



**Highway Attachment - Traffic Counts and Accident History**

Tempe, Arizona

HWY18MH010

(17 pages)

## Rayburn David S.

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**From:** Horstman, Steven [REDACTED]  
**Sent:** Thursday, April 26, 2018 11:07 AM  
**To:** Rayburn David S.  
**Subject:** RE: Request for Crash History  
**Attachments:** NB Mill Ave Typical Sections.pdf; 2nd Mill Ave Bridge General Plan and Profile.pdf; Mill Ave Bridge Approach Landscape.pdf; NB Mill Ave Lighting.pdf; NB Mill Ave Plan and Profile.pdf; Work Order 42-09.pdf

Hi David, I've been out of the office quite a bit this last week and haven't had a chance to call you back. I am attaching the information that I have so far, and making a note next to the item on your email below. Please take a look and let me know if you have any questions.

Thanks,

Steven Horstman - Traffic Engineering Analyst  
Transportation Studies and Design  
Mail Stop 04-1, PO BOX 5002, Tempe, AZ 85280-5002  
[REDACTED]

**From:** Rayburn David S. [REDACTED]  
**Sent:** Tuesday, March 27, 2018 2:53 PM  
**To:** Horstman, Steven [REDACTED]  
**Cc:** Marshall Rafael [REDACTED]; Pereira David [REDACTED]; Morrison Jennifer [REDACTED]  
**Subject:** Request for Crash History

Hello Mr. Horstman,

The National Transportation Safety Board is conducting an investigation into last weeks fatal pedestrian crash on Mill Ave. involving the Uber vehicle. As part of our investigation I am requesting the following items from the City of Tempe Transportation Division:

1. A 10 year crash History of Pedestrian accidents on Mill Avenue from Curry Road back 750 feet south of the intersection. **There have been no reported pedestrian crashes at or near the intersection of Mill Avenue and Curry Road in the last 10 years. The nearest crashes occurred at Mill Avenue and Rio Salado Parkway.**
2. Copies of accident reports for any fatal crashes occurring during this time frame. **No crash reports.**
3. Statistics on pedestrian collisions for the entire city over the last three years. **I'm putting these together and should have them done soon**
4. Any special programs the City has to increase pedestrian Safety. **The city has a Vision Zero program, which is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all. <https://data.tempe.gov/showcase/vision-zero> I've contacted the Tempe Police Department and asked about any safety campaigns they may be running and I'm waiting for a response.**
5. A copy of the plan and profile engineering sheets for this segment of roadway. **See attached sheets from as-built plans.**
6. Signing plan for this segment which shows the signs (and locations) prohibiting pedestrian movements into the roadway at this location. Also a justification for the signage ( I'm assuming pedestrian accidents or crossings was

becoming a problem at some point), so just a statement indicating why the signs were placed. I've attached a copy of a work order that shows the locations of the signs that prohibit pedestrian crossing. Just prior to the signs being installed, the city had replaced the removable concrete curbs and replaced them with permanent vertical curb and gutter. A Tempe police officer asked for the signs and stated that he had seen pedestrians crossing there. The intention of the original removable curbs was to allow diversion of traffic if one of the bridges was closed but we were having problems with the curbs being moved.

7. Plans showing the placement of the Highway Safety Lighting at the accident location and a description of the lighting equipment. As-built plans are attached. There are 250 Watt High Pressure Sodium lights on 32' poles near the location of the crash.
8. A description of the roadway with improvements over the last decade. I'm still researching this but it appears that the replacement of the curbs and installation of the signs prohibiting pedestrian crossings are the only changes in the last 10 years.
9. Enforcement history over the last year for which records are available. What I'm looking for is the number of citations written by the police for jaywalking or disregarding the sign requiring crossing at the crosswalk. Tempe Police Department is working on this.

I'm sure some of these items will have to go to other areas of the Transportation Division or other City Departments so feel free to forward this request to whomever can satisfy the information needed. Also, if the Transportation Division would like to become an Official Party to the NTSB investigation let me know and I'll have Mrs. Jennifer Morrison, the NTSB Investigator-in-Charge contact you.

Please Call me at [REDACTED] if you have any questions concerning this request.

Best Regards,

David S. Rayburn  
Senior Accident Investigator (Highway Factors)  
National Transportation Safety Board  
P.O. Box 714  
Point Blank, Texas 77364  
[REDACTED]

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## Rayburn David S.

**From:** Horstman, Steven [REDACTED] >  
**Sent:** Thursday, May 31, 2018 2:56 PM  
**To:** Seyler, Shelly; Rayburn David S.  
**Cc:** Dresang, Julian  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)  
**Attachments:** Traffic Volume Mill Ave btwn Curry Rd and Rio Salado (nbsb) 2016.xlsx; Traffic Volume Mill Ave btwn Curry Rd and Rio Salado (nbsb) 2018.xlsx

I'm attaching traffic counts from 2016 and 2018 for this location. Please let me know if you have any questions.

Also, ADOT just released crash data for November and December of 2017, so I have the latest three complete years of data for crashes involving pedestrians in Tempe. Do you just want summaries like what I have below (all ped crashes in Tempe between 2015 and 2017) or do you need a report with location, date, time, severity, etc.?

Injury Severity by Year						
	No Injury	Possible Injury	Non Incapacitating Injury	Incapacitating Injury	Fatal	Total:
2015	2	10	30	9	3	54
2016	5	20	32	14	3	74
2017	4	16	25	9	7	61
Total:	11	46	87	32	13	189

Lighting vs Injury Severity					
	No Injury	Possible Injury	Non Incapacitating Injury	Incapacitating Injury	Fatal
Daylight	4	24	56	11	3
Dusk	0	2	2	1	1
Dark Lighted	7	19	27	19	8
Dark Not Lighted	0	1	2	1	0
Dark Unknown Lighting	0	0	0	0	1
Total:	11	46	87	32	13

Junction Relation Vs Injury Severity					
	No Injury	Possible Injury	Non Incapacitating Injury	Incapacitating Injury	Fatal
Not Junction Related	4	16	23	17	11
Intersection Non Interchange	0	3	7	1	0
Intersection Related Non Interchange	6	22	44	11	1
Driveway	1	2	7	1	0
Intersection Interchange	0	0	0	1	0
Intersection Related Interchange	0	2	3	0	0
Entrance Exit Ramp Interchange	0	1	3	1	1
Total:	11	46	87	32	13

Injury Severity by Month					
	No Injury	Possible Injury	Non Incapacitating Injury	Incapacitating Injury	Fatal

Jan	1	7	15	2	0
Feb	1	3	12	3	2
Mar	0	7	8	3	1
Apr	0	3	6	1	2
May	2	4	4	4	1
Jun	0	0	8	1	2
Jul	3	2	3	4	1
Aug	0	2	5	6	0
Sep	0	0	8	2	0
Oct	1	6	5	3	0
Nov	1	6	10	3	2
Dec	2	6	3	0	2
Total:	11	46	87	32	13

Severity by Time of Day						
	No Injury	Possible Injury	Non Incapacitating Injury	Incapacitating Injury	Fatal	Total:
12:00 AM	0	1	2	3	0	6
1:00 AM	0	1	2	0	0	3
2:00 AM	0	1	0	1	0	2
3:00 AM	0	0	2	1	0	3
4:00 AM	0	0	0	0	0	0
5:00 AM	0	1	2	1	0	4
6:00 AM	0	1	5	0	0	6
7:00 AM	1	2	2	1	0	6
8:00 AM	0	2	4	2	0	8
9:00 AM	0	2	1	0	0	3
10:00 AM	0	3	5	1	1	10
11:00 AM	0	3	6	1	0	10
12:00 PM	0	3	2	0	0	5
1:00 PM	1	3	7	2	1	14
2:00 PM	0	0	5	2	0	7
3:00 PM	0	2	4	1	1	8
4:00 PM	0	4	6	0	0	10
5:00 PM	2	1	11	2	0	16
6:00 PM	2	3	7	1	1	14
7:00 PM	0	3	3	3	2	11
8:00 PM	2	3	3	2	1	11
9:00 PM	1	5	2	0	3	11
10:00 PM	1	0	4	3	1	9
11:00 PM	1	2	2	5	2	12
Total:	11	46	87	32	13	189

Thanks,  
Steve Horstman

**From:** Seyler, Shelly  
**Sent:** Wednesday, May 30, 2018 11:52 AM  
**To:** Rayburn David S. [REDACTED]



Cc: Horstman, Steven [REDACTED] >; Dresang, Julian [REDACTED] >  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Hi David –

I just looked on our website and it looks like there was a count taken in March of 2018 with an ADT of 16,813 (9235 S/B & 7578 N/B). I don't have the xls file; however if you need it we can locate it.

As for the pedestrian count, let's see what we can get this summer. I'm not sure if the travel patterns change with our homeless population and it being so warm or not. If needed we could take a count now and then in the fall. How long of a period of time (hours of the day) are you looking for?

Shelly

**From:** Rayburn David S. [REDACTED]  
**Sent:** Wednesday, May 30, 2018 10:27 AM  
**To:** Seyler, Shelly <[REDACTED]>  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Hello Shelly,

Thanks for returning my e-mail. If you think the count that I downloaded off your website is accurate we can forgo a vehicle count. I'm guessing most of the pedestrians crossing here are homeless people so that wouldn't be affected by the school population. But if I'm not correct and you think students illegally cross in this area a lot then we could wait until September to do the pedestrian count. Let me know what you think would be the best way to proceed.

David

**From:** Seyler, Shelly [REDACTED]  
**Sent:** Wednesday, May 30, 2018 12:20 PM  
**To:** Rayburn David S. <[REDACTED]>; Horstman, Steven [REDACTED] >; Dresang, Julian [REDACTED] >  
**Cc:** Morrison Jennifer <[REDACTED]>; Seyler, Shelly [REDACTED]  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Hi David,

You probably received Julian's out of office notice. I thought I would email you as I know Julian and I will both have the same question. Do you want us to conduct the count over the summer time when we see significant changes (decreases) in the volume of traffic? Because of schools being out including ASU, we do not typically conduct counts during the summer and wait at least 2-3 weeks into the first semester at ASU to perform any counts.

We can also review our files for any counts we might have that were performed by a consultant.

Thanks,

Shelly Seyler, PE, PTOE  
Deputy Public Works Director ~  
Transportation and Traffic Engineering Division

City of Tempe ~ 200 East Fifth Street ~ Tempe AZ 85281

[REDACTED]

**From:** Rayburn David S. [REDACTED]  
**Sent:** Wednesday, May 30, 2018 10:09 AM  
**To:** Horstman, Steven <[REDACTED]>; Dresang, Julian <[REDACTED]>; Seyler, Shelly <[REDACTED]>  
**Cc:** Morrison Jennifer [REDACTED]  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Julian,

As part of our investigation we need some accurate traffic counts. I was looking on your website and the closest counts to the accident location showed the ADT was 15,577 vehicles a day on Mill Ave. If you think that is a reasonably accurate number just drop me a note saying so. If not could you do another traffic count on Mill Ave. between Washington and the overhead bridge (Hwy 202). Also, even though pedestrians are prohibited from crossing in the area, our investigators saw quite a bit of foot traffic when they were on-scene. Can you perform a pedestrian count in the area where the pedestrian was hit? If you can't I will come out and do one. I was thinking you might have a summer intern that could do it for you. Please let me know if you can accomplish these things. I'll be coming out to Tempe in two-three weeks to introduce myself and follow up on a few things.

Best Regards

David S. Rayburn  
Senior Accident Investigator  
NTSB  
[REDACTED]

**From:** Horstman, Steven <[REDACTED]>  
**Sent:** Thursday, May 17, 2018 9:57 AM  
**To:** Dresang, Julian <[REDACTED]>; Seyler, Shelly [REDACTED]  
**Cc:** Morrison Jennifer [REDACTED]; Rayburn David S. [REDACTED]  
**Subject:** Re: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash

Julian and Shelly, please see the attached email from the NTSB.

Thanks,  
Steve

On May 16, 2018, at 1:12 PM, Rayburn David S. <[REDACTED]> wrote:

Steven,

Please notify the Tempe City Traffic Engineer that the NTSB will release this preliminary report some time in the next week. Before the public release we will send you a courtesy copy. Please copy me and Ms. Morrison on the email you send to the City Engineer so she may contact them directly.

Thank you

David S. Rayburn  
NTSB



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Traffic Research & Analysis, Inc.  
 3844 East Indian School Road  
 Phoenix, AZ 85018

Client: Tempe  
 File Number: 1602157  
 Route: N MILL AVE  
 Location: Btwn E CURRY RD & E RIO SALADO PKWY

Site Ref: 17  
 Direction: NB  
 Latitude: 33.4302  
 Longitude: -111.9399

Count Date		3/23/2016																Average			
Count Time	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM			
00:00	34	135																	34	135	
00:15	16	127																	16	127	
00:30	26	129																	26	129	
00:45	20	122																	20	122	
01:00	19	124																	19	124	
01:15	15	157																	15	157	
01:30	13	167																	13	167	
01:45	22	117																	22	117	
02:00	15	126																	15	126	
02:15	10	114																	10	114	
02:30	16	138																	16	138	
02:45	12	121																	12	121	
03:00	11	136																	11	136	
03:15	8	138																	8	138	
03:30	4	146																	4	146	
03:45	7	128																	7	128	
04:00	10	178																	10	178	
04:15	9	190																	9	190	
04:30	6	209																	6	209	
04:45	5	211																	5	211	
05:00	9	227																	9	227	
05:15	6	235																	6	235	
05:30	12	230																	12	230	
05:45	28	179																	28	179	
06:00	36	173																	36	173	
06:15	47	154																	47	154	
06:30	44	136																	44	136	
06:45	63	134																	63	134	
07:00	63	130																	63	130	
07:15	94	158																	94	158	
07:30	142	125																	142	125	
07:45	116	114																	116	114	
08:00	104	100																	104	100	
08:15	95	91																	95	91	
08:30	86	75																	86	75	
08:45	96	79																	96	79	
09:00	79	89																	79	89	
09:15	75	72																	75	72	
09:30	75	71																	75	71	
09:45	65	66																	65	66	
10:00	82	64																	82	64	
10:15	90	51																	90	51	
10:30	84	46																	84	46	
10:45	72	49																	72	49	
11:00	95	67																	95	67	
11:15	98	50																	98	50	
11:30	88	48																	88	48	
11:45	115	26																	115	26	
<b>Totals</b>	<b>2337</b>	<b>5952</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2337</b>	<b>5952</b>	
<b>Day Total</b>	<b>8289</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8289</b>		
<b>AM Pct</b>	<b>28.2%</b>																		<b>28.2%</b>		
Peak Hour	11:45	16:45																	11:45	16:45	
Peak Volume	506	903																	506	903	
P.H.F	0.9370	0.9606																	0.9370	0.9606	

Prepared by: Field Data Services of Arizona/Veracity Traffic Group

Volumes for: Tuesday, June 19, 2018

City: Tempe

Project #: 18-1290-001

Location: NB lanes of Mill Ave. approaching Washington St.

AM Period	PEDESTRIAN		BICYCLES		PM Period	PEDESTRIAN		BICYCLES	
	EB	WB	EB	WB		EB	WB	EB	WB
00:00	0	0	0	0	12:00	0	0	0	0
00:15	0	0	0	0	12:15	0	0	0	0
00:30	0	0	0	0	12:30	1	0	0	0
00:45	0	0	0	0	12:45	0	1	0	0
01:00	0	0	0	0	13:00	0	0	0	0
01:15	0	0	0	0	13:15	0	0	0	0
01:30	0	0	0	0	13:30	0	0	0	0
01:45	0	0	0	0	13:45	0	0	0	0
02:00	0	0	0	0	14:00	0	0	0	0
02:15	0	0	0	0	14:15	0	0	0	0
02:30	0	0	0	0	14:30	0	0	0	0
02:45	0	0	0	0	14:45	0	0	0	0
03:00	0	0	0	0	15:00	0	0	0	0
03:15	0	0	0	0	15:15	0	0	0	0
03:30	0	1	0	0	15:30	0	0	0	0
03:45	1	1	2	0	15:45	0	0	0	0
04:00	0	0	0	0	16:00	1	0	1	0
04:15	0	0	0	0	16:15	0	0	0	0
04:30	0	0	0	0	16:30	0	0	0	1
04:45	0	0	0	0	16:45	0	1	0	1
05:00	0	0	1	0	17:00	0	0	0	0
05:15	0	0	0	0	17:15	0	1	0	0
05:30	0	0	0	0	17:30	0	0	0	0
05:45	0	0	0	1	17:45	0	0	1	0
06:00	0	0	0	0	18:00	0	0	0	0
06:15	0	0	0	0	18:15	0	0	0	0
06:30	0	0	0	1	18:30	0	5	0	0
06:45	0	0	0	0	18:45	0	0	5	10
07:00	0	0	0	0	19:00	0	1	0	0
07:15	0	0	0	1	19:15	0	3	0	0
07:30	0	0	0	0	19:30	0	1	0	0
07:45	0	0	0	0	19:45	0	0	5	10
08:00	0	0	0	0	20:00	0	7	0	0
08:15	0	0	0	0	20:15	0	0	0	2
08:30	0	1	0	0	20:30	1	1	0	0
08:45	0	0	1	2	20:45	0	1	0	8
09:00	0	0	0	0	21:00	2	0	0	0
09:15	1	0	0	0	21:15	1	0	0	0
09:30	0	0	0	0	21:30	0	0	0	0
09:45	0	1	0	0	21:45	0	3	0	0
10:00	0	0	0	0	22:00	0	0	1	0
10:15	0	0	0	0	22:15	0	0	0	0
10:30	0	0	0	0	22:30	0	1	0	1
10:45	0	0	0	0	22:45	13	13	0	1
11:00	0	0	0	0	23:00	4	0	1	0
11:15	0	0	0	0	23:15	1	3	0	0
11:30	0	0	0	0	23:30	1	2	0	0
11:45	0	0	0	0	23:45	0	6	0	5

Total Vol. 2 4 1 2 9

25	35	3	6	69
PEDESTRIAN		BICYCLES		Combined
EB	WB	EB	WB	
27	39	4	8	78

Split %	AM				
	22.2%	44.4%	11.1%	22.2%	11.5%
Peak Hour	03:00	03:00	04:15	06:30	03:00
Volume	1	2	1	2	3
P.H.F.	0.25	0.50	0.25	0.50	0.38

Split %	PM				
	36.2%	50.7%	4.3%	8.7%	88.5%
Peak Hour	22:45	19:15	15:15	19:30	22:45
Volume	19	16	1	3	25
P.H.F.	0.37	0.57	0.25	0.38	0.48

## Rayburn David S.

---

**From:** Seyler, Shelly [REDACTED]  
**Sent:** Thursday, July 5, 2018 11:24 AM  
**To:** Rayburn David S.  
**Cc:** Dresang, Julian  
**Subject:** FW: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)  
**Attachments:** DSMT Decashield.pdf

Hi David,

I got with our lighting coordinator and he confirmed the fixture is a 250 Watt HPS fixture which when new provides a 30,000 lumen output. I've attached the spec sheet for the fixture. We do not have any maintenance records for the pole in question as it was not identified as a specific asset in our system with a unique identifier. Although maintenance was done since it was installed because it does not have an asset number we are unable to do a specific search on it.

Also, as requested, below are the two Arizona Statutes you requested.

### 28-793. Crossing at other than crosswalk

- A. A pedestrian crossing a roadway at any point other than within a marked crosswalk or within an unmarked crosswalk at an intersection shall yield the right-of-way to all vehicles on the roadway.
- B. A pedestrian crossing a roadway at a point where a pedestrian tunnel or overhead pedestrian crossing has been provided shall yield the right-of-way to all vehicles on the roadway.
- C. Between adjacent intersections at which traffic control signals are in operation, pedestrians shall not cross at any place except in a marked crosswalk.

### 28-963. Image display device; prohibition; exceptions; definition

- A. A person shall not view a broadcast television image or a visual image from an image display device while that person is driving a motor vehicle and the motor vehicle is in motion on a public roadway or on an off-highway vehicle trail as defined in section 28-1171.
- B. A person shall not operate a motor vehicle with an image display device that is visible to a driver seated in a normal driving position when the vehicle is in motion.

Please let me know if you have any additional questions.

Thanks, Shelly

**From:** Rayburn David S. [REDACTED]  
**Sent:** Wednesday, May 30, 2018 11:57 AM  
**To:** Seyler, Shelly <[REDACTED]>  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Thanks Shelly,

That will be good for the vehicle count. If I had to do it I'd probably do six hours in daylight and 4 in the evening; probably 8pm until midnight.

David

**From:** Seyler, Shelly [REDACTED] >  
**Sent:** Wednesday, May 30, 2018 1:52 PM  
**To:** Rayburn David S. [REDACTED] >  
**Cc:** Horstman, Steven <[REDACTED]>; Dresang, Julian [REDACTED]  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Hi David –

I just looked on our website and it looks like there was a count taken in March of 2018 with an ADT of 16,813 (9235 S/B & 7578 N/B). I don't have the xls file; however if you need it we can locate it.

As for the pedestrian count, let's see what we can get this summer. I'm not sure if the travel patterns change with our homeless population and it being so warm or not. If needed we could take a count now and then in the fall. How long of a period of time (hours of the day) are you looking for?

Shelly

**From:** Rayburn David S. [REDACTED]  
**Sent:** Wednesday, May 30, 2018 10:27 AM  
**To:** Seyler, Shelly <[REDACTED]>  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Hello Shelly,

Thanks for returning my e-mail. If you think the count that I downloaded off your website is accurate we can forgo a vehicle count. I'm guessing most of the pedestrians crossing here are homeless people so that wouldn't be affected by the school population. But if I'm not correct and you think students illegally cross in this area a lot then we could wait until September to do the pedestrian count. Let me know what you think would be the best way to proceed.

David

**From:** Seyler, Shelly <[REDACTED]>  
**Sent:** Wednesday, May 30, 2018 12:20 PM  
**To:** Rayburn David S. [REDACTED]; Horstman, Steven <[REDACTED]>; [REDACTED] Dresang, Julian <[REDACTED]>  
**Cc:** Morrison Jennifer <[REDACTED]>; Seyler, Shelly <[REDACTED]>  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)



Hi David,

You probably received Julian's out of office notice. I thought I would email you as I know Julian and I will both have the same question. Do you want us to conduct the count over the summer time when we see significant changes (decreases) in the volume of traffic? Because of schools being out including ASU, we do not typically conduct counts during the summer and wait at least 2-3 weeks into the first semester at ASU to perform any counts.

We can also review our files for any counts we might have that were performed by a consultant.

Thanks,

Shelly Seyler, PE, PTOE  
Deputy Public Works Director ~  
Transportation and Traffic Engineering Division  
City of Tempe ~ 200 East Fifth Street ~ Tempe AZ 85281

**From:** Rayburn David S. [REDACTED]  
**Sent:** Wednesday, May 30, 2018 10:09 AM  
**To:** Horstman, Steven [REDACTED]; Dresang, Julian <[REDACTED]>; Seyler, Shelly [REDACTED]  
**Cc:** Morrison Jennifer [REDACTED]  
**Subject:** RE: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash (Traffic Counts needed)

Julian,

As part of our investigation we need some accurate traffic counts. I was looking on your website and the closest counts to the accident location showed the ADT was 15,577 vehicles a day on Mill Ave. If you think that is a reasonably accurate number just drop me a note saying so. If not could you do another traffic count on Mill Ave. between Washington and the overhead bridge (Hwy 202). Also, even though pedestrians are prohibited from crossing in the area, our investigators saw quite a bit of foot traffic when they were on-scene. Can you perform a pedestrian count in the area where the pedestrian was hit? If you can't I will come out and do one. I was thinking you might have a summer intern that could do it for you. Please let me know if you can accomplish these things. I'll be coming out to Tempe in two-three weeks to introduce myself and follow up on a few things.

Best Regards

David S. Rayburn  
Senior Accident Investigator  
NTSB  
[REDACTED]

[REDACTED] Horstman, Steven <[REDACTED]>  
**Sent:** Thursday, May 17, 2018 9:57 AM  
**To:** Dresang, Julian <[REDACTED]> Seyler, Shelly [REDACTED]

Cc: Morrison Jennifer [REDACTED]; Rayburn David S. [REDACTED]

Subject: Re: Release of NTSB Preliminary Report on the Tempe/Uber Pedestrian Crash

Julian and Shelly, please see the attached email from the NTSB.

Thanks,  
Steve

On May 16, 2018, at 1:12 PM, Rayburn David S. <[REDACTED]> wrote:

Steven,

Please notify the Tempe City Traffic Engineer that the NTSB will release this preliminary report some time in the next week. Before the public release we will send you a courtesy copy. Please copy me and Ms. Morrison on the email you send to the City Engineer so she may contact them directly.

Thank you

David S. Rayburn  
NTSB  
[REDACTED]

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## Rayburn David S.

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**From:** Seyler, Shelly [REDACTED] >  
**Sent:** Monday, August 13, 2018 11:19 AM  
**To:** Rayburn David S.; Dresang, Julian  
**Cc:** Pereira David; Morrison Jennifer; Marshall Rafael  
**Subject:** RE: August NTSB meeting

Hi David,

I'm fairly certain we already collected video for the pedestrian count. Julian (copied here) should be able to provide the status of that.

Thanks, Shelly

**From:** Rayburn David S. [REDACTED]  
**Sent:** Monday, August 13, 2018 9:04 AM  
**To:** Seyler, Shelly <[REDACTED]>; Dresang, Julian [REDACTED]  
**Cc:** Pereira David [REDACTED]; Morrison Jennifer [REDACTED]; Marshall Rafael [REDACTED]  
**Subject:** RE: August NTSB meeting

Thank You Shelly. Also will you still be doing the pedestrian count when school starts up?

David

**From:** Seyler, Shelly <[REDACTED]>  
**Sent:** Monday, August 13, 2018 10:55 AM  
**To:** Dresang, Julian <[REDACTED]>; Rayburn David S. [REDACTED]  
**Subject:** RE: August NTSB meeting

Hi David,

Please see the following with regard to your questions:

1. The City of Tempe will be installing additional "NO PEDESTRIAN" signs.
2. The City of Tempe is still in the process of reviewing speed limits citywide. Initial indications point towards a speed limit reduction on Mill Avenue north of Rio Salado Pkwy. Any changes will not likely go into effect until later this year.

Thanks, Shelly

**From:** Rayburn David [REDACTED]  
[REDACTED] August 08, 2018 10:21 AM  
**To:** Seyler, Shelly <[REDACTED]>  
**Cc:** Pereira David <[REDACTED]>; Marshall Rafael <[REDACTED]>; Fox Michael <[REDACTED]>; Kaminski Ronald <[REDACTED]>  
**Subject:** August NTSB meeting

## Rayburn David S.

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**From:** Seyler, Shelly <shelly. [REDACTED]>  
**Sent:** Monday, August 13, 2018 10:55 AM  
**To:** Dresang, Julian; Rayburn David S.  
**Subject:** RE: August NTSB meeting

Hi David,

Please see the following with regard to your questions:

1. The City of Tempe will be installing additional "NO PEDESTRIAN" signs.
2. The City of Tempe is still in the process of reviewing speed limits citywide. Initial indications point towards a speed limit reduction on Mill Avenue north of Rio Salado Pkwy. Any changes will not likely go into effect until later this year.

Thanks, Shelly

**From:** Rayburn David S. < [REDACTED] >  
**Sent:** Wednesday, August 08, 2018 10:21 AM  
**To:** Seyler, Shelly < [REDACTED] >  
**Cc:** Pereira David < [REDACTED] >; Marshall Rafael < [REDACTED] >; Fox Michael < [REDACTED] >; Kaminski Ronald < [REDACTED] >  
**Subject:** August NTSB meeting

Shelly,

The Tempe investigative team has a work planning meeting scheduled for August 23. I wanted to check in with you to see what I may tell other participants at the meeting about any safety improvements in the accident area. I know you indicated you would probably install some double sided signs in case a pedestrian entered the area where he might not see the signage. And you brought up the idea that Tempe might keep the speed limit at 35 mph until the next intersection. Please let me know what to say about these items and about when will you do the Pedestrian count. Thanks again.

Best Regards

David Rayburn  
NTSB

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Shelly,

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Best Regards

David Rayburn

NTSB

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