

AGENDA

PARKING AND TRAFFIC COMMISSION

of the
CITY OF HANFORD

COUNCIL CHAMBERS
400 N. Douty St.
5:30 PM, Thursday, September 28, 2017

CALL TO ORDER

ROLL CALL

FLAG SALUTE

MINUTES APPROVAL

1. Approve Minutes from July, 27 2017 Parking & Traffic Meeting

PUBLIC COMMENT

*This is the time for citizens to comment on subject matters not on the agenda and that are within the jurisdiction of the Commission. A maximum of **three minutes** is allowed for each speaker. Please begin your comments by stating your name and providing your city of residence.*

STAFF REPORTS

2. Removal of (5) Mid-Block Crosswalks
3. Crosswalk Request - Hume Avenue at Echo Lane
4. Crosswalk Request - Fitzgerald Lane at Bristol Lane
5. Intersection Study at Monterey Avenue and Sidonia Street
6. Intersection Study - Douty Street at Center Street / Tenth Street

STAFF COMMUNICATION

7. Additional Parking - Tenth Street and Harris Street
8. Downtown Parking Study

9. City Council Actions

COMMISSIONERS ITEMS OF INTEREST

ADJOURNMENT

Materials related to an item on this Agenda submitted to the Parking & Traffic Commission after distribution of the agenda packet are available to public inspection in the Public Works Office located at 900 S. 10th Avenue, Hanford, California 93230, during normal business hours. Such documents are also available at the city's website, www.cityofhanfordca.com subject to staff's ability to post documents before the meeting.

If you need a disability-related modification or accommodation, including auxiliary aids or services, to participate in this meeting, please contact the Public Works office, 559-585-7166, 900 S. 10th Avenue, Hanford, California 93230, at least 2 days prior to the meeting {28 CFR 35.102.35.104 ADA Title II}



AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 1
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SUBJECT:

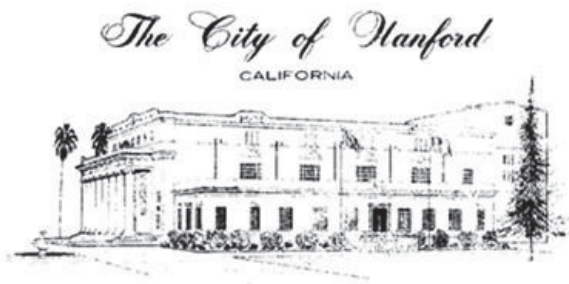
Approve Minutes from July, 27 2017 Parking & Traffic Meeting

RECOMMENDATION:

That the Parking & Traffic Commission, by motion, approve the July 27, 2017 Parking & Traffic Minutes.

FISCAL IMPACT:**ATTACHMENTS:**

7.27.17 minutes



MINUTES
PARKING AND TRAFFIC COMMISSION
of the
CITY OF HANFORD

COUNCIL CHAMBERS
400 N. Douty St.
5:30 PM, Thursday, July 27, 2017

CALL TO ORDER

Chairman DWIGGINS called the meeting to order at 5:30 pm.

ROLL CALL

Attendee Name	Title	Status	Arrived
Glenda Dwyer		Present	
James MacLellan		Absent	
Alex Dwiggins		Present	
Jeffrey Porterfield		Present	

Also in attendance:

Ed Woughter, Transportation Supervisor, Hanford Elementary School District

FLAG SALUTE

Chairman DWIGGINS led the flag salute.

MINUTES APPROVAL

1. Approve Minutes from April 27, 2017 Parking & Traffic Commission Meeting

Motion to accept the minutes.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Glenda Dwyer
SECONDER:	Jeffrey Porterfield
AYES:	Dwyer, Dwiggins, Porterfield
ABSENT:	MacLellan

PUBLIC COMMENT

Attachment: 7.27.17 minutes (Approve Minutes)

*This is the time for citizens to comment on subject matters not on the agenda and that are within the jurisdiction of the Commission. A maximum of **three minutes** is allowed for each speaker. Please begin your comments by stating your name and providing your city of residence.*

There were none given.

STAFF REPORTS

2. Suggested Routes to School, Hanford Elementary School District

Staff presented the Suggested Routes to School for Hanford Elementary School District for the upcoming 2017/2018 school year. Ed Woughter, Transportation Supervisor, Hanford Elementary School District answered questions from Commissioners.

Motion made to accept Suggested Routes to School for Hanford Elementary School District for the 2017/2018 school year.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Glenda Dwyer
SECONDER:	Jeffrey Porterfield
AYES:	Dwyer, Dwiggins, Porterfield
ABSENT:	MacLellan

3. Suggested Routes to School, Saint Rose-Thomas McCarthy Catholic School

Staff presented the Suggested Routes to School for Saint Rose-Thomas McCarthy Catholic School for the upcoming 2017/2018 school year.

Motion made to accept the Suggested Routes to School for Saint Rose-Thomas McCarthy Catholic School for the upcoming 2017/2018 school year.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Glenda Dwyer
SECONDER:	Jeffrey Porterfield
AYES:	Dwyer, Dwiggins, Porterfield
ABSENT:	MacLellan

STAFF COMMUNICATION

4. City Council Actions

Staff commented briefly on action of the City Council.

COMMISSIONERS ITEMS OF INTEREST

ADJOURNMENT

Chairman DWIGGINS motioned to adjourn the meeting at 6:11 pm.

Respectfully submitted,

Shawn Dailey, Secretary
Engineering Technician, II

Attachment: 7.27.17 minutes (Approve Minutes)



AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 2
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SUBJECT:

Removal of (5) Mid-Block Crosswalks

RECOMMENDATION

That the Parking and Traffic Commission, by motion, recommend to the City Council that five (5) mid-block crosswalks located in a two block area of downtown be removed. These crosswalks do not meet ADA requirements and due to obstructions, ADA ramps cannot be constructed.

This project involves removing current crosswalks, all striping, and signage.

BACKGROUND

Currently there are 5 non-ADA compliant mid-block crosswalks located within a 2 block area of downtown. There are 2 crosswalks located on Douty Street between Eight Street and Sixth Street, 2 located on Irwin Street between Eight Street and Sixth Street, and 1 located on Sixth Street east of Douty Street. These crosswalks are all currently located within 200 feet of a controlled intersection with marked crosswalks.

The mid-block crosswalks have various obstructions not allowing ADA ramps/improvements to be constructed:

1. The crosswalk located at the 200 block of Irwin Street has a drive approach on the west side and light post and utilities on the east side.
2. The crosswalk located at the 100 block of Irwin Street has a fire hydrant and a utility pole on the west side and light post, utility pole and a permanent structure on the east side.
3. The crosswalk on the 200 block of Douty Street has a fire hydrant on the west side and a light post on the east side.

4. The crosswalk at the 100 block of Douty Street has a light post, utility pole and drive approaches on the right and left of the crosswalk on the west side and a drive approach and permanent structure on the east side.
5. The crosswalk located on Sixth Street 200 feet east of Douty Street does not have a ramp on the north side. However it could be constructed in the sidewalk. The south side of the crosswalk lands in a drive approach.

Based on the recently updated Parking and Traffic Commission Guidelines for crosswalks, an intersection study was performed to evaluate the location.

The crosswalks are all located approximately 200' from the nearest controlled intersection where crosswalks are present. Upon approval of the crosswalk removal, pedestrians would be directed to cross at the nearest controlled intersection which provides protection to pedestrians.

The existing noted crosswalks do not meet ADA compliance. Based on the near locations to a compliant crosswalk at the intersections, staff is recommending that the mid-block crosswalks be eliminated. An exhibit of the locations of the crosswalks to be removed is attached.

Respectfully submitted,

Lisa Dock
Engineering Manager

FISCAL IMPACT:

ATTACHMENTS:
Crosswalk Locations

Mid-Block Crosswalks

Proposed to be removed

2.a



Attachment: Crosswalk Locations (Crosswalk Removals)

Google Earth

© 2017 Google

400 ft



Location 1



Location 1



Location 2



Location 2



Location 3



Location 3



Location 4



Location 4



Location 5





AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 3
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SUBJECT:

Crosswalk Request - Hume Avenue at Echo Lane

RECOMMENDATION

That a crosswalk not be placed on Hume Avenue at the intersection of Echo Lane

BACKGROUND

Staff received a request to install a crosswalk at the intersection of Hume Avenue and Echo Lane. It was stated that students are crossing at this intersection. To address this concern, staff conducted an intersection study of the location.

Hume Avenue is an east-west bound two-lane residential minor arterial street with a curb to curb width of 48 feet. This width is adequate for a single lane in each direction with room for street parking with Hume Avenue having the thru movement. Echo Lane is a two-lane residential street with a curb to curb width of 40 feet. This width is adequate for a single lane in each direction with room for street parking with Echo Lane having to stop.

The speed limit on Hume Avenue is 35 MPH and on Echo Lane it is prima facie 25 MPH. The 85th percentile speed on Hume Avenue is 39 MPH with the majority of the traffic volume being on Hume Avenue. In the last five years, there have been no accidents reported at the intersection. The sight stopping distance at the intersection is adequate for both streets.

There is 1 school in the vicinity located approximately 900 feet east of the intersection. Students from MLK School are provided a Suggested Routes to School map at the beginning of the school year which directs them to the crosswalk in front of the school on Hume Avenue and Dawn Lane (See attached route map.)

The warrant for a crosswalk was checked, and the intersection does not meet the four basic warrants based on the low pedestrian counts. A gap study was performed to determine the number of opportunities a pedestrian has to cross Hume Avenue in the morning and afternoon vehicle peak hours. Based on calculations, a pedestrian will take 12 seconds to cross Hume Avenue. The gap study shows that there are 6.8 opportunities in a 5 minute period during the peak vehicle hours for a pedestrian to safely cross the road.

Based on the crosswalk study not meeting the basic warrants, Staff recommends that no additional intersection controls be placed at this time. Attached is an aerial photo of the area, warrant for pedestrian crosswalks, and the entering volume/speed summary.

Respectfully submitted,

Shawn Dailey, Secretary
Engineering Technician, II

FISCAL IMPACT:

ATTACHMENTS:

Hume-Echo aerial

Volume

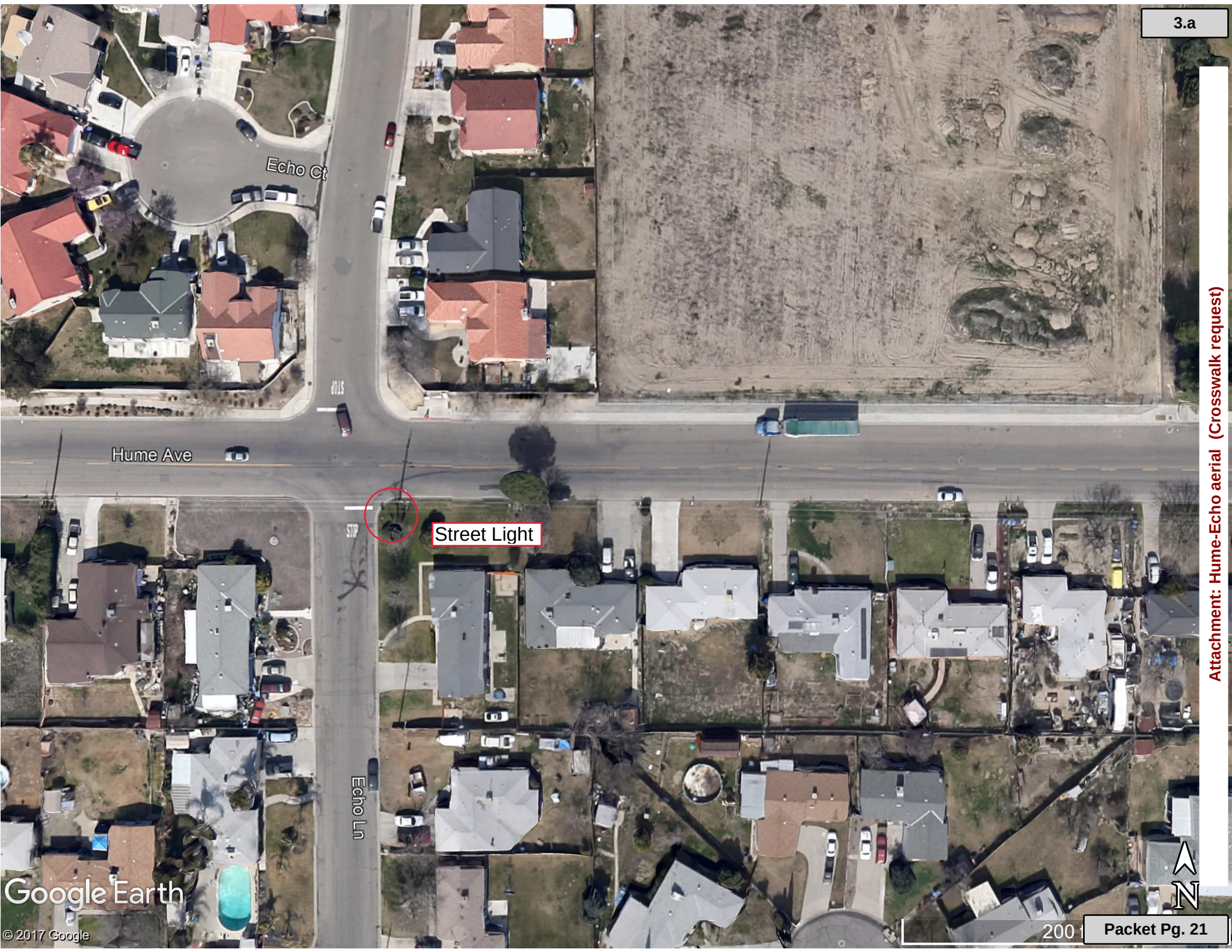
Speed

Gap

Ped counts

Warrants

SUGGESTEDROUTE MLK



City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO EB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	*	8	8	*	*	8
01:00	*	*	*	*	8	8	*	*	8
02:00	*	*	*	*	5	5	*	*	5
03:00	*	*	*	*	5	5	*	*	5
04:00	*	*	*	*	15	15	*	*	15
05:00	*	*	*	*	32	32	*	*	32
06:00	*	*	*	*	52	52	*	*	52
07:00	*	*	*	*	162	162	*	*	162
08:00	*	*	*	*	65	65	*	*	65
09:00	*	*	*	*	64	64	*	*	64
10:00	*	*	*	46	*	46	*	*	46
11:00	*	*	*	60	*	60	*	*	60
12:00 PM	*	*	*	75	*	75	*	*	75
01:00	*	*	*	94	*	94	*	*	94
02:00	*	*	*	150	*	150	*	*	150
03:00	*	*	*	114	*	114	*	*	114
04:00	*	*	*	83	*	83	*	*	83
05:00	*	*	*	107	*	107	*	*	107
06:00	*	*	*	86	*	86	*	*	86
07:00	*	*	*	83	*	83	*	*	83
08:00	*	*	*	74	*	74	*	*	74
09:00	*	*	*	56	*	56	*	*	56
10:00	*	*	*	30	*	30	*	*	30
11:00	*	*	*	20	*	20	*	*	20
Total	0	0	0	1078	416	1494	0	0	1494
% Avg. WkDay	0.0%	0.0%	0.0%	72.2%	27.8%	100.0%			
% Avg. Week	0.0%	0.0%	0.0%	72.2%	27.8%	100.0%	0.0%	0.0%	
AM Peak	-	-	-	11:00	07:00	-	07:00	-	07:00
Vol.	-	-	-	60	162	-	162	-	162
PM Peak	-	-	-	14:00	-	-	14:00	-	14:00
Vol.	-	-	-	150	-	-	150	-	150
Total	0	0	0	1078	416	1494	0	0	1494
ADT	ADT 1,494		AADT 1,494						

Attachment: Volume (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO WB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	*	12	12	*	*	12
01:00	*	*	*	*	7	7	*	*	7
02:00	*	*	*	*	5	5	*	*	5
03:00	*	*	*	*	8	8	*	*	8
04:00	*	*	*	*	9	9	*	*	9
05:00	*	*	*	*	23	23	*	*	23
06:00	*	*	*	*	62	62	*	*	62
07:00	*	*	*	*	161	161	*	*	161
08:00	*	*	*	*	77	77	*	*	77
09:00	*	*	*	*	60	60	*	*	60
10:00	*	*	*	62	*	62	*	*	62
11:00	*	*	*	49	*	49	*	*	49
12:00 PM	*	*	*	75	*	75	*	*	75
01:00	*	*	*	81	*	81	*	*	81
02:00	*	*	*	178	*	178	*	*	178
03:00	*	*	*	127	*	127	*	*	127
04:00	*	*	*	107	*	107	*	*	107
05:00	*	*	*	124	*	124	*	*	124
06:00	*	*	*	109	*	109	*	*	109
07:00	*	*	*	79	*	79	*	*	79
08:00	*	*	*	77	*	77	*	*	77
09:00	*	*	*	51	*	51	*	*	51
10:00	*	*	*	50	*	50	*	*	50
11:00	*	*	*	18	*	18	*	*	18
Total	0	0	0	1187	424	1611	0	0	1611
% Avg. WkDay	0.0%	0.0%	0.0%	73.7%	26.3%	100.0%			
% Avg. Week	0.0%	0.0%	0.0%	73.7%	26.3%	100.0%	0.0%	0.0%	
AM Peak	-	-	-	10:00	07:00	-	07:00	-	07:00
Vol.	-	-	-	62	161	-	161	-	161
PM Peak	-	-	-	14:00	-	-	14:00	-	14:00
Vol.	-	-	-	178	-	-	178	-	178
Total	0	0	0	1187	424	1611	0	0	1611
ADT	ADT 1,611		AADT 1,611						

Attachment: Volume (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO EB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/24/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	2	0	0	6	16	16	5	1	0	0	0	0	0	0	46	39	43
11:00	1	2	2	10	25	13	7	0	0	0	0	0	0	0	60	39	42
12 PM	10	1	4	14	24	20	2	0	0	0	0	0	0	0	75	37	39
13:00	7	0	6	15	39	23	4	0	0	0	0	0	0	0	94	37	39
14:00	11	0	8	41	56	30	4	0	0	0	0	0	0	0	150	36	39
15:00	11	0	8	27	47	17	3	1	0	0	0	0	0	0	114	36	39
16:00	11	0	4	11	33	19	5	0	0	0	0	0	0	0	83	38	40
17:00	10	0	5	21	39	28	4	0	0	0	0	0	0	0	107	37	39
18:00	12	0	3	18	30	18	5	0	0	0	0	0	0	0	86	37	40
19:00	7	0	6	24	28	16	1	1	0	0	0	0	0	0	83	36	39
20:00	4	0	1	27	21	17	4	0	0	0	0	0	0	0	74	37	40
21:00	0	0	4	19	26	4	3	0	0	0	0	0	0	0	56	34	40
22:00	3	0	2	10	12	3	0	0	0	0	0	0	0	0	30	34	37
23:00	0	1	2	6	10	1	0	0	0	0	0	0	0	0	20	34	35
Total	89	4	55	249	406	225	47	3	0	0	0	0	0	0	1078		
Percent	8.3%	0.4%	5.1%	23.1%	37.7%	20.9%	4.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	11:00	11:00	11:00	11:00	10:00	11:00	10:00							11:00		
Vol.	2	2	2	10	25	16	7	1							60		
PM Peak	18:00	12:00	14:00	14:00	14:00	14:00	16:00	15:00							14:00		
Vol.	12	1	8	41	56	30	5	1							150		

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO EB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1

Start Time	15	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7175	76999	Total	85th Percent	95th Percent
08/25/17	0	0	1	1	5	0	1	0	0	0	0	0	0	0	8	34	42
01:00	0	0	1	3	1	2	1	0	0	0	0	0	0	0	8	39	42
02:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5	36	38
03:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5	36	38
04:00	0	0	2	4	6	3	0	0	0	0	0	0	0	0	15	36	38
05:00	0	2	3	7	12	5	2	1	0	0	0	0	0	0	32	38	43
06:00	0	1	5	15	19	9	2	1	0	0	0	0	0	0	52	37	41
07:00	4	2	8	50	59	37	1	0	1	0	0	0	0	0	162	36	39
08:00	3	0	4	18	18	15	6	0	1	0	0	0	0	0	65	39	43
09:00	2	0	5	12	21	17	5	2	0	0	0	0	0	0	64	39	43
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	9	5	29	112	147	90	18	4	2	0	0	0	0	0	416		
Percent	2.2%	1.2%	7.0%	26.9%	35.3%	21.6%	4.3%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	05:00	07:00	07:00	07:00	07:00	08:00	09:00	07:00						07:00		
Vol.	4	2	8	50	59	37	6	2	1						162		
PM Peak																	
Vol.																	
Total	98	9	84	361	553	315	65	7	2	0	0	0	0	0	1494		
Percent	6.6%	0.6%	5.6%	24.2%	37.0%	21.1%	4.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH
50th Percentile : 31 MPH
85th Percentile : 37 MPH
95th Percentile : 39 MPH

Stats
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 914
Percent in Pace : 61.2%
Number of Vehicles > 35 MPH : 389
Percent of Vehicles > 35 MPH : 26.0%
Mean Speed(Average) : 31 MPH

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO WB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/24/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	4	1	0	15	18	19	5	0	0	0	0	0	0	0	62	38	41
11:00	1	1	3	5	17	21	1	0	0	0	0	0	0	0	49	38	39
12 PM	1	0	3	12	21	27	9	2	0	0	0	0	0	0	75	39	44
13:00	2	0	3	13	27	24	8	4	0	0	0	0	0	0	81	39	44
14:00	2	1	21	77	48	26	2	0	1	0	0	0	0	0	178	35	38
15:00	2	3	5	22	47	38	8	2	0	0	0	0	0	0	127	38	42
16:00	2	2	9	23	29	30	10	2	0	0	0	0	0	0	107	39	43
17:00	9	1	4	12	41	40	10	7	0	0	0	0	0	0	124	39	45
18:00	5	0	3	15	39	31	13	2	1	0	0	0	0	0	109	39	44
19:00	3	0	2	12	29	20	7	2	1	1	2	0	0	0	79	40	50
20:00	3	1	1	14	23	24	8	1	2	0	0	0	0	0	77	39	44
21:00	5	0	2	10	13	12	5	3	1	0	0	0	0	0	51	41	47
22:00	1	1	3	5	10	15	12	2	0	1	0	0	0	0	50	43	46
23:00	2	0	0	1	3	8	3	0	0	1	0	0	0	0	18	42	55
Total	42	11	59	236	365	335	101	27	6	3	2	0	0	0	1187		
Percent	3.5%	0.9%	5.0%	19.9%	30.7%	28.2%	8.5%	2.3%	0.5%	0.3%	0.2%	0.0%	0.0%	0.0%			
AM Peak	10:00	10:00	11:00	10:00	10:00	11:00	10:00								10:00		
Vol.	4	1	3	15	18	21	5								62		
PM Peak	17:00	15:00	14:00	14:00	14:00	17:00	18:00	17:00	20:00	19:00	19:00				14:00		
Vol.	9	3	21	77	48	40	13	7	2	1	2				178		

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO WB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
08/25/17	0	0	0	2	4	2	3	1	0	0	0	0	0	0	12	43	46
01:00	1	0	0	0	2	2	1	1	0	0	0	0	0	0	7	44	48
02:00	1	0	0	0	3	0	1	0	0	0	0	0	0	0	5	41	43
03:00	1	1	1	2	2	1	0	0	0	0	0	0	0	0	8	34	37
04:00	2	0	0	1	1	2	1	0	2	0	0	0	0	0	9	51	53
05:00	2	1	2	1	2	6	2	4	3	0	0	0	0	0	23	49	53
06:00	6	1	1	5	17	23	7	1	0	0	1	0	0	0	62	39	44
07:00	4	0	8	25	63	45	14	0	2	0	0	0	0	0	161	39	42
08:00	3	0	5	11	26	23	7	2	0	0	0	0	0	0	77	39	43
09:00	4	0	4	9	17	12	6	6	2	0	0	0	0	0	60	44	49
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	24	3	21	56	137	116	42	15	9	0	1	0	0	0	424		
Percent	5.7%	0.7%	5.0%	13.2%	32.3%	27.4%	9.9%	3.5%	2.1%	0.0%	0.2%	0.0%	0.0%	0.0%			
AM Peak	06:00	03:00	07:00	07:00	07:00	07:00	07:00	09:00	05:00		06:00				07:00		
Vol.	6	1	8	25	63	45	14	6	3		1				161		
PM Peak																	
Vol.																	
Total	66	14	80	292	502	451	143	42	15	3	3	0	0	0	1611		
Percent	4.1%	0.9%	5.0%	18.1%	31.2%	28.0%	8.9%	2.6%	0.9%	0.2%	0.2%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH
50th Percentile : 33 MPH
85th Percentile : 39 MPH
95th Percentile : 44 MPH

Stats
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 953
Percent in Pace : 59.2%
Number of Vehicles > 35 MPH : 657
Percent of Vehicles > 35 MPH : 40.8%
Mean Speed(Average) : 33 MPH

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO EB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1														
Start Time	1 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 999
08/24/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	4	2	3	1	0	1	0	2	0	0	0	1	0	32
11:00	5	1	1	0	0	3	0	3	0	3	2	2	1	39
12 PM	13	2	2	8	1	1	3	1	3	4	0	1	1	35
13:00	11	3	3	3	3	4	4	5	0	1	2	6	3	46
14:00	30	18	6	6	5	8	6	6	3	6	1	7	3	45
15:00	25	8	4	7	3	4	5	2	1	3	3	3	4	42
16:00	9	4	3	6	2	2	2	1	1	2	5	4	1	41
17:00	14	14	5	4	3	8	6	3	2	4	0	1	0	43
18:00	16	0	3	2	4	2	5	3	4	5	0	2	0	40
19:00	16	4	2	3	2	2	1	3	0	2	2	2	6	38
20:00	9	6	2	2	6	2	1	2	1	2	2	2	1	36
21:00	5	1	1	2	3	1	1	0	2	1	2	1	2	34
22:00	0	0	1	1	1	0	0	0	0	0	0	1	0	26
23:00	1	1	0	0	0	0	1	1	0	0	0	1	1	14
Total	158	64	36	45	33	38	35	32	17	33	19	34	23	511

Attachment: Gap (Crosswalk request)
90 total

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO EB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1														
Start Time	1	5	7	9	11	13	15	17	19	21	23	25	27	29
	4	6	8	10	12	14	16	18	20	22	24	26	28	999
08/25/17	0	0	0	0	0	0	0	0	0	0	0	0	0	8
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	7
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	5
04:00	0	0	0	0	0	0	0	0	0	1	0	0	0	14
05:00	1	0	2	0	0	0	0	0	1	2	1	0	0	25
06:00	2	2	1	1	3	1	2	1	1	1	0	1	2	34
07:00	25	15	19	7	11	6	9	8	2	5	3	4	9	39
08:00	8	2	3	3	1	1	2	1	0	1	2	2	6	33
09:00	5	3	5	4	2	2	0	5	1	0	2	1	2	32
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	41	22	30	15	17	10	14	15	5	10	8	8	19	202
Grand Total	199	86	66	60	50	48	49	47	22	43	27	42	42	713

96 total

Attachment: Gap (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO WB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

Direction 1														
Start Time	1 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 999
08/24/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	8	2	1	1	2	0	0	3	0	4	1	1	1	38
11:00	6	1	1	1	0	0	1	0	0	1	2	1	4	31
12 PM	7	3	2	5	1	4	2	2	1	4	2	1	0	41
13:00	9	6	5	1	3	1	1	2	2	6	0	5	3	37
14:00	48	15	15	18	8	6	10	6	3	3	3	2	5	36
15:00	19	8	4	8	7	12	2	5	5	2	4	2	4	45
16:00	12	5	9	6	3	1	5	4	2	1	4	3	2	50
17:00	21	4	6	7	4	4	4	2	6	2	5	4	3	52
18:00	18	8	7	3	7	3	3	4	6	2	3	3	1	41
19:00	8	5	6	2	1	2	2	1	4	0	1	1	4	42
20:00	11	3	2	2	2	1	2	4	2	0	1	1	1	45
21:00	9	4	1	1	0	0	0	1	0	0	2	2	0	31
22:00	6	1	3	2	0	2	2	1	1	0	0	2	2	28
23:00	3	0	0	0	0	0	0	1	0	1	1	0	0	12
Total	185	65	62	57	38	36	34	36	32	26	29	28	30	529

Attachment: Gap (Crosswalk request)
82 total

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: HUME ECHO WB
Hume Ave. at Echo Ln.
Date Start: 24-Aug-17

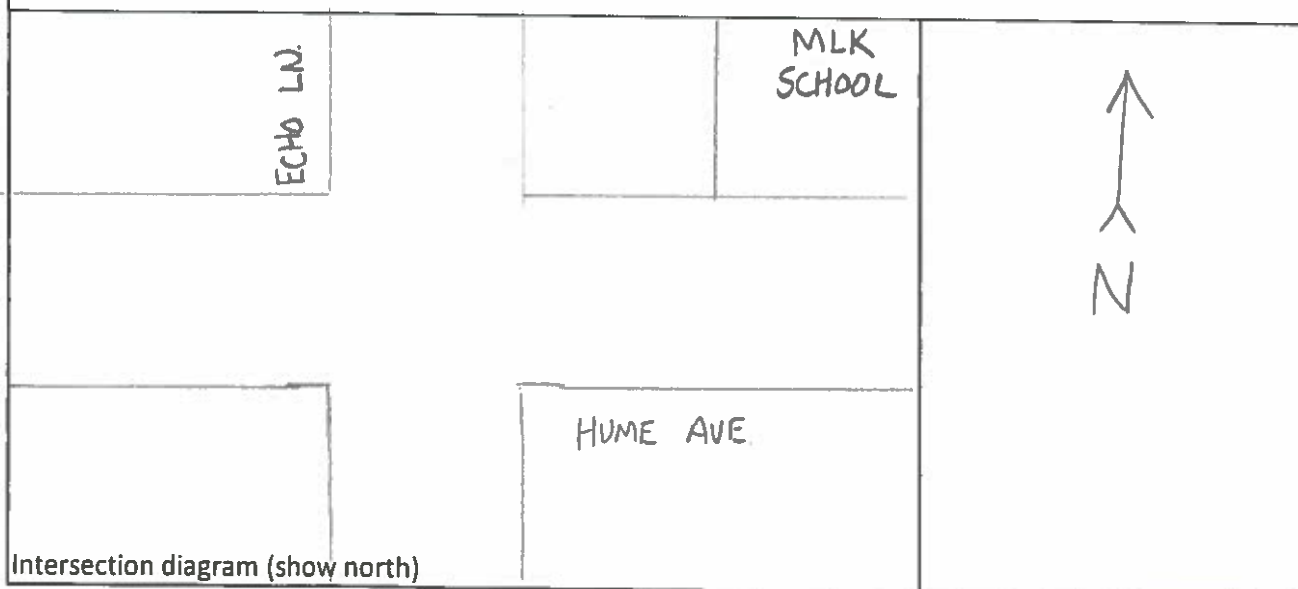
Direction 1														
Start Time	1	5	7	9	11	13	15	17	19	21	23	25	27	29
	4	6	8	10	12	14	16	18	20	22	24	26	28	999
08/25/17	1	0	0	0	0	0	0	1	0	0	0	0	0	10
01:00	1	0	0	0	0	0	0	0	0	0	0	0	1	5
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	7
04:00	2	0	0	0	0	0	0	0	0	0	0	0	0	7
05:00	2	0	0	0	1	0	0	0	0	0	0	0	1	19
06:00	11	0	1	0	1	2	2	1	0	3	1	0	1	39
07:00	23	16	17	9	16	8	10	5	5	4	4	2	3	39
08:00	9	6	6	5	2	0	2	2	3	1	2	1	1	37
09:00	8	1	1	1	3	5	2	1	1	0	1	3	0	33
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	58	23	25	15	23	16	16	10	9	8	8	6	7	200
Grand Total	243	88	87	72	61	52	50	46	41	34	37	34	37	729

96 total
Attachment: Gap (Crosswalk request)

Date 9/13/17 Day WEDNESDAY
 Weather CLR/DRY Time Interval (2 hours) 6 AM to 8 AM
 Location HUME AVE. AT ECHO LN.

Time (15 minute interval)	Children (thru middle school)	High School & Adults	Seniors (64+)	Disabled	Total Counts
6:00 6:15					
6:16 6:30		NN			2
6:31 6:45	EEEEENN	WENNNNN			4.5
6:46 7:00	EE	EN			1
7:01 7:15	E	EW			
7:16 7:30	EEEEEEEE	EW			
7:31 7:45	NNNENNEEE	EE			9
7:46 8:00	EE	E			
	(x1.5)= 13.5	3	(x1.5)=	(x1.5)=	16.5

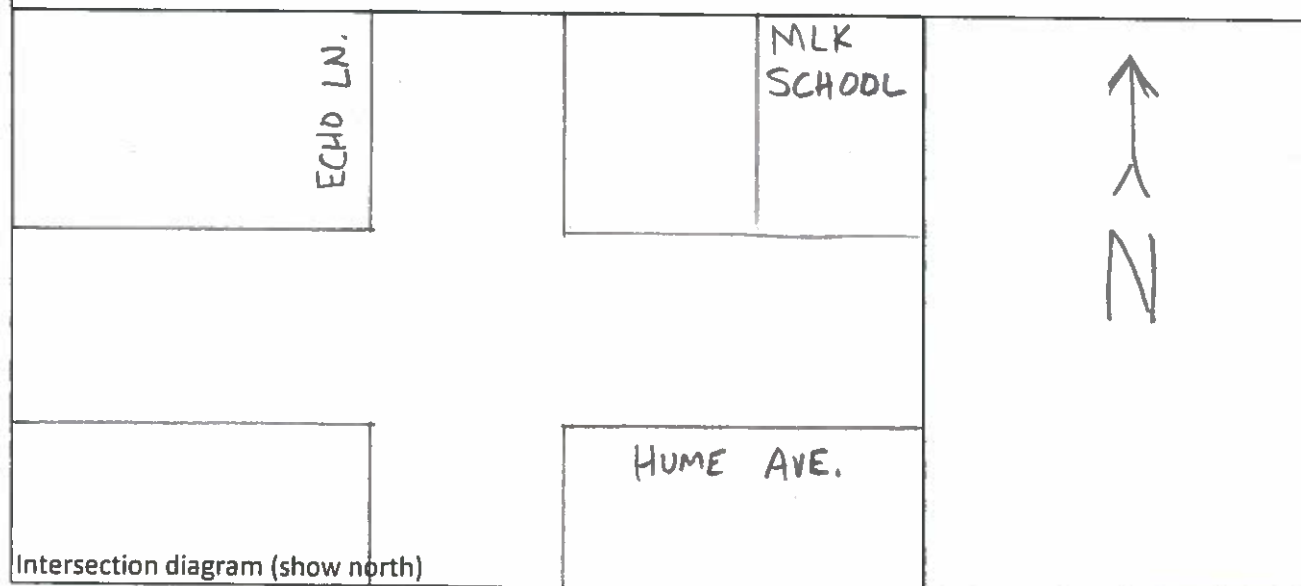
- count and designate which leg of the intersection is being crossed in the boxes above with a N, S, E, or W
 - draw and label intersection below



Date 9/12/17 Day TUESDAY
 Weather CLR/DRY Time Interval (2 hours) 1 PM to 3 PM
 Location HUME AVE. AT ECHO LN.

Time (15 minute interval)	Children (thru middle school)	High School & Adults	Seniors (64+)	Disabled	Total Counts
1:00					
1:15					
1:16					
1:30					
1:31					
1:45					
1:46					
2:00					
2:01		EW			
2:15					
2:16		E			
2:30					
2:31	WWW	WW			
2:45					
2:46	WWSSS WWWW	W			9
3:00	SSS				
	(x1.5)= 9		(x1.5)=	(x1.5)=	9

- count and designate which leg of the intersection is being crossed in the boxes above with a N, S, E, or W
 - draw and label intersection below



Attachment: Ped counts (Crosswalk request)

LOCATION: Hume Avenue at Echo Lane

WARRANTS FOR PEDESTRIAN CROSSWALKS

In order to qualify for a marked crosswalk, a location must: (A) meet the following basic warrants, and (B) rate 16 points or more under the following point system:

A) Basic Warrants

SATISFIED

Pedestrian Volume Warrant

Are there more than 20 pedestrians crossing during peak hour?

Crosswalks will not be installed where the pedestrian volume is less than 20 pedestrians per hour (pph) during the peak pedestrian hour.

Yes No

☐ ☒

Approach Speed Warrant

Is the 85 percentile less than 45 mph?

Crosswalks will not be installed on roadways where the 85th percentile approach speeds are in excess of 45 mph. The approach speeds shall be determined by approved engineering speed study techniques. All crosswalks installed on roadways in excess of 40 mph will require additional safety improvements (ie. traffic-calming treatments, flashing beacons, and/or rapid flashings signs, etc.)

☒ ☐

Visibility Warrant

Is visibility clear for 200'?

Crosswalks will not be installed unless the motorist has an unrestricted view of all pedestrians at the proposed crosswalk site, for a distance not less than 200' approaching from each direction. Sites with grades, curves and other sight-restrictive features will require special attention.

☒ ☐

Illumination Warrant

Proposed crosswalk site must have adequate crosswalk lighting in existence or scheduled for installation prior to the installation of the crosswalk.

Is there adequate lighting at the site?

☒ ☐

B) Warrant point system

Children under 13 years of age, adults over 64 years of age, or disabled persons count as 1.5 pedestrians.

Pedestrian Volume Warrant

Criterion

Point Assignment Pedestrian Total Points

The total number of pedestrians crossing the street under study during the peak pedestrian hour. This includes pedestrians in both crosswalks at an intersection. Crosswalks will not be installed where the pedestrian volume is 20 pph or less.

0-20	0
21-40	2
41-60	4
61-90	6
91-100	8
Over 100	<u>10</u>
Maximum	10

16.5 Total
Pedestrians

0 pts.

Attachment: Warrants (Crosswalk request)

General Conditions Warrant

	Points	
(a) Will clarify and define pedestrian routes across a complex Intersection.	2 ☐	
(b) Will channelize pedestrians into a significantly shorter path.	2 ☐	
(c) Will position pedestrians to be seen better by motorists.	2 ☐	
(d) Will position pedestrians to expose them to fewer vehicles.	2 ☐	
(e) Is located within the Central Business District.	2 ☐	
(f) Is <u>adjacent</u> to a pedestrian generating facility (i.e. school, park, shopping district, etc.)	4 ☒	
Maximum	10	<u>4 pts.</u>

Gap Time Warrant

Criterion	Point Assignment	
	Average number of gaps per five-minute period	Points
The number of unimpeded vehicle time gaps equal to or exceeding the required pedestrian crossing time (PCT) in an average five minute period during the peak vehicle hour.	0 – 0.99	10 ☐
	1 – 1.99	8 ☐
	2 – 2.99	6 ☐
	3 – 3.99	4 ☐
	4 – 4.99	2 ☐
	5 or over	0 ☒
	Maximum	10
		<u>0 pts.</u>

Computations:

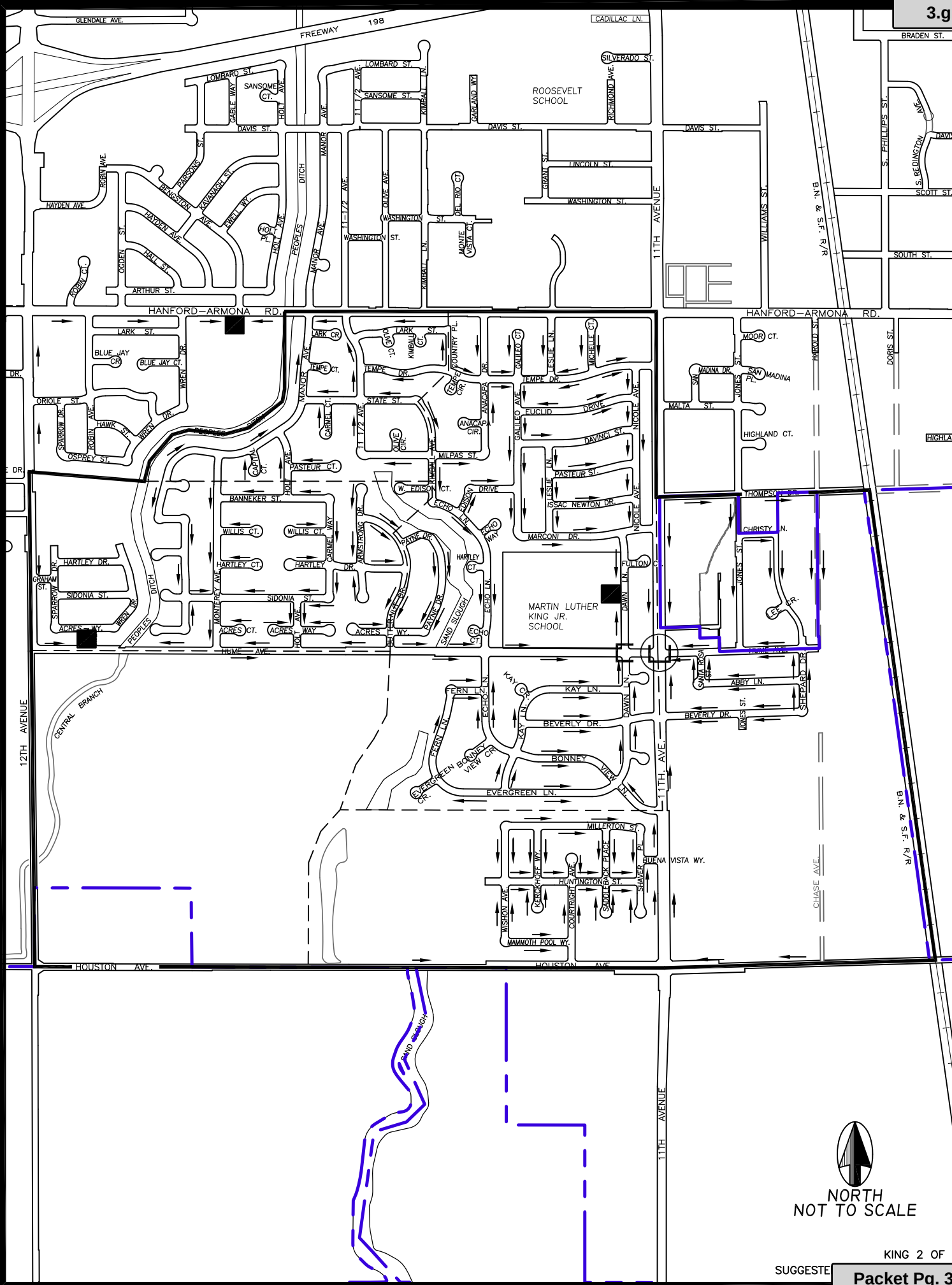
(1) Pedestrian crossing time = $\frac{\text{Street width curb to curb}}{4.0 \text{ feet per second}} = \frac{48}{4} = 12$

(2) Average number of gaps per five-minute period = $\frac{\text{Total gaps/hr} > \text{required PCT}}{12} = \frac{82}{12} = 6.8$

Provisions:

- (1) The above criterion is based on a one hour field survey.
- (2) All roadways having a raised median or a painted median (4 foot minimum width) will be considered as two separate roadways, if the pedestrian has a protected place to stand out of the path of traffic.

4 pts. total



Attachment: SUGGESTED ROUTE MLK (Crosswalk request)



NORTH
NOT TO SCALE



AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 4
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SUBJECT:

Crosswalk Request - Fitzgerald Lane at Bristol Lane

RECOMMENDATION

That a crosswalk not be placed on Fitzgerald Lane at Bristol Lane.

DISCUSSION

Staff received a request from Hanford Elementary School District asking if a crosswalk could be placed on Fitzgerald Lane at Bristol Lane. It was stated that students are crossing at this intersection. To address this concern, staff conducted an intersection study of the location.

Fitzgerald Lane is a north-south bound two-lane residential street with a curb to curb width of 48 feet. This width is adequate for a single lane in each direction with room for street parking with Fitzgerald Lane having the thru movement. Bristol Lane is an east-west bound two-lane residential street with a curb to curb width of 40 feet. This width is adequate for two lanes in each direction with room for parking with Bristol Lane having to stop.

The speed limit on Fitzgerald Lane is 35 MPH on Bristol Lane it is prima facie 25 MPH. The 85th percentile speed on Fitzgerald Lane is 34 MPH with the majority of the traffic volume being on Fitzgerald Lane. In the last five years, there have been no accidents reported at the intersection. The sight stopping distance at the intersection is adequate for all directions of traffic.

The warrant for a crosswalk was checked, and the intersection does not meet the four basic warrants based on the low pedestrian counts. A gap study was performed to determine the number of opportunities a pedestrian has to cross Fitzgerald Lane in the morning and afternoon vehicle peak hours. Based on calculations, a pedestrian will take 12 seconds to cross Fitzgerald

Lane. The gap study shows that there are 7 opportunities in a 5 minute period during the peak vehicle hours for a pedestrian to safely cross the road.

Based on the crosswalk study not meeting the basic warrants, Staff recommends that no additional intersection controls be placed at this time. Attached is an aerial photo of the area, warrant for pedestrian crosswalks, and the entering volume summary.

Respectfully submitted,

Shawn Dailey
Engineering Technician, II

FISCAL IMPACT:

ATTACHMENTS:

Fitzgerald Ln. at Bristol Ln.
Volume
Speed
Gap
Fitzgerald at Simas school
Warrant-Crosswalk



City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS NB
Simas School
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	1	*	1	*	*	1
01:00	*	*	*	4	*	4	*	*	4
02:00	*	*	*	2	*	2	*	*	2
03:00	*	*	*	2	*	2	*	*	2
04:00	*	*	*	9	*	9	*	*	9
05:00	*	*	*	8	*	8	*	*	8
06:00	*	*	*	25	*	25	*	*	25
07:00	*	*	*	140	*	140	*	*	140
08:00	*	*	94	*	*	94	*	*	94
09:00	*	*	48	*	*	48	*	*	48
10:00	*	*	45	*	*	45	*	*	45
11:00	*	*	56	*	*	56	*	*	56
12:00 PM	*	*	153	*	*	153	*	*	153
01:00	*	*	74	*	*	74	*	*	74
02:00	*	*	69	*	*	69	*	*	69
03:00	*	*	150	*	*	150	*	*	150
04:00	*	*	129	*	*	129	*	*	129
05:00	*	*	183	*	*	183	*	*	183
06:00	*	*	121	*	*	121	*	*	121
07:00	*	*	83	*	*	83	*	*	83
08:00	*	*	130	*	*	130	*	*	130
09:00	*	*	31	*	*	31	*	*	31
10:00	*	*	22	*	*	22	*	*	22
11:00	*	*	17	*	*	17	*	*	17
Total	0	0	1405	191	0	1596	0	0	1596
% Avg. WkDay	0.0%	0.0%	88.0%	12.0%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	88.0%	12.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	94	140	-	140	-	-	140
PM Peak	-	-	17:00	-	-	17:00	-	-	17:00
Vol.	-	-	183	-	-	183	-	-	183
Total	0	0	1405	191	0	1596	0	0	1596
ADT	ADT 1,596		AADT 1,596						

Attachment: Volume (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS SB
Simas School
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	4	*	4	*	*	4
01:00	*	*	*	4	*	4	*	*	4
02:00	*	*	*	2	*	2	*	*	2
03:00	*	*	*	3	*	3	*	*	3
04:00	*	*	*	10	*	10	*	*	10
05:00	*	*	*	38	*	38	*	*	38
06:00	*	*	*	64	*	64	*	*	64
07:00	*	*	*	285	*	285	*	*	285
08:00	*	*	155	*	*	155	*	*	155
09:00	*	*	70	*	*	70	*	*	70
10:00	*	*	56	*	*	56	*	*	56
11:00	*	*	61	*	*	61	*	*	61
12:00 PM	*	*	138	*	*	138	*	*	138
01:00	*	*	86	*	*	86	*	*	86
02:00	*	*	70	*	*	70	*	*	70
03:00	*	*	125	*	*	125	*	*	125
04:00	*	*	87	*	*	87	*	*	87
05:00	*	*	124	*	*	124	*	*	124
06:00	*	*	93	*	*	93	*	*	93
07:00	*	*	87	*	*	87	*	*	87
08:00	*	*	66	*	*	66	*	*	66
09:00	*	*	29	*	*	29	*	*	29
10:00	*	*	23	*	*	23	*	*	23
11:00	*	*	6	*	*	6	*	*	6
Total	0	0	1276	410	0	1686	0	0	1686
% Avg. WkDay	0.0%	0.0%	75.7%	24.3%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	75.7%	24.3%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	07:00	-	07:00	-	-	07:00
Vol.	-	-	155	285	-	285	-	-	285
PM Peak	-	-	12:00	-	-	12:00	-	-	12:00
Vol.	-	-	138	-	-	138	-	-	138
Total	0	0	1276	410	0	1686	0	0	1686
ADT	ADT 1,686		AADT 1,686						

Attachment: Volume (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS NB
Simas School
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	1	1	3	19	34	30	3	3	0	0	0	0	0	0	94	38	42
09:00	0	1	3	8	20	11	4	1	0	0	0	0	0	0	48	39	43
10:00	0	1	3	11	18	6	5	1	0	0	0	0	0	0	45	39	43
11:00	0	1	2	10	24	15	3	0	1	0	0	0	0	0	56	38	42
12 PM	4	5	25	40	58	20	1	0	0	0	0	0	0	0	153	34	38
13:00	1	6	6	19	19	19	3	1	0	0	0	0	0	0	74	38	40
14:00	0	1	4	9	29	22	3	1	0	0	0	0	0	0	69	38	40
15:00	2	3	2	19	69	40	13	2	0	0	0	0	0	0	150	39	42
16:00	1	1	3	15	52	47	10	0	0	0	0	0	0	0	129	39	41
17:00	3	3	6	11	73	67	15	2	3	0	0	0	0	0	183	39	43
18:00	0	2	6	8	49	39	16	1	0	0	0	0	0	0	121	39	43
19:00	0	5	1	12	31	28	6	0	0	0	0	0	0	0	83	38	41
20:00	1	4	5	18	67	31	3	1	0	0	0	0	0	0	130	37	39
21:00	0	0	1	2	16	9	2	1	0	0	0	0	0	0	31	39	43
22:00	0	0	1	2	11	4	3	1	0	0	0	0	0	0	22	41	44
23:00	0	2	1	3	4	3	3	1	0	0	0	0	0	0	17	42	45
Total	13	36	72	206	574	391	93	16	4	0	0	0	0	0	1405		
Percent	0.9%	2.6%	5.1%	14.7%	40.9%	27.8%	6.6%	1.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	10:00	08:00	11:00						08:00		
Vol.	1	1	3	19	34	30	5	3	1						94		
PM Peak	12:00	13:00	12:00	12:00	17:00	17:00	18:00	15:00	17:00						17:00		
Vol.	4	6	25	40	73	67	16	2	3						183		

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS NB
Simas School
Date Start: 23-Aug-17

Direction 1

Start Time	15	1620	2125	2630	3135	3640	4145	4650	5155	5660	6165	6670	7175	76999	Total	85th Percent	95th Percent
08/24/17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
01:00	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4	33	34
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	33	34
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	33	34
04:00	0	0	1	4	1	2	0	0	0	1	0	0	0	0	9	39	57
05:00	1	0	0	2	3	0	2	0	0	0	0	0	0	0	8	42	43
06:00	1	1	4	4	6	8	0	1	0	0	0	0	0	0	25	38	39
07:00	1	3	12	44	46	23	11	0	0	0	0	0	0	0	140	37	41
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	3	5	19	56	60	33	13	1	0	1	0	0	0	0	191		
Percent	1.6%	2.6%	9.9%	29.3%	31.4%	17.3%	6.8%	0.5%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%			
AM Peak	05:00	07:00	07:00	07:00	07:00	07:00	07:00	06:00		04:00					07:00		
Vol.	1	3	12	44	46	23	11	1		1					140		
PM Peak																	
Vol.																	
Total	16	41	91	262	634	424	106	17	4	1	0	0	0	0	1596		
Percent	1.0%	2.6%	5.7%	16.4%	39.7%	26.6%	6.6%	1.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 26 MPH
50th Percentile : 33 MPH
85th Percentile : 38 MPH
95th Percentile : 42 MPH

Stats
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 1058
Percent in Pace : 66.3%
Number of Vehicles > 35 MPH : 552
Percent of Vehicles > 35 MPH : 34.6%
Mean Speed(Average) : 33 MPH

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS SB
Simas School
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	3	6	23	39	58	21	5	0	0	0	0	0	0	0	155	35	39
09:00	1	7	11	17	20	12	2	0	0	0	0	0	0	0	70	36	39
10:00	1	3	11	19	15	5	1	1	0	0	0	0	0	0	56	34	39
11:00	2	0	11	17	25	6	0	0	0	0	0	0	0	0	61	34	37
12 PM	4	9	31	46	43	4	1	0	0	0	0	0	0	0	138	33	34
13:00	0	8	18	21	21	15	3	0	0	0	0	0	0	0	86	36	39
14:00	1	4	6	19	27	12	1	0	0	0	0	0	0	0	70	36	38
15:00	1	5	10	33	42	32	2	0	0	0	0	0	0	0	125	37	39
16:00	3	3	16	23	31	9	1	1	0	0	0	0	0	0	87	34	38
17:00	2	5	16	21	38	34	7	1	0	0	0	0	0	0	124	38	41
18:00	1	5	7	22	29	19	10	0	0	0	0	0	0	0	93	38	42
19:00	0	6	18	21	33	9	0	0	0	0	0	0	0	0	87	34	37
20:00	0	5	10	18	21	10	2	0	0	0	0	0	0	0	66	36	39
21:00	1	3	2	8	10	3	2	0	0	0	0	0	0	0	29	36	41
22:00	1	2	4	5	5	4	2	0	0	0	0	0	0	0	23	38	42
23:00	0	0	1	2	1	0	2	0	0	0	0	0	0	0	6	42	44
Total	21	71	195	331	419	195	41	3	0	0	0	0	0	0	1276		
Percent	1.6%	5.6%	15.3%	25.9%	32.8%	15.3%	3.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	08:00	08:00	08:00	08:00	08:00	10:00							08:00		
Vol.	3	7	23	39	58	21	5	1							155		
PM Peak	12:00	12:00	12:00	12:00	12:00	17:00	18:00	16:00							12:00		
Vol.	4	9	31	46	43	34	10	1							138		

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230

Site Code: SIMAS SB

Simas School

Date Start: 23-Aug-17

Direction 1																	
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	76 999	Total	85th Percent	95th Percent
08/24/17	1	0	0	1	0	1	1	0	0	0	0	0	0	0	4	42	44
01:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4	34	34
02:00	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	48	49
03:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	27	29
04:00	0	2	1	1	4	2	0	0	0	0	0	0	0	0	10	36	38
05:00	1	3	4	9	12	6	3	0	0	0	0	0	0	0	38	37	41
06:00	1	6	8	19	14	12	4	0	0	0	0	0	0	0	64	37	40
07:00	4	12	74	107	65	22	1	0	0	0	0	0	0	0	285	33	36
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	7	24	88	140	98	43	9	1	0	0	0	0	0	0	410		
Percent	1.7%	5.9%	21.5%	34.1%	23.9%	10.5%	2.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	07:00	07:00	07:00	06:00	02:00							07:00		
Vol.	4	12	74	107	65	22	4	1							285		
PM Peak																	
Vol.																	
Total	28	95	283	471	517	238	50	4	0	0	0	0	0	0	1686		
Percent	1.7%	5.6%	16.8%	27.9%	30.7%	14.1%	3.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :		22 MPH												
			50th Percentile :		29 MPH												
			85th Percentile :		35 MPH												
			95th Percentile :		39 MPH												

Stats

10 MPH Pace Speed : 26-35 MPH

Number in Pace : 988

Percent in Pace : 58.6%

Number of Vehicles > 35 MPH : 292

Percent of Vehicles > 35 MPH : 17.3%

Mean Speed(Average) : 30 MPH

Attachment: Speed (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIMAS NB
Simas School
Date Start: 23-Aug-17

Direction 1														
Start Time	1 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 999
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	9	11	4	5	3	3	3	1	3	3	2	1	4	42
09:00	2	4	4	0	2	2	1	0	1	2	2	0	1	27
10:00	0	0	2	4	4	0	0	0	1	0	0	1	1	32
11:00	5	3	2	4	2	2	1	0	1	1	1	5	0	29
12 PM	29	19	10	4	2	7	9	6	7	3	2	6	3	46
13:00	4	5	3	0	3	2	2	4	3	1	1	3	0	43
14:00	8	3	1	1	1	3	3	1	2	1	0	2	2	41
15:00	29	11	9	8	7	5	5	5	7	4	4	3	2	51
16:00	28	10	10	4	6	4	4	5	3	1	2	4	2	46
17:00	43	13	20	11	9	5	10	5	9	3	4	5	1	45
18:00	15	13	2	6	7	2	3	5	3	3	8	3	2	49
19:00	6	5	3	3	6	4	2	2	4	2	1	2	1	42
20:00	24	9	10	6	5	3	4	4	6	5	4	5	4	41
21:00	5	2	0	1	2	0	0	0	0	0	0	1	0	20
22:00	2	2	0	0	0	1	0	0	0	0	0	0	0	17
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	15
Total	209	110	80	57	60	44	47	38	50	29	31	41	23	586

Attachment: Gap (crosswalk request)
96 total

City of Hanford900 S. 10th Avenue
Hanford, CA 93230

Site Code: SIMAS NB

Simas School

Date Start: 23-Aug-17

Direction 1														
Start Time	1	5	7	9	11	13	15	17	19	21	23	25	27	29
	4	6	8	10	12	14	16	18	20	22	24	26	28	999
08/24/17	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	1	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	9
05:00	0	0	0	0	0	0	1	0	0	0	0	0	0	7
06:00	1	0	0	2	0	0	1	1	0	0	0	0	0	20
07:00	24	12	9	11	7	6	10	4	5	4	4	2	7	35
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	25	12	9	13	7	6	12	5	5	5	4	2	7	79
Grand Total	234	122	89	70	67	50	59	43	55	34	35	43	30	665

Attachment: Gap (Crosswalk request)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230

Site Code: SIMAS SB

Simas School

Date Start: 23-Aug-17

Direction 1														
Start Time	1 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 999
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	29	12	14	11	13	5	8	6	10	1	1	1	3	41
09:00	7	3	3	2	3	1	3	0	0	4	3	1	3	37
10:00	2	1	2	0	2	1	5	3	1	0	2	0	3	34
11:00	4	4	2	2	1	2	4	1	0	1	0	1	1	38
12 PM	23	9	9	5	7	4	9	7	3	4	4	3	4	47
13:00	6	3	5	4	3	5	6	3	5	0	2	1	3	40
14:00	1	3	0	4	3	1	3	4	4	0	2	2	2	41
15:00	9	12	11	10	6	3	5	8	3	2	4	6	1	45
16:00	5	9	3	5	2	3	2	4	4	1	2	2	2	43
17:00	16	8	8	7	7	4	3	11	5	5	7	4	2	37
18:00	9	3	2	4	5	7	1	1	2	3	3	6	4	43
19:00	6	1	2	4	4	3	2	2	4	3	2	2	3	49
20:00	5	2	0	0	2	3	4	1	3	4	3	1	3	35
21:00	0	0	1	0	1	0	0	1	0	1	0	1	0	24
22:00	0	0	2	0	1	0	0	0	0	0	1	0	1	18
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	122	70	64	58	60	42	55	52	44	29	36	31	35	578

crosswalk request)
Attachment: Gap
85 total

City of Hanford900 S. 10th Avenue
Hanford, CA 93230

Site Code: SIMAS SB

Simas School

Date Start: 23-Aug-17

Direction 1

Start Time	1 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 999
08/24/17	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	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	10
05:00	0	3	1	0	1	1	0	0	0	0	0	0	0	32
06:00	7	3	2	3	0	4	3	2	5	2	1	3	0	29
07:00	99	38	28	15	18	18	15	8	6	5	3	5	0	27
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	106	44	31	18	19	23	18	10	11	7	4	8	0	111
Grand Total	228	114	95	76	79	65	73	62	55	36	40	39	35	689

105
total

Attachment: Gap (Crosswalk request)

CITY OF HANFORD

Public Works - Engineering

Location : Fitzgerald Ln. at Simas school
 Weather : Clear & Dry
 Operator : SPD

Station : 0
 Start Date : 08/23/17
 Day : Wednesday

Begin Time	NB	SB	EB	WB	Total
12:00 AM	1	4			5
1:00	4	4			8
2:00	2	2			4
3:00	2	3			5
4:00	9	10			19
5:00	8	38			46
6:00	25	64			89
7:00	140	285			425
8:00	94	155			249
9:00	48	70			118
10:00	45	56			101
11:00	56	61			117
12:00 PM	153	138			291
1:00	74	86			160
2:00	69	70			139
3:00	150	125			275
4:00	129	87			216
5:00	183	124			307
6:00	121	93			214
7:00	83	87			170
8:00	130	66			196
9:00	31	29			60
10:00	22	23			45
11:00	17	6			23
Daily Totals	1,596	1,686	0	0	3,282
Split %	48.6	51.4	0.0	0.0	

AM Peak
 Volume **425**

PM Peak
 Volume **307**

Attachment: Fitzgerald at Simas school (Crosswalk request)

LOCATION: Fitzgerald Lane at Simas School

WARRANTS FOR PEDESTRIAN CROSSWALKS

In order to qualify for a marked crosswalk, a location must: (A) meet the following basic warrants, and (B) rate 16 points or more under the following point system:

A) Basic Warrants

SATISFIED

Pedestrian Volume Warrant

Are there more than 20 pedestrians crossing during peak hour?

Crosswalks will not be installed where the pedestrian volume is less than 20 pedestrians per hour (pph) during the peak pedestrian hour.

<u>Yes</u>	<u>No</u>
☐	☒

Approach Speed Warrant

Is the 85 percentile less than 45 mph?

Crosswalks will not be installed on roadways where the 85th percentile approach speeds are in excess of 45 mph. The approach speeds shall be determined by approved engineering speed study techniques. All crosswalks installed on roadways in excess of 40 mph will require additional safety improvements (ie. traffic-calming treatments, flashing beacons, and/or rapid flashings signs, etc.)

☒	☐
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Visibility Warrant

Is visibility clear for 200'?

Crosswalks will not be installed unless the motorist has an unrestricted view of all pedestrians at the proposed crosswalk site, for a distance not less than 200' approaching from each direction. Sites with grades, curves and other sight-restrictive features will require special attention.

☒	☐
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Illumination Warrant

Proposed crosswalk site must have adequate crosswalk lighting in existence or scheduled for installation prior to the installation of the crosswalk.

Is there adequate lighting at the site?

☒	☐
-------------------------------------	--------------------------

B) Warrant point system

Children under 13 years of age, adults over 64 years of age, or disabled persons count as 1.5 pedestrians.

Pedestrian Volume Warrant

Criterion

Point Assignment
Pedestrian Total Points

The total number of pedestrians crossing the street under study during the peak pedestrian hour. This includes pedestrians in both crosswalks at an intersection. Crosswalks will not be installed where the pedestrian volume is 20 pph or less.

0-20	0
21-40	2
41-60	4
61-90	6
91-100	8
Over 100	<u>10</u>
Maximum	10

13.5 Total
Pedestrians

0 pts.

Attachment: Warrant-Crosswalk (Crosswalk request)

General Conditions Warrant

	Points
(a) Will clarify and define pedestrian routes across a complex Intersection.	2 ☐
(b) Will channelize pedestrians into a significantly shorter path.	2 ☐
(c) Will position pedestrians to be seen better by motorists.	2 ☐
(d) Will position pedestrians to expose them to fewer vehicles.	2 ☐
(e) Is located within the Central Business District.	2 ☐
(f) Is <u>adjacent</u> to a pedestrian generating facility (i.e. school, park, shopping district, etc.)	4 ☒
Maximum	10 <u>4 pts.</u>

Gap Time Warrant

Criterion	Point Assignment	
	Average number of gaps per five-minute period	Points
The number of unimpeded vehicle time gaps equal to or exceeding the required pedestrian crossing time (PCT) in an average five minute period during the peak vehicle hour.	0 – 0.99	10 ☐
	1 – 1.99	8 ☐
	2 – 2.99	6 ☐
	3 – 3.99	4 ☐
	4 – 4.99	2 ☐
	5 or over	0 ☒
	Maximum	10 <u>0 pts.</u>

Computations:

- (1) Pedestrian crossing time = $\frac{\text{Street width curb to curb}}{4.0 \text{ feet per second}} = 48/4 = 12$
- (2) Average number of gaps per five-minute period = $\frac{\text{Total gaps/hr} > \text{required PCT}}{12} = 84/12 = 7$

Provisions:

- (1) The above criterion is based on a one hour field survey.
- (2) All roadways having a raised median or a painted median (4 foot minimum width) will be considered as two separate roadways, if the pedestrian has a protected place to stand out of the path of traffic.

4 pts. total



AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 5
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SUBJECT:

Intersection Study at Monterey Avenue and Sidonia Street

RECOMMENDATION

That the Parking & Traffic Commission, by motion, recommend to the City Council that Yield signs be placed on Sidonia Street at its intersection with Monterey Avenue.

BACKGROUND

Staff noted a possible need for traffic control at the intersection of Sidonia Street and Monterey Avenue. Motorists traveling in both directions were assuming the right-of-way. To address this concern, staff conducted an intersection study of the location.

Monterey Avenue is a north-south bound two-lane residential street with a curb to curb width of 40 feet. This width is adequate for a single lane in each direction with room for street parking. Sidonia Street is an east-west bound two-lane residential street with a curb to curb width of 40 feet. This width is adequate for two lanes in each direction with room for parking. There are no schools in the vicinity.

The speed limit on both streets is prima facie 25 MPH. The 85th percentile speed on Monterey Avenue is 29 MPH and has the majority of the traffic volume at 855 vehicles per day. The 85th percentile speed on Sidonia Street is 19 MPH and has a traffic volume of 353 vehicles per day. In the last five years, there have been no accidents reported at the intersection. The sight stopping distance at the intersection is adequate for both Monterey Avenue and Sidonia Street.

Based on the traffic study staff recommends Yield signs be placed on Sidonia Street at its intersection with Monterey Avenue. Attached is an aerial photo of the area, entering volume and speed summaries, warrants for Two-Way stop and Yield.

Respectfully submitted,

Shawn Dailey, Secretary
Engineering Technician, II

FISCAL IMPACT:

ATTACHMENTS:

Monterey-Sidonia

Volume

Speed

Monterey-Sidonia-17

Monterey-Sidonia-TWO-WAY STOP

Monterey-Sidonia_YIELD SIGNS



City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY NB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	9	*	9	*	*	9
01:00	*	*	*	5	*	5	*	*	5
02:00	*	*	*	0	*	0	*	*	0
03:00	*	*	*	1	*	1	*	*	1
04:00	*	*	*	6	*	6	*	*	6
05:00	*	*	*	6	*	6	*	*	6
06:00	*	*	*	19	*	19	*	*	19
07:00	*	*	*	47	*	47	*	*	47
08:00	*	*	39	*	*	39	*	*	39
09:00	*	*	20	*	*	20	*	*	20
10:00	*	*	9	*	*	9	*	*	9
11:00	*	*	19	*	*	19	*	*	19
12:00 PM	*	*	35	*	*	35	*	*	35
01:00	*	*	26	*	*	26	*	*	26
02:00	*	*	28	*	*	28	*	*	28
03:00	*	*	38	*	*	38	*	*	38
04:00	*	*	48	*	*	48	*	*	48
05:00	*	*	55	*	*	55	*	*	55
06:00	*	*	45	*	*	45	*	*	45
07:00	*	*	50	*	*	50	*	*	50
08:00	*	*	43	*	*	43	*	*	43
09:00	*	*	24	*	*	24	*	*	24
10:00	*	*	24	*	*	24	*	*	24
11:00	*	*	11	*	*	11	*	*	11
Total	0	0	514	93	0	607	0	0	607
% Avg. WkDay	0.0%	0.0%	84.7%	15.3%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	84.7%	15.3%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	07:00	-	-	07:00	-	-
Vol.	-	-	39	47	-	-	47	-	-
PM Peak	-	-	17:00	-	-	-	17:00	-	-
Vol.	-	-	55	-	-	-	55	-	-
Total	0	0	514	93	0	607	0	0	607
ADT	ADT 599		AADT 599						

Attachment: Volume (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY SB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	2	*	2	*	*	2
01:00	*	*	*	1	*	1	*	*	1
02:00	*	*	*	0	*	0	*	*	0
03:00	*	*	*	0	*	0	*	*	0
04:00	*	*	*	7	*	7	*	*	7
05:00	*	*	*	8	*	8	*	*	8
06:00	*	*	*	12	*	12	*	*	12
07:00	*	*	*	26	*	26	*	*	26
08:00	*	*	*	8	*	8	*	*	8
09:00	*	*	5	*	*	5	*	*	5
10:00	*	*	7	*	*	7	*	*	7
11:00	*	*	8	*	*	8	*	*	8
12:00 PM	*	*	12	*	*	12	*	*	12
01:00	*	*	9	*	*	9	*	*	9
02:00	*	*	18	*	*	18	*	*	18
03:00	*	*	10	*	*	10	*	*	10
04:00	*	*	18	*	*	18	*	*	18
05:00	*	*	19	*	*	19	*	*	19
06:00	*	*	13	*	*	13	*	*	13
07:00	*	*	23	*	*	23	*	*	23
08:00	*	*	20	*	*	20	*	*	20
09:00	*	*	9	*	*	9	*	*	9
10:00	*	*	8	*	*	8	*	*	8
11:00	*	*	5	*	*	5	*	*	5
Total	0	0	184	64	0	248	0	0	248
% Avg. WkDay	0.0%	0.0%	74.2%	25.8%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	74.2%	25.8%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	07:00	-	-	07:00	-	-
Vol.	-	-	8	26	-	-	26	-	-
PM Peak	-	-	19:00	-	-	-	19:00	-	-
Vol.	-	-	23	-	-	-	23	-	-
Total	0	0	184	64	0	248	0	0	248
ADT	ADT 248		AADT 248						

Attachment: Volume (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA EB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	0	*	0	*	*	0
01:00	*	*	*	1	*	1	*	*	1
02:00	*	*	*	3	*	3	*	*	3
03:00	*	*	*	2	*	2	*	*	2
04:00	*	*	*	2	*	2	*	*	2
05:00	*	*	*	5	*	5	*	*	5
06:00	*	*	*	12	*	12	*	*	12
07:00	*	*	*	26	*	26	*	*	26
08:00	*	*	*	14	*	14	*	*	14
09:00	*	*	13	*	*	13	*	*	13
10:00	*	*	10	*	*	10	*	*	10
11:00	*	*	11	*	*	11	*	*	11
12:00 PM	*	*	23	*	*	23	*	*	23
01:00	*	*	13	*	*	13	*	*	13
02:00	*	*	9	*	*	9	*	*	9
03:00	*	*	5	*	*	5	*	*	5
04:00	*	*	9	*	*	9	*	*	9
05:00	*	*	23	*	*	23	*	*	23
06:00	*	*	5	*	*	5	*	*	5
07:00	*	*	17	*	*	17	*	*	17
08:00	*	*	13	*	*	13	*	*	13
09:00	*	*	9	*	*	9	*	*	9
10:00	*	*	3	*	*	3	*	*	3
11:00	*	*	1	*	*	1	*	*	1
Total	0	0	164	65	0	229	0	0	229
% Avg. WkDay	0.0%	0.0%	71.6%	28.4%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	71.6%	28.4%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	09:00	07:00	-	-	07:00	-	-
Vol.	-	-	13	26	-	-	26	-	-
PM Peak	-	-	12:00	-	-	-	12:00	-	-
Vol.	-	-	23	-	-	-	23	-	-
Total	0	0	164	65	0	229	0	0	229
ADT	ADT 229		AADT 229						

Attachment: Volume (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA WB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Start Time	Mon 21-Aug-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	*	0	*	0	*	*	0
01:00	*	*	*	0	*	0	*	*	0
02:00	*	*	*	0	*	0	*	*	0
03:00	*	*	*	1	*	1	*	*	1
04:00	*	*	*	2	*	2	*	*	2
05:00	*	*	*	4	*	4	*	*	4
06:00	*	*	*	7	*	7	*	*	7
07:00	*	*	*	9	*	9	*	*	9
08:00	*	*	*	4	*	4	*	*	4
09:00	*	*	2	*	*	2	*	*	2
10:00	*	*	6	*	*	6	*	*	6
11:00	*	*	7	*	*	7	*	*	7
12:00 PM	*	*	12	*	*	12	*	*	12
01:00	*	*	7	*	*	7	*	*	7
02:00	*	*	13	*	*	13	*	*	13
03:00	*	*	3	*	*	3	*	*	3
04:00	*	*	2	*	*	2	*	*	2
05:00	*	*	10	*	*	10	*	*	10
06:00	*	*	4	*	*	4	*	*	4
07:00	*	*	8	*	*	8	*	*	8
08:00	*	*	11	*	*	11	*	*	11
09:00	*	*	7	*	*	7	*	*	7
10:00	*	*	3	*	*	3	*	*	3
11:00	*	*	2	*	*	2	*	*	2
Total	0	0	97	27	0	124	0	0	124
% Avg. WkDay	0.0%	0.0%	78.2%	21.8%	0.0%	100.0%			
% Avg. Week	0.0%	0.0%	78.2%	21.8%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	07:00	-	-	07:00	-	-
Vol.	-	-	7	9	-	-	9	-	-
PM Peak	-	-	14:00	-	-	-	14:00	-	-
Vol.	-	-	13	-	-	-	13	-	-
Total	0	0	97	27	0	124	0	0	124
ADT	ADT 124		AADT 124						

Attachment: Volume (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY NB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	24	7	7	1	0	0	0	0	0	0	0	0	0	0	39	21	24
09:00	10	3	4	3	0	0	0	0	0	0	0	0	0	0	20	25	28
10:00	1	2	3	2	1	0	0	0	0	0	0	0	0	0	9	29	32
11:00	3	7	5	3	1	0	0	0	0	0	0	0	0	0	19	26	30
12 PM	7	14	8	3	3	0	0	0	0	0	0	0	0	0	35	26	32
13:00	6	9	9	2	0	0	0	0	0	0	0	0	0	0	26	23	26
14:00	7	8	11	2	0	0	0	0	0	0	0	0	0	0	28	24	26
15:00	8	8	15	5	2	0	0	0	0	0	0	0	0	0	38	26	30
16:00	10	14	11	9	4	0	0	0	0	0	0	0	0	0	48	28	31
17:00	17	13	9	9	7	0	0	0	0	0	0	0	0	0	55	29	33
18:00	13	14	11	6	1	0	0	0	0	0	0	0	0	0	45	25	28
19:00	12	25	13	0	0	0	0	0	0	0	0	0	0	0	50	22	24
20:00	9	22	8	4	0	0	0	0	0	0	0	0	0	0	43	23	27
21:00	7	7	5	4	1	0	0	0	0	0	0	0	0	0	24	26	29
22:00	3	9	7	4	1	0	0	0	0	0	0	0	0	0	24	26	29
23:00	3	3	4	1	0	0	0	0	0	0	0	0	0	0	11	24	27
Total	140	165	130	58	21	0	0	0	0	0	0	0	0	0	514		
Percent	27.2%	32.1%	25.3%	11.3%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	09:00	10:00										08:00		
Vol.	24	7	7	3	1										39		
PM Peak	17:00	19:00	15:00	16:00	17:00										17:00		
Vol.	17	25	15	9	7										55		

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY NB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Direction 1

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
08/24/17	1	6	1	1	0	0	0	0	0	0	0	0	0	0	9	23	27
01:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5	26	28
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	29
04:00	3	0	0	3	0	0	0	0	0	0	0	0	0	0	6	28	29
05:00	2	3	0	1	0	0	0	0	0	0	0	0	0	0	6	25	28
06:00	14	4	1	0	0	0	0	0	0	0	0	0	0	0	19	17	20
07:00	30	9	5	2	1	0	0	0	0	0	0	0	0	0	47	20	26
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	51	24	8	9	1	0	0	0	0	0	0	0	0	0	93		
Percent	54.8%	25.8%	8.6%	9.7%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	04:00	07:00										07:00		
Vol.	30	9	5	3	1										47		
PM Peak																	
Vol.																	
Total	191	189	138	67	22	0	0	0	0	0	0	0	0	0	607		
Percent	31.5%	31.1%	22.7%	11.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 7 MPH
50th Percentile : 17 MPH
85th Percentile : 24 MPH
95th Percentile : 29 MPH

Stats 10 MPH Pace Speed : 16-25 MPH
Number in Pace : 327
Percent in Pace : 53.9%
Number of Vehicles > 25 MPH : 89
Percent of Vehicles > 25 MPH : 14.7%
Mean Speed(Average) : 18 MPH

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY SB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	2	0	0	2	0	1	0	0	0	0	0	0	0	0	5	36	38
10:00	0	2	0	1	4	0	0	0	0	0	0	0	0	0	7	33	34
11:00	1	3	2	2	0	0	0	0	0	0	0	0	0	0	8	27	28
12 PM	0	2	3	6	0	0	1	0	0	0	0	0	0	0	12	29	41
13:00	2	3	0	3	1	0	0	0	0	0	0	0	0	0	9	29	32
14:00	8	4	3	3	0	0	0	0	0	0	0	0	0	0	18	25	28
15:00	3	0	1	6	0	0	0	0	0	0	0	0	0	0	10	28	29
16:00	5	0	7	3	2	1	0	0	0	0	0	0	0	0	18	30	35
17:00	4	4	6	3	1	1	0	0	0	0	0	0	0	0	19	28	35
18:00	3	2	3	5	0	0	0	0	0	0	0	0	0	0	13	28	29
19:00	8	5	5	4	1	0	0	0	0	0	0	0	0	0	23	26	29
20:00	7	3	5	3	2	0	0	0	0	0	0	0	0	0	20	28	32
21:00	4	1	1	0	2	1	0	0	0	0	0	0	0	0	9	34	37
22:00	4	1	2	0	0	1	0	0	0	0	0	0	0	0	8	24	37
23:00	1	1	1	0	2	0	0	0	0	0	0	0	0	0	5	33	34
Total	52	31	39	41	15	5	1	0	0	0	0	0	0	0	184		
Percent	28.3%	16.8%	21.2%	22.3%	8.2%	2.7%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	11:00	11:00	09:00	10:00	09:00									11:00		
Vol.	2	3	2	2	4	1									8		
PM Peak	14:00	19:00	16:00	12:00	16:00	16:00	12:00								19:00		
Vol.	8	5	7	6	2	1	1								23		

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MONTEREY SB
Monterey Ave. at Sidonia St.
Date Start: 23-Aug-17

Direction 1																	
Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/24/17	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	28	29
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	34
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	1	1	4	0	0	1	0	0	0	0	0	0	0	0	7	24	38
05:00	0	0	3	3	1	0	1	0	0	0	0	0	0	0	8	34	43
06:00	0	2	8	0	2	0	0	0	0	0	0	0	0	0	12	30	33
07:00	2	3	8	8	3	2	0	0	0	0	0	0	0	0	26	31	36
08:00	0	3	3	0	1	1	0	0	0	0	0	0	0	0	8	34	38
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	9	26	12	8	4	1	0	0	0	0	0	0	0	64		
Percent	6.3%	14.1%	40.6%	18.8%	12.5%	6.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	06:00	07:00	07:00	07:00	05:00								07:00		
Vol.	2	3	8	8	3	2	1								26		
PM Peak																	
Vol.																	
Total	56	40	65	53	23	9	2	0	0	0	0	0	0	0	248		
Percent	22.6%	16.1%	26.2%	21.4%	9.3%	3.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :		9 MPH												
			50th Percentile :		22 MPH												
			85th Percentile :		29 MPH												
			95th Percentile :		34 MPH												

Stats

10 MPH Pace Speed : 21-30 MPH

Number in Pace : 118

Percent in Pace : 47.6%

Number of Vehicles > 25 MPH : 87

Percent of Vehicles > 25 MPH : 35.1%

Mean Speed(Average) : 22 MPH

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA EB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	6	6	1	0	0	0	0	0	0	0	0	0	0	0	13	19	21
10:00	2	6	2	0	0	0	0	0	0	0	0	0	0	0	10	21	23
11:00	9	2	0	0	0	0	0	0	0	0	0	0	0	0	11	15	18
12 PM	10	9	4	0	0	0	0	0	0	0	0	0	0	0	23	20	23
13:00	8	5	0	0	0	0	0	0	0	0	0	0	0	0	13	18	19
14:00	6	3	0	0	0	0	0	0	0	0	0	0	0	0	9	17	19
15:00	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5	19	19
16:00	3	6	0	0	0	0	0	0	0	0	0	0	0	0	9	18	19
17:00	7	16	0	0	0	0	0	0	0	0	0	0	0	0	23	18	19
18:00	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5	19	19
19:00	9	7	1	0	0	0	0	0	0	0	0	0	0	0	17	18	20
20:00	7	4	2	0	0	0	0	0	0	0	0	0	0	0	13	20	23
21:00	3	5	1	0	0	0	0	0	0	0	0	0	0	0	9	19	22
22:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	22	24
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
Total	73	79	12	0	0	0	0	0	0	0	0	0	0	0	164		
Percent	44.5%	48.2%	7.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	09:00	10:00												09:00		
Vol.	9	6	2												13		
PM Peak	12:00	17:00	12:00												12:00		
Vol.	10	16	4												23		

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA EB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Direction 1																	
Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/24/17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	14
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	19	19
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	19	19
04:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	18	19
05:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5	21	23
06:00	5	6	1	0	0	0	0	0	0	0	0	0	0	0	12	19	21
07:00	9	15	2	0	0	0	0	0	0	0	0	0	0	0	26	19	21
08:00	4	10	0	0	0	0	0	0	0	0	0	0	0	0	14	18	19
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	22	39	4	0	0	0	0	0	0	0	0	0	0	0	65		
Percent	33.8%	60.0%	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00												07:00		
Vol.	9	15	2												26		
PM Peak																	
Vol.																	
Total	95	118	16	0	0	0	0	0	0	0	0	0	0	0	229		
Percent	41.5%	51.5%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :		5 MPH												
			50th Percentile :		15 MPH												
			85th Percentile :		19 MPH												
			95th Percentile :		21 MPH												

Stats

10 MPH Pace Speed : 11-20 MPH

Number in Pace : 150

Percent in Pace : 65.5%

Number of Vehicles > 25 MPH : 0

Percent of Vehicles > 25 MPH : 0.0%

Mean Speed(Average) : 14 MPH

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA WB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
08/23/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
10:00	2	3	0	1	0	0	0	0	0	0	0	0	0	0	6	25	28
11:00	6	1	0	0	0	0	0	0	0	0	0	0	0	0	7	14	18
12 PM	6	5	1	0	0	0	0	0	0	0	0	0	0	0	12	19	21
13:00	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7	17	19
14:00	8	5	0	0	0	0	0	0	0	0	0	0	0	0	13	18	19
15:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	17	19
16:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	23	24
17:00	6	3	1	0	0	0	0	0	0	0	0	0	0	0	10	19	22
18:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4	17	19
19:00	6	1	1	0	0	0	0	0	0	0	0	0	0	0	8	18	22
20:00	7	1	2	1	0	0	0	0	0	0	0	0	0	0	11	23	27
21:00	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7	17	19
22:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	17	19
23:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
Total	62	27	6	2	0	0	0	0	0	0	0	0	0	0	97		
Percent	63.9%	27.8%	6.2%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	10:00		10:00											11:00		
Vol.	6	3		1											7		
PM Peak	14:00	12:00	20:00	20:00											14:00		
Vol.	8	5	2	1											13		

Attachment: Speed (Sidonia Yield)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: SIDONIA WB
Sidonia St. at Monterey Ave.
Date Start: 23-Aug-17

Direction 1																	
Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
08/24/17	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	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
04:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	18	19
05:00	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4	19	19
06:00	3	4	0	0	0	0	0	0	0	0	0	0	0	0	7	18	19
07:00	6	2	1	0	0	0	0	0	0	0	0	0	0	0	9	19	22
08:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	18	19
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	13	13	1	0	0	0	0	0	0	0	0	0	0	0	27		
Percent	48.1%	48.1%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	06:00	07:00												07:00		
Vol.	6	4	1												9		
PM Peak																	
Vol.																	
Total	75	40	7	2	0	0	0	0	0	0	0	0	0	0	124		
Percent	60.5%	32.3%	5.6%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :		3 MPH												
			50th Percentile :		12 MPH												
			85th Percentile :		18 MPH												
			95th Percentile :		22 MPH												
Stats		10 MPH Pace Speed :		11-20 MPH													
		Number in Pace :		65													
		Percent in Pace :		52.4%													
		Number of Vehicles > 25 MPH :		2													
		Percent of Vehicles > 25 MPH :		1.6%													
		Mean Speed(Average) :		12 MPH													

Attachment: Speed (Sidonia Yield)

CITY OF HANFORD

Public Works - Engineering

Location : Monterey Ave. at Sidonia St.
 Weather : Clear & Dry
 Operator : SPD

Station :
 Start Date : 08/23/17
 Day : Wednesday

Begin Time	NB	SB	sub total	EB	WB	sub total	Total
12:00 AM	9	2	11	0	0	0	11
1:00	5	1	6	1	0	1	7
2:00	0	0	0	3	0	3	3
3:00	1	0	1	2	1	3	4
4:00	6	7	13	2	2	4	17
5:00	6	8	14	5	4	9	23
6:00	19	12	31	12	7	19	50
7:00	47	26	73	26	9	35	108
8:00	39	8	47	14	4	18	65
9:00	20	5	25	13	2	15	40
10:00	9	7	16	10	6	16	32
11:00	19	8	27	11	7	18	45
12:00 PM	35	12	47	23	12	35	82
1:00	26	9	35	13	7	20	55
2:00	28	18	46	9	13	22	68
3:00	38	10	48	5	3	8	56
4:00	48	18	66	9	2	11	77
5:00	55	19	74	23	10	33	107
6:00	45	13	58	5	4	9	67
7:00	50	23	73	17	8	25	98
8:00	43	20	63	13	11	24	87
9:00	24	9	33	9	7	16	49
10:00	24	8	32	3	3	6	38
11:00	11	5	16	1	2	3	19

Daily Totals	607	248	855	229	124	353	1,208
Split %	50.2	20.5		19.0	10.3		

AM Peak
 Volume **108**

PM Peak
 Volume **107**

Attachment: Monterey-Sidonia-17 (Sidonia Yield)

LOCATION: Monterey Avenue and Sidonia Street

WARRANTS FOR TWO-WAY STOP SIGNS

Stop signs may be considered on the minor approach(es) of an intersection if any two of the following conditions exist:

SATISFIED

1. VOLUMES

Yes ☐ No ☒

A. Total Vehicular volume on the major street must be 500 vehicles per day,

or 50 vehicles per hour during the peak hour on an average day. Yes ☒ No ☐

B. Total Vehicular volume on the minor street must be 250 vehicles per day,

or 25 vehicles per hour during the peak hour on an average day. Yes ☐ No ☒

2. VISIBILITY

Yes ☐ No ☒

A safe approach speed on the minor street is less than the 85th percentile speed and indicates a visibility problem.

3. ACCIDENTS

Yes ☐ No ☒

Three or more accidents within the last 12 months that are correctable by Positive assignment of right-of-way.

3. UNUSUAL CONDITIONS

Yes ☐ No ☒

Where an unusual condition exists at an intersection and an engineering study indicates the problem would be susceptible to correction by use of a two-way stop. Unusual conditions may include the following:

- a. Adjacent to a school or park.
- b. Geometric conditions.
- c. Severity of accidents.

LOCATION: Monterey Avenue at Sidonia Street

WARRANTS FOR YIELD SIGNS

Stop signs may be considered on the minor approach(es) of an intersection if any of the following conditions exist:

SATISFIED

1. VOLUMES

Yes ☒ No ☐

A. Total Vehicular volume on the major street must be 350 vehicles per day,
or 35 vehicles per hour during the peak hour on an average day. Yes ☒ No ☐

B. Total Vehicular volume on the minor street must be 175 vehicles per day,
or 15 vehicles per hour during the peak hour on an average day. Yes ☒ No ☐

2. VISIBILITY

Yes ☐ No ☒

A safe approach speed on the minor street is less than the 85th percentile speed
and indicates a visibility problem.

3. ACCIDENTS

Yes ☐ No ☒

Two or more accidents within any 12 month period during the last 3 years
that are correctable by positive assignment of right-of-way.

4. UNUSUAL CONDITIONS

Yes ☐ No ☒

Geometric conditions that necessitate an assignment of right-of-way to prevent
confusion and expedite traffic flow.

Attachment: Monterey-Sidonia_YIELD SIGNS (Sidonia Yield)



AGENDA STAFF REPORT

MEETING DATE: 9/28/2017	AGENDA SECTION: 6
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SUBJECT:

Intersection Study - Douty Street at Center Street / Tenth Street

RECOMMENDATION

That no changes be made to the intersection of Douty Street at Center Street/Tenth Street.

DISCUSSION

Staff received a request to place STOP signs on Douty Street at Center Street/Tenth Street to create an All-Way Stop at the intersection. It was commented that there have been a few accidents at the intersection due to no stopping control and visibility issues. To address this concern, staff conducted an intersection study of the location.

The study location is the intersection of Douty Street and Center Street/Tenth Street with north/south bound traffic on Douty Street and east/west bound traffic on Center Street and Tenth Streets. There are currently STOP signs on Center Street and Tenth Street. Douty Street is a two lane arterial road with a curb width of 50'. The 85th percentile speed for north bound is 25 MPH and 29 MPH for south bound. Center Street is a two lane road with a curb width of 38' and Tenth Street has a curb width of 52'. The speed limit on all four legs of the intersection is 25 MPH. The entering volume summary shows the majority of the traffic is on Douty Street. (3,249-north bound and 3,167-south bound). Center Street volume is 1,051 east bound and Tenth Street volume is 677 west bound. In the last five years, there have been eleven accidents at this intersection with no accidents reported in the last year.

Warrants for an All-Way STOP sign were checked. It was determined that the intersection does NOT meet the minimum warrants for the All-Way STOP signs.

Staff recommends that no changes be made to the intersection of Douty Street at Center Street/Tenth Street. Attached is an aerial photo of the area, Warrants for All-Way Stop Sign and entering Vehicle Volume summary.

Respectfully submitted,

Shawn Dailey, Secretary
Engineering Technician, II

FISCAL IMPACT:

ATTACHMENTS:

Douty-Center aerial
Volume
Speed
Douty-Center-ALL-WAY STOP



Attachment: Douthett-Center aerial (Intersection Study)



City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER EB
Center St. at Douty St.
Date Start: 07-Mar-17

Start Time	Mon 06-Mar-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	4	*	*	4	*	*	4
01:00	*	*	7	*	*	7	*	*	7
02:00	*	*	3	*	*	3	*	*	3
03:00	*	*	0	*	*	0	*	*	0
04:00	*	*	0	*	*	0	*	*	0
05:00	*	*	5	*	*	5	*	*	5
06:00	*	*	7	*	*	7	*	*	7
07:00	*	*	12	*	*	12	*	*	12
08:00	*	*	24	*	*	24	*	*	24
09:00	*	*	72	*	*	72	*	*	72
10:00	*	*	68	*	*	68	*	*	68
11:00	*	*	90	*	*	90	*	*	90
12:00 PM	*	92	*	*	*	92	*	*	92
01:00	*	84	*	*	*	84	*	*	84
02:00	*	93	*	*	*	93	*	*	93
03:00	*	90	*	*	*	90	*	*	90
04:00	*	103	*	*	*	103	*	*	103
05:00	*	96	*	*	*	96	*	*	96
06:00	*	66	*	*	*	66	*	*	66
07:00	*	60	*	*	*	60	*	*	60
08:00	*	33	*	*	*	33	*	*	33
09:00	*	16	*	*	*	16	*	*	16
10:00	*	19	*	*	*	19	*	*	19
11:00	*	7	*	*	*	7	*	*	7
Total	0	759	292	0	0	1051	0	0	1051
% Avg. WkDay	0.0%	72.2%	27.8%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	72.2%	27.8%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	-	-	11:00	-	-	11:00
Vol.	-	-	90	-	-	90	-	-	90
PM Peak	-	16:00	-	-	-	16:00	-	-	16:00
Vol.	-	103	-	-	-	103	-	-	103
Total	0	759	292	0	0	1051	0	0	1051
ADT	ADT 1,058		AADT 1,058						

Attachment: Volume (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER WB
Tenth St. at Douty St.
Date Start: 07-Mar-17

Start Time	Mon 06-Mar-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	1	*	*	1	*	*	1
01:00	*	*	0	*	*	0	*	*	0
02:00	*	*	0	*	*	0	*	*	0
03:00	*	*	0	*	*	0	*	*	0
04:00	*	*	0	*	*	0	*	*	0
05:00	*	*	1	*	*	1	*	*	1
06:00	*	*	4	*	*	4	*	*	4
07:00	*	*	8	*	*	8	*	*	8
08:00	*	*	14	*	*	14	*	*	14
09:00	*	*	16	*	*	16	*	*	16
10:00	*	*	37	*	*	37	*	*	37
11:00	*	*	64	*	*	64	*	*	64
12:00 PM	*	*	70	*	*	70	*	*	70
01:00	*	79	*	*	*	79	*	*	79
02:00	*	60	*	*	*	60	*	*	60
03:00	*	59	*	*	*	59	*	*	59
04:00	*	65	*	*	*	65	*	*	65
05:00	*	63	*	*	*	63	*	*	63
06:00	*	49	*	*	*	49	*	*	49
07:00	*	37	*	*	*	37	*	*	37
08:00	*	22	*	*	*	22	*	*	22
09:00	*	17	*	*	*	17	*	*	17
10:00	*	9	*	*	*	9	*	*	9
11:00	*	2	*	*	*	2	*	*	2
Total	0	462	215	0	0	677	0	0	677
% Avg. WkDay	0.0%	68.2%	31.8%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	68.2%	31.8%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	-	-	-	11:00	-	-
Vol.	-	-	64	-	-	-	64	-	-
PM Peak	-	13:00	12:00	-	-	-	13:00	-	-
Vol.	-	79	70	-	-	-	79	-	-
Total	0	462	215	0	0	677	0	0	677
ADT	ADT 666		AADT 666						

Attachment: Volume (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: DOUTY NB
Douty St. at Center St.
Date Start: 07-Mar-17

Start Time	Mon 06-Mar-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	22	*	*	22	*	*	22
01:00	*	*	15	*	*	15	*	*	15
02:00	*	*	5	*	*	5	*	*	5
03:00	*	*	2	*	*	2	*	*	2
04:00	*	*	4	*	*	4	*	*	4
05:00	*	*	2	*	*	2	*	*	2
06:00	*	*	14	*	*	14	*	*	14
07:00	*	*	37	*	*	37	*	*	37
08:00	*	*	101	*	*	101	*	*	101
09:00	*	*	233	*	*	233	*	*	233
10:00	*	*	183	*	*	183	*	*	183
11:00	*	*	218	*	*	218	*	*	218
12:00 PM	*	*	239	*	*	239	*	*	239
01:00	*	249	*	*	*	249	*	*	249
02:00	*	265	*	*	*	265	*	*	265
03:00	*	251	*	*	*	251	*	*	251
04:00	*	290	*	*	*	290	*	*	290
05:00	*	290	*	*	*	290	*	*	290
06:00	*	284	*	*	*	284	*	*	284
07:00	*	197	*	*	*	197	*	*	197
08:00	*	149	*	*	*	149	*	*	149
09:00	*	91	*	*	*	91	*	*	91
10:00	*	76	*	*	*	76	*	*	76
11:00	*	32	*	*	*	32	*	*	32
Total	0	2174	1075	0	0	3249	0	0	3249
% Avg. WkDay	0.0%	66.9%	33.1%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	66.9%	33.1%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	09:00	-	-	09:00	-	-	09:00
Vol.	-	-	233	-	-	233	-	-	233
PM Peak	-	16:00	12:00	-	-	16:00	-	-	16:00
Vol.	-	290	239	-	-	290	-	-	290
Total	0	2174	1075	0	0	3249	0	0	3249
ADT	ADT 3,262		AADT 3,262						

Attachment: Volume (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: DOUTY SB
Douty St. at Center St.
Date Start: 07-Mar-17

Start Time	Mon 06-Mar-17	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	12	*	*	12	*	*	12
01:00	*	*	2	*	*	2	*	*	2
02:00	*	*	1	*	*	1	*	*	1
03:00	*	*	2	*	*	2	*	*	2
04:00	*	*	0	*	*	0	*	*	0
05:00	*	*	11	*	*	11	*	*	11
06:00	*	*	30	*	*	30	*	*	30
07:00	*	*	54	*	*	54	*	*	54
08:00	*	*	148	*	*	148	*	*	148
09:00	*	*	241	*	*	241	*	*	241
10:00	*	*	229	*	*	229	*	*	229
11:00	*	*	200	*	*	200	*	*	200
12:00 PM	*	*	248	*	*	248	*	*	248
01:00	*	237	*	*	*	237	*	*	237
02:00	*	243	*	*	*	243	*	*	243
03:00	*	242	*	*	*	242	*	*	242
04:00	*	275	*	*	*	275	*	*	275
05:00	*	253	*	*	*	253	*	*	253
06:00	*	246	*	*	*	246	*	*	246
07:00	*	192	*	*	*	192	*	*	192
08:00	*	122	*	*	*	122	*	*	122
09:00	*	89	*	*	*	89	*	*	89
10:00	*	54	*	*	*	54	*	*	54
11:00	*	26	*	*	*	26	*	*	26
Total	0	1979	1178	0	0	3157	0	0	3157
% Avg. WkDay	0.0%	62.7%	37.3%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	62.7%	37.3%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	09:00	-	-	09:00	-	-	09:00
Vol.	-	-	241	-	-	241	-	-	241
PM Peak	-	16:00	12:00	-	-	16:00	-	-	16:00
Vol.	-	275	248	-	-	275	-	-	275
Total	0	1979	1178	0	0	3157	0	0	3157
ADT	ADT 3,162		AADT 3,162						

Attachment: Volume (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER EB
Center St. at Douty St.
Date Start: 07-Mar-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/07/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	40	35	15	2	0	0	0	0	0	0	0	0	0	0	92	21	24
13:00	42	31	11	0	0	0	0	0	0	0	0	0	0	0	84	19	23
14:00	44	36	13	0	0	0	0	0	0	0	0	0	0	0	93	19	23
15:00	33	37	19	1	0	0	0	0	0	0	0	0	0	0	90	21	24
16:00	40	50	12	1	0	0	0	0	0	0	0	0	0	0	103	19	23
17:00	35	44	16	1	0	0	0	0	0	0	0	0	0	0	96	20	23
18:00	17	29	19	1	0	0	0	0	0	0	0	0	0	0	66	22	24
19:00	10	39	10	1	0	0	0	0	0	0	0	0	0	0	60	21	24
20:00	7	18	8	0	0	0	0	0	0	0	0	0	0	0	33	21	23
21:00	4	7	4	1	0	0	0	0	0	0	0	0	0	0	16	23	25
22:00	4	13	2	0	0	0	0	0	0	0	0	0	0	0	19	19	22
23:00	1	5	1	0	0	0	0	0	0	0	0	0	0	0	7	19	23
Total	277	344	130	8	0	0	0	0	0	0	0	0	0	0	759		
Percent	36.5%	45.3%	17.1%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	14:00 44	16:00 50	15:00 19	12:00 2											16:00 103		

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER EB
Center St. at Douty St.
Date Start: 07-Mar-17

Direction 1																	
Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/08/17	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	23	24
01:00	3	2	2	0	0	0	0	0	0	0	0	0	0	0	7	22	24
02:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	18	19
03:00	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	*	*
05:00	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5	23	24
06:00	2	3	2	0	0	0	0	0	0	0	0	0	0	0	7	22	24
07:00	3	4	4	1	0	0	0	0	0	0	0	0	0	0	12	23	26
08:00	6	14	4	0	0	0	0	0	0	0	0	0	0	0	24	20	23
09:00	18	35	18	1	0	0	0	0	0	0	0	0	0	0	72	22	24
10:00	23	33	11	1	0	0	0	0	0	0	0	0	0	0	68	20	23
11:00	28	49	13	0	0	0	0	0	0	0	0	0	0	0	90	19	23
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	86	145	58	3	0	0	0	0	0	0	0	0	0	0	292		
Percent	29.5%	49.7%	19.9%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	09:00	07:00											11:00		
Vol.	28	49	18	1											90		
PM Peak																	
Vol.																	
Total	363	489	188	11	0	0	0	0	0	0	0	0	0	0	1051		
Percent	34.5%	46.5%	17.9%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
			15th Percentile :		6 MPH												
			50th Percentile :		16 MPH												
			85th Percentile :		21 MPH												
			95th Percentile :		23 MPH												

Stats

10 MPH Pace Speed : 16-25 MPH

Number in Pace : 677

Percent in Pace : 64.4%

Number of Vehicles > 25 MPH : 11

Percent of Vehicles > 25 MPH : 1.0%

Mean Speed(Average) : 16 MPH

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER WB
Tenth St. at Douty St.
Date Start: 07-Mar-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/07/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	68	11	0	0	0	0	0	0	0	0	0	0	0	0	79	14	18
14:00	53	7	0	0	0	0	0	0	0	0	0	0	0	0	60	14	17
15:00	49	9	1	0	0	0	0	0	0	0	0	0	0	0	59	15	18
16:00	54	11	0	0	0	0	0	0	0	0	0	0	0	0	65	15	18
17:00	54	8	1	0	0	0	0	0	0	0	0	0	0	0	63	14	18
18:00	41	8	0	0	0	0	0	0	0	0	0	0	0	0	49	15	18
19:00	34	2	1	0	0	0	0	0	0	0	0	0	0	0	37	13	17
20:00	17	5	0	0	0	0	0	0	0	0	0	0	0	0	22	16	18
21:00	15	1	1	0	0	0	0	0	0	0	0	0	0	0	17	14	20
22:00	6	3	0	0	0	0	0	0	0	0	0	0	0	0	9	17	19
23:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
Total	393	65	4	0	0	0	0	0	0	0	0	0	0	0	462		
Percent	85.1%	14.1%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	13:00 68	13:00 11	15:00 1												13:00 79		

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: CENTER WB
Tenth St. at Douty St.
Date Start: 07-Mar-17

Direction 1																	
Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/08/17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
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	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
06:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4	22	24
07:00	6	2	0	0	0	0	0	0	0	0	0	0	0	0	8	17	19
08:00	7	7	0	0	0	0	0	0	0	0	0	0	0	0	14	18	19
09:00	10	6	0	0	0	0	0	0	0	0	0	0	0	0	16	17	19
10:00	27	9	1	0	0	0	0	0	0	0	0	0	0	0	37	17	19
11:00	56	8	0	0	0	0	0	0	0	0	0	0	0	0	64	14	17
12 PM	61	9	0	0	0	0	0	0	0	0	0	0	0	0	70	14	18
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	168	45	2	0	0	0	0	0	0	0	0	0	0	0	215		
Percent	78.1%	20.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	10:00	06:00												11:00		
Vol.	56	9	1												64		
PM Peak	12:00	12:00													12:00		
Vol.	61	9													70		
Total	561	110	6	0	0	0	0	0	0	0	0	0	0	0	677		
Percent	82.9%	16.2%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 2 MPH
 50th Percentile : 9 MPH
 85th Percentile : 15 MPH
 95th Percentile : 18 MPH

Stats
 10 MPH Pace Speed : 1-10 MPH
 Number in Pace : 374
 Percent in Pace : 55.2%
 Number of Vehicles > 25 MPH : 0
 Percent of Vehicles > 25 MPH : 0.0%
 Mean Speed(Average) : 10 MPH

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: DOUTY NB
Douty St. at Center St.
Date Start: 07-Mar-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/07/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	72	73	72	28	4	0	0	0	0	0	0	0	0	0	249	24	28
14:00	40	59	102	52	10	1	1	0	0	0	0	0	0	0	265	27	29
15:00	32	73	90	49	7	0	0	0	0	0	0	0	0	0	251	26	29
16:00	33	59	105	76	16	1	0	0	0	0	0	0	0	0	290	28	30
17:00	36	42	102	83	26	1	0	0	0	0	0	0	0	0	290	29	32
18:00	47	37	99	77	21	3	0	0	0	0	0	0	0	0	284	28	32
19:00	23	51	63	51	9	0	0	0	0	0	0	0	0	0	197	27	29
20:00	126	6	12	4	1	0	0	0	0	0	0	0	0	0	149	15	23
21:00	91	0	0	0	0	0	0	0	0	0	0	0	0	0	91	12	14
22:00	76	0	0	0	0	0	0	0	0	0	0	0	0	0	76	12	14
23:00	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32	12	14
Total	608	400	645	420	94	6	1	0	0	0	0	0	0	0	2174		
Percent	28.0%	18.4%	29.7%	19.3%	4.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	20:00 126	13:00 73	16:00 105	17:00 83	17:00 26	18:00 3	14:00 1								16:00 290		

Attachment: Speed (Intersection Study)

City of Hanford

900 S. 10th Avenue
Hanford, CA 93230

Site Code: DOUTY NB
Douty St. at Center St.
Date Start: 07-Mar-17

Direction 1																	
Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/08/17	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22	12	14
01:00	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15	12	14
02:00	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	14
03:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	23	24
04:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	14
05:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
06:00	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14	12	14
07:00	37	0	0	0	0	0	0	0	0	0	0	0	0	0	37	12	14
08:00	100	1	0	0	0	0	0	0	0	0	0	0	0	0	101	12	14
09:00	231	2	0	0	0	0	0	0	0	0	0	0	0	0	233	12	14
10:00	183	0	0	0	0	0	0	0	0	0	0	0	0	0	183	12	14
11:00	218	0	0	0	0	0	0	0	0	0	0	0	0	0	218	12	14
12 PM	239	0	0	0	0	0	0	0	0	0	0	0	0	0	239	12	14
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	1071	3	1	0	0	0	0	0	0	0	0	0	0	0	1075		
Percent	99.6%	0.3%	0.1%	0.0%	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	03:00												09:00		
Vol.	231	2	1												233		
PM Peak	12:00														12:00		
Vol.	239														239		
Total	1679	403	646	420	94	6	1	0	0	0	0	0	0	0	3249		
Percent	51.7%	12.4%	19.9%	12.9%	2.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 4 MPH
50th Percentile : 14 MPH
85th Percentile : 25 MPH
95th Percentile : 29 MPH

Stats
10 MPH Pace Speed : 6-15 MPH
Number in Pace : 1119
Percent in Pace : 34.4%
Number of Vehicles > 25 MPH : 521
Percent of Vehicles > 25 MPH : 16.0%
Mean Speed(Average) : 16 MPH

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: DOUTY SB
Douty St. at Center St.
Date Start: 07-Mar-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/07/17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	29	81	89	22	2	0	0	0	0	0	0	0	0	237	29	32
14:00	25	27	76	82	29	4	0	0	0	0	0	0	0	0	243	29	33
15:00	6	32	94	86	23	1	0	0	0	0	0	0	0	0	242	29	32
16:00	8	8	99	123	35	2	0	0	0	0	0	0	0	0	275	29	33
17:00	3	23	96	105	22	4	0	0	0	0	0	0	0	0	253	29	33
18:00	7	19	72	110	31	7	0	0	0	0	0	0	0	0	246	30	34
19:00	7	12	68	84	19	2	0	0	0	0	0	0	0	0	192	29	32
20:00	0	6	41	61	12	2	0	0	0	0	0	0	0	0	122	29	33
21:00	4	10	25	38	11	1	0	0	0	0	0	0	0	0	89	29	33
22:00	0	3	8	25	14	3	1	0	0	0	0	0	0	0	54	33	37
23:00	1	3	4	12	4	2	0	0	0	0	0	0	0	0	26	32	36
Total	75	172	664	815	222	30	1	0	0	0	0	0	0	0	1979		
Percent	3.8%	8.7%	33.6%	41.2%	11.2%	1.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	14:00 25	15:00 32	16:00 99	16:00 123	16:00 35	18:00 7	22:00 1								16:00 275		

Attachment: Speed (Intersection Study)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: DOUTY SB
Douty St. at Center St.
Date Start: 07-Mar-17

Direction 1

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
03/08/17	0	0	3	2	6	0	1	0	0	0	0	0	0	0	12	34	41
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	29	29
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	34
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	14
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	3	3	1	1	1	2	0	0	0	0	0	0	0	0	11	35	38
06:00	4	1	5	8	8	3	1	0	0	0	0	0	0	0	30	34	39
07:00	0	3	5	19	20	6	1	0	0	0	0	0	0	0	54	34	38
08:00	2	4	24	63	43	11	1	0	0	0	0	0	0	0	148	33	37
09:00	22	12	51	105	42	9	0	0	0	0	0	0	0	0	241	31	34
10:00	9	32	75	89	23	1	0	0	0	0	0	0	0	0	229	29	32
11:00	8	22	74	76	19	1	0	0	0	0	0	0	0	0	200	29	32
12 PM	15	45	106	65	14	3	0	0	0	0	0	0	0	0	248	28	31
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	65	122	344	430	177	36	4	0	0	0	0	0	0	0	1178		
Percent	5.5%	10.4%	29.2%	36.5%	15.0%	3.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	10:00	10:00	09:00	08:00	08:00	00:00									09:00	
Vol.	22	32	75	105	43	11	1									241	
PM Peak	12:00	12:00	12:00	12:00	12:00	12:00										12:00	
Vol.	15	45	106	65	14	3										248	
Total	140	294	1008	1245	399	66	5	0	0	0	0	0	0	0		3157	
Percent	4.4%	9.3%	31.9%	39.4%	12.6%	2.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH
 50th Percentile : 25 MPH
 85th Percentile : 29 MPH
 95th Percentile : 33 MPH

Stats 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 2253
 Percent in Pace : 71.4%
 Number of Vehicles > 25 MPH : 1715
 Percent of Vehicles > 25 MPH : 54.3%
 Mean Speed(Average) : 25 MPH

Attachment: Speed (Intersection Study)

LOCATION: Douty Street at Center Street/Tenth Street

WARRANTS FOR ALL-WAY STOP SIGNS

Multi-Way Stops may be considered at an intersection if any of the following conditions exist:

SATISFIED

1. TRAFFIC SIGNALS

Yes ☐ No ☒

Where traffic signals are warranted and the need is urgent, the four-way stop is an interim measure that can be installed quickly to control traffic while arrangements are being for the signal installation.

2. ACCIDENTS

Yes ☐ No ☒

An accident problem, as indicated by five (5) or more reported accidents of a type susceptible to correction by a four-way stop sign installation in a 12-month period. Types of accidents susceptible to correction include right angle and left turn collisions.

3. UNUSUAL CONDITIONS

Yes ☒ No ☐

Where an unusual condition exists at an intersection and an engineering study indicates the problem would be susceptible to correction by use of a four-way stop. Unusual conditions may include the following:

a. Adjacent to a school or park.

⑥ Geometric conditions.

Intersecting minor is offset.

c. Severity of accidents.

4. VOLUMES (Choose Option 1 or Option 2)

Yes ☐ No ☒

1. The 85% Approach Speed Exceeds 35 MPH.
(Both volumes criteria must be met)

- (a) The total vehicular volume entering the intersections from all approaches must average at least 210 vehicles per hour for any eight (8) hours of an average day, and
- Yes ☐ No ☐

- (b) The combined vehicular and pedestrian volume from the minor street or highway must average at least 140 units per hour for the same eight (8) hours with an average delay to minor street vehicular traffic of at least 30 seconds per vehicle during the maximum hour.
- Yes ☐ No ☐

2. The 85% Approach Speed is Less Than 35 MPH.
(Both volumes criteria must be met)

(a) The total vehicular volume entering the intersections from all approaches must average at least 300 vehicles per hour for any eight (8) hours of an average day, and Yes ☒ No ☐

(b) The combined vehicular and pedestrian volume from the minor street or highway must average at least 200 units per hour for the same eight (8) hours with an average delay to minor street vehicular traffic of at least 30 seconds per vehicle during the maximum hour. Yes ☐ No ☒



**AGENDA
STAFF REPORT**

MEETING DATE: 9/28/2017	AGENDA SECTION: 7
--------------------------------	--------------------------

SUBJECT:

Additional Parking - Tenth Street and Harris Street

FISCAL IMPACT:

ATTACHMENTS:

Harris-10th parking

DOUTY STREET

TENTH STREET

HARRIS STREET

SCALE: 1"=40'



Attachment: Harris-10th parking (Additional Parking)



**AGENDA
STAFF REPORT**

MEETING DATE: 9/28/2017

AGENDA SECTION: 8

SUBJECT:

Downtown Parking Study

FISCAL IMPACT:

ATTACHMENTS:

Downtown Parking Report



~~NTS~~

CITY OF HANFORD

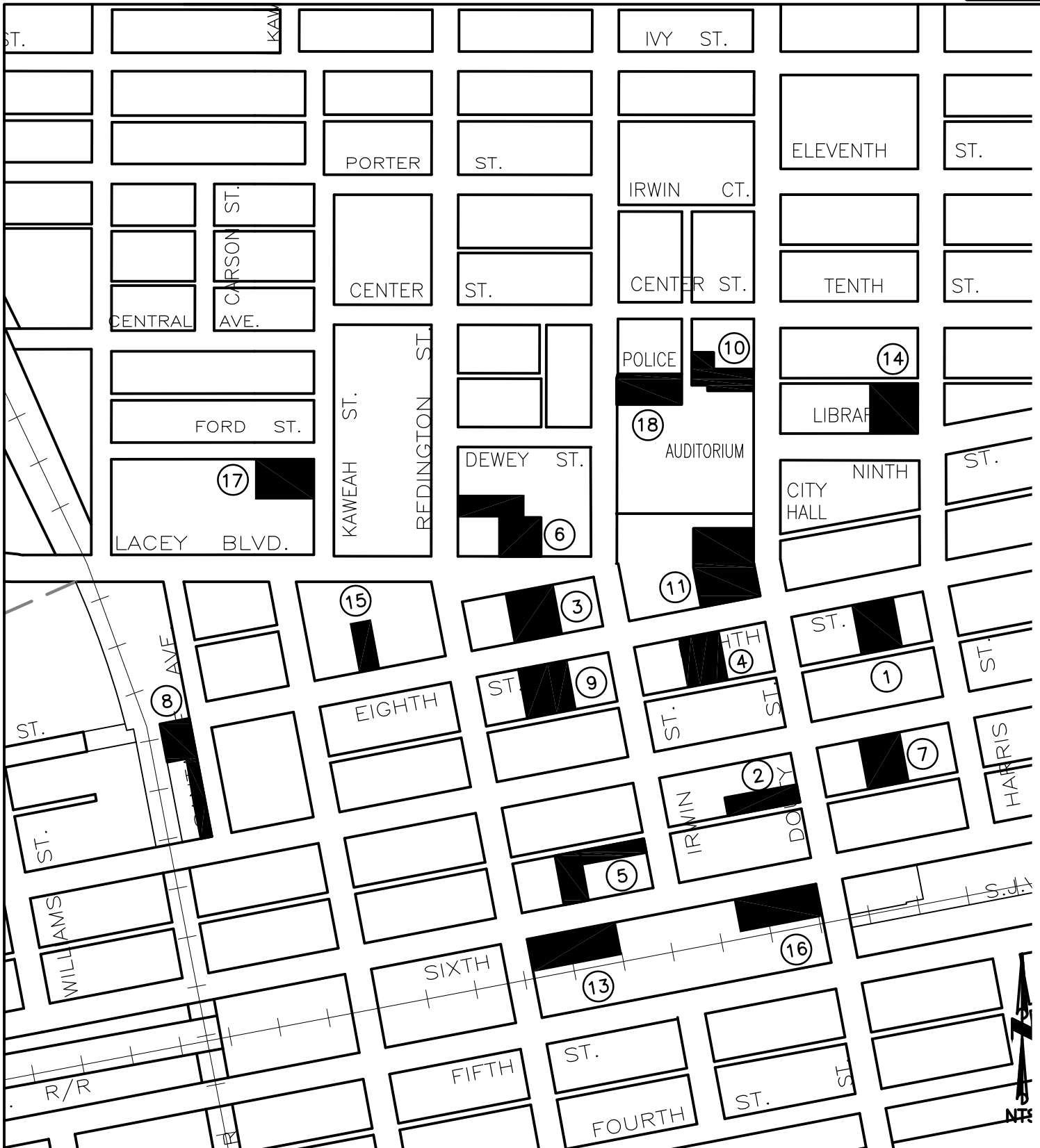
ON-STREET PARKING

ON STREET PARKING INVENTORY

	ADA	2 HR.	UNLIMITED	20 MIN.	LOADING	totals
Sixth St.						
R/R to Phillips						
Phillips to Redington			18		1	19
Redington to Irwin			23	2	1	26
Irwin to Douty		27	1		1	29
Douty to Harris		11	6		2	19
Harris to 10th Ave.						
Seventh St.						
R/R to Santa Fe				1		1
Santa Fe to Phillips			6	1		7
Phillips to Redington		23		2		25
Redington to Irwin		26				26
Irwin to Douty		36				36
Douty to Harris		21	8		2	31
Harris to Brown			19			19
Brown to Green			26			26
Green to White			40		1	41
White to 10th Ave.						
Lacey Blvd.						
R/R to Redington						
Redington to Irwin		12	7	4		23
Eighth St.						
Phillips to Redington		6	13	3		22
Redington to Irwin		25		4		29
Irwin to Douty		17				17
Douty to Harris		38	7			45
Harris to Brown			48			48
Ninth St.						
Douty to Harris	1	3	37		1	42
Harris to Brown						0
Brown to 10th Ave.						0
Dewey St.						
Irwin to Redington			26			26
Tenth St						
Douty to 10th Ave.						
Center St.						
Redington to Irwin			25	1		26
Irwin to Douty			28			28

ON STREET PARKING INVENTORY

	ADA	2 HR.	UNLIMITED	20 MIN.	LOADING	TOTAL
Sante Fe Ave.						
Seventh to Eighth			22			22
Eighth to Lacey		signs				
Phillips St.						
Sixth to Lacey		1				1
Redington St.						
Sixth to Seventh			11	3		14
Seventh to Eighth			16	1		17
Eighth to Lacey			6			6
Lacey to Ivy						
Irwin St.						
Sixth to Seventh		24		1		25
Seventh to Eighth		22				22
Eighth to Lacey		7		5		12
Lacey to Dewey	1	22		1	1	25
Dewey to Center	1	5	6	3	1	16
Center to Porter			6	9		15
Porter to Ivy			21	1		22
Douty St.						
Sixth to Seventh		17		1		18
Seventh to Eighth		20		1		21
Eight to Ninth		20		4		24
Ninth to Tenth		4	20			24
Tenth to Ivy				1		1
Harris St.						
Sixth to Seventh		2				2
Seventh to Eighth			17	1		18
Eight to Ninth			28			28
Ninth to Tenth			29			29
Brown St.						
Green St.						
Sixth to Seventh			9	1		10
Seventh to Ivy						
totals	3	389	529	51	11	983



Attachment: Downtown Parking Report (Downtown Parking)

07/13

CITY OF HANFORD

MUNICIPAL PARKING LOTS

LOCATION MAP

EXISTING PARKING LOT INVENTORY

MAP #	PARKING LOT	ADDRESS	ADA	2 HR.	UNLIMITED	20 MIN.	LOAD	OTHER	totals	AVERAGE USAGE
										10am -2pm
1	CARNEGIE MUSEUM (11)	100 BLK E EIGHTH	3		58				61	44%
2	DOUTY STREET (8)	100 BLK N DOUTY	1	16					17	88%
3	EIGHTH/LACEY (12)	200 BLK W EIGHTH / LACEY	2		38				40	57%
4	HANFORD PLAZA (4)	100 BLK W EIGHTH	2		61				63	69%
5	IRWIN/SIXTH (2)	200 BLK W SIXTH	3		52				55	77%
6	LACEY/REDINGTON	COR. LACEY/REDINGTON	4	29	36				69	71%
7	METRO/HAN FURN (10)	100 BLK E SEVENTH	3		58				61	68%
8	SANTA FE	200 BLK N SANTA FE	2	6	39		2		49	77%
9	WKMAN/VAN ANDEL (1)	200 BLK W EIGHTH	3	26	26				55	84%
10	AUDITORIUM	400 BLK N DOUTY	2		30				32	71%
11	COURTHOUSE SQ	COR DOUTY / EIGHTH	2		47				49	55%
13	HOTEL	200 BLK W SIXTH	3		66				69	25%
14	LIBRARY	400 BLK N HARRIS	3		59				62	38%
15	McDONALD'S	300 BLK W EIGHTH	2		28				30	89%
16	SIXTH STREET	100 BLK W SIXTH	3		65				68	42%
17	SWIMMING POOL	COR KAWEAH / FORD	3		47				50	6%
18	VETERAN'S/POLICE	400 BLK N IRWIN	2		14			2	18	71%
TOTALS			43	77	724	0	2	2	848	61%

% total usage

EXISTING PARKING INVENTORY

MAP # 1	CARNEGIE MUSEUM (11)	100 BLK E. EIGHTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			58				
	3/7/2017	3:15 PM	1	33%		29	50%			
	3/9/2017	8:25 AM	0	0%		17	29%			
	3/9/2017	2:34 PM	1	33%		31	53%			
	3/10/2017	12:04 PM	1	33%		30	52%			
	3/13/2017	10:45 AM	0	0%		26	45%			
	3/14/2017	1:30 PM	1	33%		26	45%			
	3/16/2017	9:50 AM	0	0%		23	40%			
	3/17/2017	11:02 AM	2	67%		25	43%			
		10am-2pm Average		44%						

EXISTING PARKING INVENTORY

MAP # 2	DOUTY STREET (8)	100 BLK N. DOUTY	ADA	% USAGE	2 HR.	% USAGE	NO LIMIT	20 MIN.	LOAD	OTHER
	DATE	TIME	1		16					
	3/7/2017	3:23 PM	0	0%	15	94%				
	3/9/2017	8:35 AM	0	0%	10	63%				
	3/9/2017	2:40 PM	1	100%	14	88%				
	3/10/2017	12:07 PM	1	100%	15	94%				
	3/13/2017	10:49 AM	0	0%	9	56%				
	3/14/2017	1:34 PM	1	100%	15	94%				
	3/16/2017	9:54 AM	0	0%	15	94%				
	3/17/2017	11:27 AM	1	100%	16	100%				
		10am-2pm Average		88%						

EXISTING PARKING INVENTORY

MAP # 3	EIGHTH / LACEY (12)	200 BLK W. EIGHTH / LACEY	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	2			38				
	3/7/2017	3:44 PM	0	0%		18	47%			
	3/9/2017	8:38 AM	0	0%		8	21%			
	3/9/2017	2:49 PM	1	50%		26	68%			
	3/10/2017	12:15 PM	0	0%		18	47%			
	3/13/2017	10:53 AM	0	0%		19	50%			
	3/14/2017	1:41 PM	0	0%		22	58%			
	3/16/2017	10:02 AM	0	0%		25	66%			
	3/17/2017	11:32 AM	1	50%		19	50%			
10am-2pm Average				57%						

EXISTING PARKING INVENTORY

MAP # 4	HANFORD PLAZA (4)	100 BLK W. EIGHTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	2			61				
	3/9/2017	8:28 AM	0	0%		18	30%			
	3/9/2017	2:38 PM	1	50%		41	67%			
	3/10/2017	12:13 PM	1	50%		51	84%			
	3/13/2017	10:47 AM	0	0%		32	52%			
	3/14/2017	1:32 PM	0	0%		40	66%			
	3/16/2017	9:52 AM	0	0%		37	61%			
	3/17/2017	11:24 AM	1	50%		45	74%			
		10am-2pm Average		69%						

EXISTING PARKING INVENTORY

MAP # 5	IRWIN / SIXTH (2)	200 BLK W. SIXTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			52				
	3/7/2017	3:28 PM	2	67%		35	67%			
	3/9/2017	8:32 AM	2	67%		42	81%			
	3/9/2017	2:43 PM	1	33%		38	73%			
	3/10/2017	12:09 PM	1	33%		25	48%			
	3/13/2017	10:51 AM	0	0%		47	90%			
	3/14/2017	1:39 PM	2	67%		39	75%			
	3/16/2017	9:57 AM	1	33%		50	96%			
	3/17/2017	11:29 AM	1	33%		40	77%			
		10am-2pm Average		77%						

EXISTING PARKING INVENTORY

[illegible]

EXISTING PARKING INVENTORY

MAP # 7	METRO / HAN FURN (10)	100 BLK E. SEVENTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			58				
	3/7/2017	8:15 AM	0	0%		23	40%			
	3/7/2017	3:00 PM	0	0%		30	52%			
	3/8/2017	1:35 PM	0	0%		41	71%			
	3/8/2017	11:00 AM	1	33%		39	67%			
	3/9/2017	9:00 AM	0	0%		30	52%			
	3/9/2017	3:30 PM	0	0%		43	74%			
	3/10/2017	10:05 AM	2	67%		44	76%			
	3/10/2017	12:15 PM	0	0%		40	69%			
	3/13/2017	8:45 AM	0	0%		23	40%			
	3/14/2017	9:16 AM	0	0%		39	67%			
	3/15/2017	2:05 PM	1	33%		48	83%			
	3/16/2017	3:18 PM	0	0%		37	64%			
	3/17/2017	8:30 AM	0	0%		26	45%			
		10am-2pm Average		68%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 8	SANTA FE	200 BLK N. SANTA FE	ADA	% USAGE	2 HR.	% USAGE	NO LIMIT	% USAGE	20 MIN.	LOAD
	DATE	TIME	2		6		39			2
	3/7/2017	8:00 AM	1	50%	1	17%	31	79%		
	3/7/2017	2:30 PM	1	50%	3	50%	26	67%		
	3/8/2017	1:15 PM	0	0%	1	17%	31	79%		
	3/8/2017	11:25 AM	0	0%	3	50%	32	82%		
	3/9/2017	9:30 AM	0	0%	2	33%	26	67%		
	3/9/2017	3:25 PM	1	50%	0	0%	31	79%		
	3/10/2017	10:15 AM	0	0%	1	17%	32	82%		
	3/10/2017	12:20 PM	1	50%	4	67%	33	85%		
	3/13/2017	9:20 AM	2	100%	2	33%	24	62%		
	3/14/2017	9:00 AM	1	50%	1	17%	17	44%		
	3/15/2017	2:25 PM	0	0%	1	17%	19	49%		
	3/16/2017	3:09 PM	1	50%	1	17%	29	74%		
	3/17/2017	8:10 AM	0	0%	0	0%	24	62%		
		10am-2pm Average		77%						

EXISTING PARKING INVENTORY

MAP # 9	WRKMAN / VAN ANDEL (1)	ADDRESS	ADA	% USAGE	2 HR.	% USAGE	NO LIMIT	% USAGE	20 MIN.	LOAD
	DATE	TIME	3		26		26			
	3/7/2017	8:30 AM	0	0%	1	4%	10	38%		
	3/7/2017	2:40 PM	2	67%	22	85%	24	92%		
	3/8/2017	1:20 PM	2	67%	13	50%	21	81%		
	3/8/2017	11:20 AM	1	33%	15	58%	24	92%		
	3/9/2017	9:20 AM	1	33%	16	62%	15	58%		
	3/9/2017	3:10 PM	0	0%	20	77%	22	85%		
	3/10/2017	10:20 AM	0	0%	24	92%	21	81%		
	3/10/2017	12:25 PM	0	0%	24	92%	19	73%		
	3/13/2017	9:10 AM	0	0%	11	42%	11	42%		
	3/14/2017	9:05 AM	2	67%	13	50%	13	50%		
	3/15/2017	2:15 PM	0	0%	12	46%	22	85%		
	3/16/2017	3:05 PM	2	67%	24	92%	22	85%		
	3/17/2017	8:15 AM	0	0%	1	4%	10	38%		
		10am-2pm Average		84%						

EXISTING PARKING INVENTORY

MAP # 10	WRKMAN / VAN ANDEL (1)	ADDRESS	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD
	DATE	TIME	2			30			
	3/7/2017	8:10 AM	0	0%		24	80%		
	3/7/2017	2:50 PM	0	0%		21	70%		
	3/8/2017	1:23 PM	1	50%		19	63%		
	3/8/2017	11:15 AM	0	0%		24	80%		
	3/9/2017	9:15 AM	0	0%		25	83%		
	3/9/2017	3:15 PM	0	0%		24	80%		
	3/10/2017	10:30 AM	0	0%		21	70%		
	3/10/2017	12:30 PM	0	0%		23	77%		
	3/13/2017	9:05 AM	0	0%		28	93%		
	3/14/2017	9:14 AM	0	0%		28	93%		
	3/15/2017	2:20 PM	0	0%		20	67%		
	3/16/2017	3:14 PM	0	0%		22	73%		
	3/17/2017	8:20 AM	0	0%		21	70%		
		10am-2pm Average		71%					

EXISTING PARKING INVENTORY

MAP # 11	COURTHOUSE SQ	COR DOUTY / EIGHT	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	2			47				
	3/7/2017	8:45 AM	0	0%		10	21%			
	3/7/2017	3:05 PM	0	0%		24	51%			
	3/8/2017	1:25 PM	2	100%		31	66%			
	3/8/2017	11:05 AM	2	100%		34	72%			
	3/9/2017	9:25 AM	0	0%		24	51%			
	3/9/2017	3:10 PM	1	50%		30	64%			
	3/10/2017	10:25 AM	0	0%		21	45%			
	3/10/2017	12:35 PM	0	0%		21	45%			
	3/13/2017	9:00 AM	1	50%		8	17%			
	3/14/2017	9:12 AM	0	0%		20	43%			
	3/15/2017	2:10 PM	1	50%		18	38%			
	3/16/2017	3:11 PM	0	0%		31	66%			
	3/17/2017	8:25 AM	0	0%		9	19%			
		10am-2pm Average		55%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 13	HOTEL	200 BLK W SIXTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			66				
	3/6/2017	2:44 PM	0	0%		15	23%			
	3/7/2017	8:00 AM	1	33%		14	21%			
	3/7/2017	10:29 AM	0	0%		16	24%			
	3/7/2017	1:24 PM	0	0%		19	29%			
	3/8/2017	12:40 PM	0	0%		16	24%			
	3/9/2017	10:35 AM	1	33%		18	27%			
	3/10/2017	2:44 PM	0	0%		14	21%			
	3/13/2017	9:46 AM	0	0%		17	26%			
	3/14/2017	3:03 PM	2	67%		14	21%			
	3/15/2017	2:43 PM	0	0%		42	64%			
	3/16/2017	10:53 AM	0	0%		14	21%			
	3/17/2017	8:32 AM	1	33%		18	27%			
		10am-2pm Average		25%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 14	LIBRARY	400 BLK N HARRIS	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			59				
	3/6/2017	2:59 PM	0	0%		26	44%			
	3/7/2017	8:07 AM	0	0%		19	32%			
	3/7/2017	10:18 AM	0	0%		23	39%			
	3/7/2017	1:15 PM	0	0%		27	46%			
	3/8/2017	12:46 PM	0	0%		30	51%			
	3/9/2017	10:41 PM	0	0%		19	32%			
	3/10/2017	2:51 PM	0	0%		15	25%			
	3/13/2017	9:40 AM	0	0%		12	20%			
	3/14/2017	2:59 PM	0	0%		17	29%			
	3/15/2017	2:50 PM	0	0%		24	41%			
	3/16/2017	11:00 AM	0	0%		22	37%			
	3/17/2017	8:38 AM	0	0%		12	20%			
		10am-2pm Average		38%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 15	McDONALD'S	300 BLK W EIGHTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	2			28				
	3/6/2017	2:47 PM	1	50%		16	57%			
	3/7/2017	7:54 AM	0	0%		8	29%			
	3/7/2017	10:35 AM	0	0%		28	100%			
	3/7/2017	2:47 PM	1	50%		16	57%			
	3/7/2017	1:18 PM	1	50%		25	89%			
	3/8/2017	12:50 PM	1	50%		25	89%			
	3/9/2017	10:31 AM	1	50%		24	86%			
	3/10/2017	2:47 PM	1	50%		25	89%			
	3/13/2017	9:43 AM	1	50%		20	71%			
	3/14/2017	3:01 PM	1	50%		21	75%			
	3/15/2017	2:45 PM	1	50%		28	100%			
	3/16/2017	10:56 AM	2	100%		28	100%			
	3/17/2017	8:34 AM	0	0%		15	54%			
		10am-2pm Average		89%						

EXISTING PARKING INVENTORY

MAP # 16	SIXTH STREET	100 BLK W SIXTH	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			65				
	3/6/2017	2:42 PM	1	33%		24	37%			
	3/7/2017	8:01 AM	0	0%		18	28%			
	3/7/2017	10:31 AM	0	0%		30	46%			
	3/7/2017	1:26 PM	0	0%		28	43%			
	3/8/2017	12:42 PM	0	0%		25	38%			
	3/9/2017	10:36 AM	0	0%		25	38%			
	3/10/2017	2:41 PM	0	0%		14	22%			
	3/13/2017	9:45 AM	0	0%		20	31%			
	3/14/2017	3:05 PM	0	0%		20	31%			
	3/15/2017	2:44 PM	0	0%		16	25%			
	3/16/2017	10:51 AM	0	0%		28	43%			
	3/17/2017	8:30 AM	0	0%		17	26%			
		10am-2pm Average		42%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 17	SWIMMING POOL	COR KAWEAH / FORD	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	3			47				
	3/6/2017	2:51 PM	0	0%		3	6%			
	3/7/2017	7:52 AM	0	0%		0	0%			
	3/7/2017	10:22 AM	0	0%		2	4%			
	3/7/2017	1:10 PM	0	0%		6	13%			
	3/8/2017	12:49 PM	0	0%		2	4%			
	3/9/2017	10:30 AM	0	0%		1	2%			
	3/10/2017	2:48 PM	0	0%		6	13%			
	3/13/2017	9:35 AM	0	0%		0	0%			
	3/14/2017	2:55 PM	0	0%		5	11%			
	3/15/2017	2:46 PM	0	0%		8	17%			
	3/16/2017	10:57 AM	0	0%		0	0%			
	3/17/2017	8:35 AM	0	0%		0	0%			
		10am-2pm Average		6%						

Attachment: Downtown Parking Report (Downtown Parking)

EXISTING PARKING INVENTORY

MAP # 18	VETERAN'S / POLICE	400 BLK N IRWIN	ADA	% USAGE	2 HR.	NO LIMIT	% USAGE	20 MIN.	LOAD	OTHER
	DATE	TIME	2			14				2
	3/6/2017	2:54 PM	2	100%		6	43%			
	3/7/2017	8:05 AM	1	50%		9	64%			
	3/7/2017	10:20 AM	1	50%		13	93%			
	3/7/2017	1:13 PM	0	0%		8	57%			
	3/8/2017	12:48 PM	1	50%		10	71%			
	3/9/2017	10:39 AM	0	0%		9	64%			
	3/10/2017	2:50 PM	0	0%		3	21%			
	3/13/2017	9:38 AM	1	50%		9	64%			
	3/14/2017	2:57 PM	0	0%		5	36%			
	3/15/2017	2:48 PM	0	0%		5	36%			
	3/16/2017	10:59 AM	0	0%		5	36%			
	3/17/2017	8:36 AM	1	50%		7	50%			
		10am-2pm Average		71%						

Attachment: Downtown Parking Report (Downtown Parking)



**AGENDA
STAFF REPORT**

MEETING DATE: 9/28/2017

AGENDA SECTION: 9

SUBJECT:
City Council Actions

FISCAL IMPACT:

ATTACHMENTS:
City Council Actions

CITY COUNCIL ACTIONS

Meeting of August 1, 2017

None to report.

Meeting of August 15, 2017

None to report.

Meeting of August 29, 2017

None to report.

Meeting of September 5, 2017

Meeting cancelled.

Special Meeting of September 12, 2017

None to report.

Meeting of September 19, 2017

- 1) Approve Notice of Completion for FY16/17 Slurry Seal Treatment Project.