 50th	
Yes	Parallel parking permitted?	Rounded-Down 85th	
No	Angle parking present?		
NO	Adverse alignment present?		
Crash Data		Advisory, Calculated, or Warning Messages	
10	Number of years of crash data		
504	Average AADT for crash data period (veh/d)		
No	Is the segment a one-way street?		
2	All (KABCO) crashes for crash data period	Observed KABCO crash rate = 310.63 crashes / 100 MVMT	
0	Fatal & injury (KABC) crashes for crash data period	Observed KABC crash rate = 0 crashes / 100 MVMT	
	Average KABCO crash rate (crashes / 100 MVMT)	HSIS average KABCO crash rate = 263.17 crashes / 100 MVMT	
	Average KABC crash rate (crashes / 100 MVMT)	HSIS average KABC crash rate = 67.32 crashes / 100 MVMT	
	1.3 x average KABCO crash rate (crashes / 100 MVMT)	342.1	
	1.3 x average KABC crash rate (crashes / 100 MVMT)	87.5	
	Critical KABCO crash rate (crashes / 100 MVMT)	673.4	
	Critical KABC crash rate (crashes / 100 MVMT)	313.2	

Sight Distance Images

All distances shown are straight-line distances. The measured sight distance would be along the travelway, which is a longer distance than shown in the image. Thus, more roadway sight distance is provided than is shown in the images.

NB Jerico Street - Approaching Greer Avenue

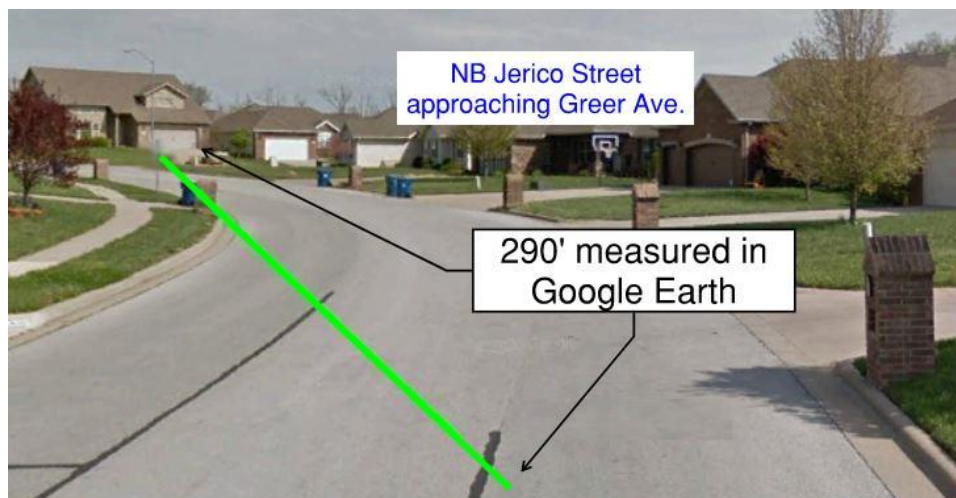


Figure 10: Sight Distance Images - NB Approaching Greer Avenue



NB Jerico Street - South of Roubidoux Street

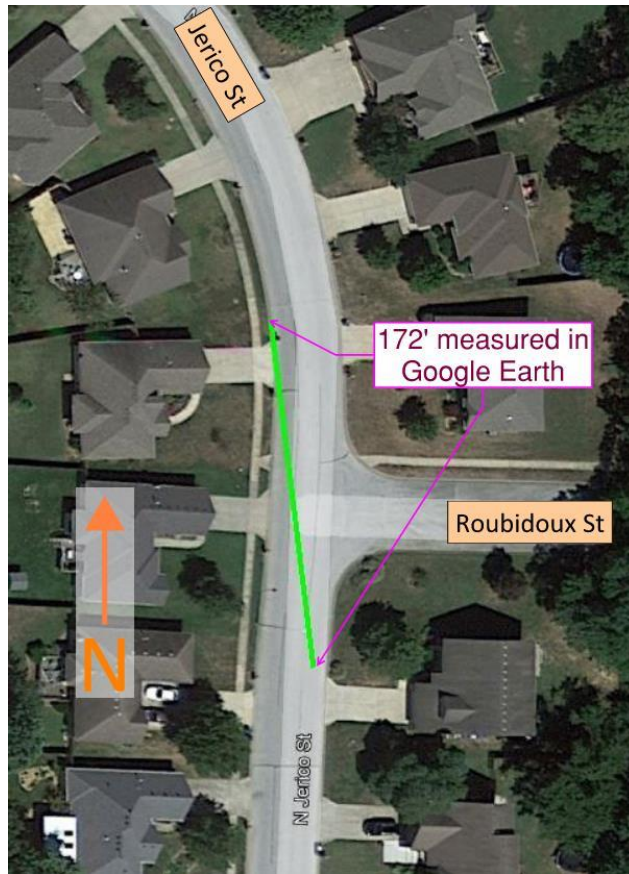


Figure 11: Sight Distance Images - NB near Roubidoux Street



SB Jerico Street approaching McCauley Farm Road

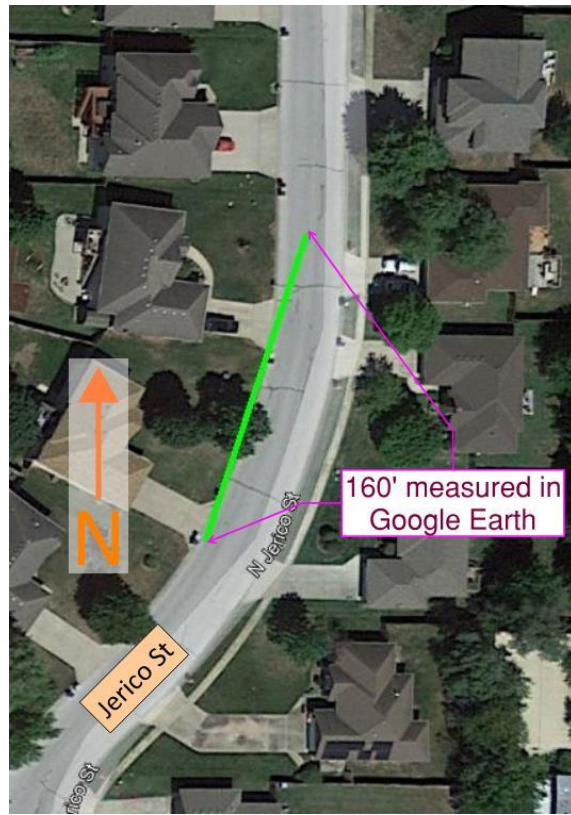


Figure 12: Sight Distance Images - SB near McCauley Farm Road



NB Jerico Street near McCauley Farm Road

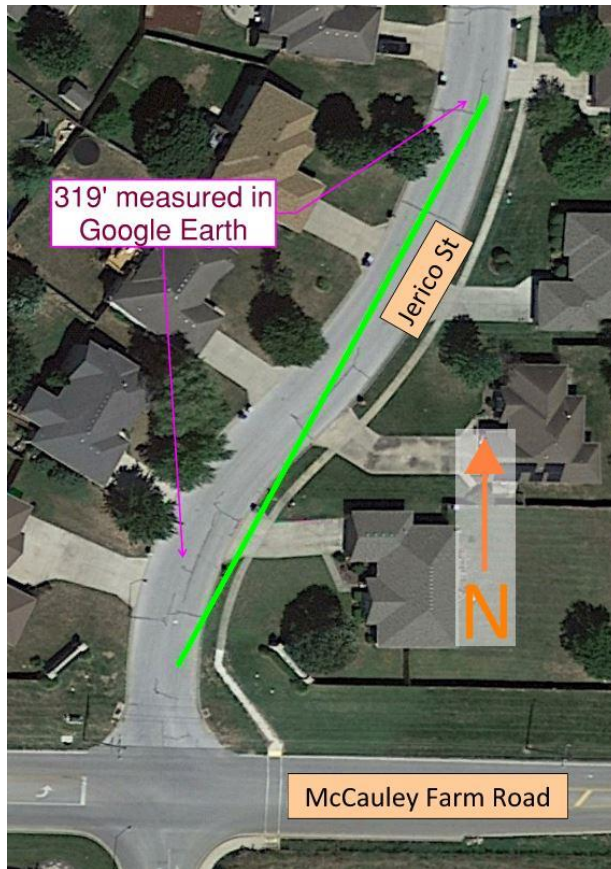


Figure 13: Sight Distance Images - NB Near McCauley Farm Road



Works Cited

American Association of State Highway and Transportation Officials (AASHTO)
A Policy on Geometric Design of Highways and Streets (The Green Book)
2018, 7th Edition

Crosswalk Marking Research

Crosswalks: To Install or not to Install There is no Simple Answer

Colorado DOT

<https://www.codot.gov/safety/traffic-safety/assets/safety-circuit-rider/crosswalks>

Development of Guidelines for the Installation of Marked Crosswalks

Virginia Research Transportation Council, a report for the Virginia DOT

https://nacto.org/docs/usdg/guidelines_for_installation_marked_crosswalks_dougald.pdf

Guidelines for the Installation of Crosswalk Markings

Transportation Research Record 1141

<https://onlinepubs.trb.org/Onlinepubs/trr/1987/1141/1141-003.pdf>

Google Earth

Nixa, MO. Images retrieved April 2022.

Missouri Department of Transportation

Engineering Policy Guide (EPG)

https://epg.modot.org/index.php/Main_Page

MoDOT Data Zone

<http://modatazone.modot.org/>

Crash Data

<https://datazoneapps.modot.mo.gov/bi/apps/crashes>





Providing Transportation and Engineering Solutions

5051 S. National, Ste. 7A
Springfield, MO 65810
Phone: 417.889.3400
Fax: 417.889.3402
www.GoCJW.com

Jeff Roussell
Street Superintendent
City of Nixa
715 W. Mt. Vernon
Nixa, Missouri 65714
417-725-2353

RE: Review of Speed Data for Jerico Street

Dear Mr Roussell,

CJW Transportation Consultants LLC has conducted a review of the Traffic Data collected by the City of Nixa on Jerico Street, North of Welch, and South of Welch Street Nixa, Missouri. Based upon the information provided the follow was found:

Street	50 th Percentile (MPH)		85 th Percentile (MPH)	
	NB	SB	NB	SB
Jerico – North of Welch	19	20	23	24
Jerico – South of Welch	22	26	27	31

It is industry practice to set the speed limit based on the 85th Percentile Speed. Therefore it would be our recommendation, based upon the data provided, industry practice, and review of the roadway to set the Speed Limit at 25 MPH. If you have any additional questions please let me know.

Sincerely,



Dane Seiler, PE
President
CJW Transportation Consultants, LLC

CJW Transportation Consultants, LLC

Providing Transportation and Engineering Solutions

2014	Total ADT	50th Percentile	85th Percentile	95th percentile	Mean
South	132	16	23	25	16
North	83	14	21	22	14

2016	Total ADT	50th Percentile	85th Percentile	95th percentile	Mean
North	792	20	26	29	21

2018	Total ADT	50th Percentile	85th Percentile	95th percentile	Mean
South NB	351	22	27	29	18
South SB	380	26	31	34	26
North NB	229	20	24	27	20
North SB	193	19	23	25	19

In 2018 we have the capacity to track both directions from each counter.

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Vol

Site Code: 00001236
 Station ID: **JERICHO S of Welch**
 Latitude: 0' 0.0000 South



Start Time	29-May-18 Tue	Direction 1	Direction 2	Total
12:00 AM		*	*	*
01:00		*	*	*
02:00		*	*	*
03:00		*	*	*
04:00		*	*	*
05:00		*	*	*
06:00		*	*	*
07:00		*	*	*
08:00		*	*	*
09:00		*	*	*
10:00		*	*	*
11:00		*	*	*
12:00 PM		*	*	*
01:00		*	*	*
02:00		*	*	*
03:00		30	21	51
04:00		32	20	52
05:00		42	28	70
06:00		36	23	59
07:00		23	27	50
08:00		26	17	43
09:00		19	15	34
10:00		16	4	20
11:00		7	4	11
Total		231	159	390
Percent		59.2%	40.8%	
AM Peak	-	-	-	-
Vol.	-	-	-	-
PM Peak	-	17:00	17:00	17:00
Vol.	-	42	28	70

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001236
 Station ID:

Latitude: 0' 0.0000 South

Start Time	30-May-18 Wed	Direction 1	Direction 2							Total
12:00 AM		4	0							4
01:00		0	0							0
02:00		0	0							0
03:00		0	0							0
04:00		0	0							0
05:00		2	1							3
06:00		0	4							4
07:00		3	24							27
08:00		16	64							80
09:00		11	22							33
10:00		10	18							28
11:00		14	23							37
12:00 PM		25	35							60
01:00		30	16							46
02:00		5	14							19
03:00		*	*							*
04:00		*	*							*
05:00		*	*							*
06:00		*	*							*
07:00		*	*							*
08:00		*	*							*
09:00		*	*							*
10:00		*	*							*
11:00		*	*							*
Total		120	221							341
Percent		35.2%	64.8%							
AM Peak	-	08:00	08:00	-	-	-	-	-	-	08:00
Vol.	-	16	64	-	-	-	-	-	-	80
PM Peak	-	13:00	12:00	-	-	-	-	-	-	12:00
Vol.	-	30	35	-	-	-	-	-	-	60
Grand Total		351	380							731
Percent		48.0%	52.0%							

ADT

ADT 731

AADT 731

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001236
 Station ID:
 N Jerico South of Welch 05-2018

SPEED

Latitude: 0' 0.0000 Undefined

Direction 1	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	999	Total			
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999	Total				
05/29/18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
01:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
04:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
05:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
06:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
07:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
08:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
09:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 PM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15:00	0	0	0	1	1	6	6	7	3	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
16:00	1	0	0	2	1	5	5	8	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
17:00	0	1	0	2	3	3	7	9	6	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
18:00	0	0	2	1	4	3	6	6	4	5	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
19:00	2	0	1	1	1	4	3	3	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
20:00	1	0	1	0	4	2	2	2	6	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
21:00	0	1	0	1	1	4	1	4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
22:00	0	1	0	1	1	4	2	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
23:00	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	4	3	4	9	16	31	34	44	33	30	14	6	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	231	

Dir 1 - N

Dir 2 - S

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001236
 Station ID:
 N Jerico South of Welch 05-2018

Latitude: 0' 0.0000 Undefined

Direction 1	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	Total	
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999		
05/30/18	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	0	0	1	1	2	2	2	3	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
09:00	0	0	0	1	1	0	1	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
10:00	0	0	1	0	0	1	0	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
11:00	1	0	0	1	0	1	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
12 PM	0	2	0	0	3	5	4	2	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
13:00	0	0	1	1	0	5	4	6	5	2	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	1	2	2	4	5	15	19	24	18	9	8	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115

Gr. Total	5	5	6	13	21	46	53	68	51	39	22	9	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346
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Stats

15th Percentile : 18 MPH
 50th Percentile : 22 MPH
 85th Percentile : 27 MPH
 95th Percentile : 29 MPH

Mean Speed(Average) : 23 MPH
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001236
 Station ID:
 N Jerico South of Welch 05-2018

Latitude: 0' 0.0000 Undefined

Direction 2	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	Total
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999	
05/30/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	1	1	1	4	4	4	1	2	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	1	0	1	6	10	8	4	14	2	8	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	1	0	0	1	0	0	4	2	6	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	1	0	1	2	3	1	6	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	1	0	1	2	2	3	3	2	3	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	0	0	2	1	2	3	7	2	0	4	10	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	0	0	0	1	2	2	0	0	2	1	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	2	4	5	10	18	25	23	15	31	30	20	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	207
Gr. Total	2	2	5	13	15	37	36	39	33	53	47	40	25	15	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	366

Stats
 15th Percentile : 18 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH
 Mean Speed(Average) : 26 MPH
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

26 MPH

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001235
 Station ID:
 N Jerico North of Welch 05-2018
 Latitude: 0' 0.0000 Undefined

S ↑ N ↑ Vol

Start Time	29-May-18 Tue	Direction 1	Direction 2	Total
12:00 AM		*	*	*
01:00		*	*	*
02:00		*	*	*
03:00		*	*	*
04:00		*	*	*
05:00		*	*	*
06:00		*	*	*
07:00		*	*	*
08:00		*	*	*
09:00		*	*	*
10:00		*	*	*
11:00		*	*	*
12:00 PM		*	*	*
01:00		*	*	*
02:00		9	9	18
03:00		14	15	29
04:00		9	16	25
05:00		14	20	34
06:00		20	18	38
07:00		10	11	21
08:00		11	15	26
09:00		9	6	15
10:00		3	7	10
11:00		3	5	8
Total		102	122	224
Percent		45.5%	54.5%	
AM Peak	-	-	-	-
Vol.	-	-	-	-
PM Peak	-	18:00	17:00	18:00
Vol.	-	20	20	38

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001235
 Station ID:
 N Jerico North of Welch 05-2018
 Latitude: 0' 0.0000 Undefined

Start Time	30-May-18 Wed	Direction 1	Direction 2							Total
12:00 AM		0	2							2
01:00		0	0							0
02:00		0	0							0
03:00		0	0							0
04:00		0	1							1
05:00		1	2							3
06:00		2	1							3
07:00		4	7							11
08:00		20	10							30
09:00		11	10							21
10:00		12	7							19
11:00		10	14							24
12:00 PM		8	13							21
01:00		11	16							27
02:00		12	24							36
03:00		*	*							*
04:00		*	*							*
05:00		*	*							*
06:00		*	*							*
07:00		*	*							*
08:00		*	*							*
09:00		*	*							*
10:00		*	*							*
11:00		*	*							*
Total		91	107							198
Percent		46.0%	54.0%							
AM Peak	-	08:00	11:00	-	-	-	-	-	-	08:00
Vol.	-	20	14	-	-	-	-	-	-	30
PM Peak	-	14:00	14:00	-	-	-	-	-	-	14:00
Vol.	-	12	24	-	-	-	-	-	-	36
Grand Total		193	229							422
Percent		45.7%	54.3%							
ADT		ADT 395	AADT 395							

City of Nixa
1111 W Kathryn
Nixa, Missouri.65714

SPEED

Site Code: 00001235
Station ID:
N Jerico North of Welch 05-2018

Latitude: 0' 0.0000 Undefined

Direction 1	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	999	Total			
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999	Total				
05/29/18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
01:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
04:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
05:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
06:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
07:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
08:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
09:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 PM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14:00	1	0	2	1	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
15:00	0	0	2	1	1	1	4	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
16:00	0	0	0	1	1	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
17:00	0	0	0	3	3	1	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
18:00	1	1	0	3	2	1	3	3	3	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
19:00	0	0	0	3	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
20:00	0	1	1	1	0	2	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
21:00	1	1	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	3	5	10	15	9	9	22	17	7	1	0	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102

Dir 1 - S
Dir 2 - N

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001235
 Station ID:
 N Jerico North of Welch 05-2018

Latitude: 0' 0.0000 Undefined

Direction 1	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	Total
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999	Total
05/30/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
08:00	0	0	0	1	8	2	2	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
09:00	0	0	1	0	1	3	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
10:00	0	1	3	1	3	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
11:00	1	1	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
12 PM	0	0	1	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
13:00	0	0	0	3	2	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
14:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	1	3	5	6	21	13	15	7	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	
Gr. Total	4	8	15	21	30	22	37	24	12	2	2	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	181	

Stats

15th Percentile :	14 MPH
50th Percentile :	19 MPH
85th Percentile :	23 MPH
95th Percentile :	25 MPH
Mean Speed(Average) :	19 MPH
Number of Vehicles > 55 MPH :	0
Percent of Vehicles > 55 MPH :	0.0%

City of Nixa
 1111 W Kathryn
 Nixa, Missouri.65714

Site Code: 00001235
 Station ID:
 N Jerico North of Welch 05-2018

Latitude: 0' 0.0000 Undefined

Direction 2	1	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	Total	
Start Time	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	999		
05/30/18	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
05:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
06:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
07:00	0	0	0	0	3	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
08:00	0	0	2	1	0	0	2	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
09:00	0	0	1	2	2	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
10:00	0	1	1	1	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	
11:00	0	0	3	2	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
12 PM	0	0	1	2	0	3	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
13:00	1	0	1	1	1	3	2	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.	
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
Total	1	1	9	10	10	13	10	12	7	6	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	
Gr. Total	2	4	18	23	23	29	37	28	24	9	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	205	

Stats
 15th Percentile : 14 MPH
 50th Percentile : 20 MPH
 85th Percentile : 24 MPH
 95th Percentile : 27 MPH
 Mean Speed(Average) : 20 MPH
 Number of Vehicles > 55 MPH : 1
 Percent of Vehicles > 55 MPH : 0.5%

20 MPH