

AGENDA

PARKING AND TRAFFIC COMMISSION of the CITY OF HANFORD

**COUNCIL CHAMBERS
400 N. Douty St.
5:30 PM, Thursday, January 28, 2016**

CALL TO ORDER

ROLL CALL

FLAG SALUTE

MINUTES APPROVAL

1. Approve minutes from the September, 24 2015 Parking & Traffic Commission 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 **five minutes** is allowed for each speaker. Please begin your comments by stating your name and providing your city of residence.*

STAFF REPORTS

2. 1279 : FORD STREET NO PARKING

STAFF COMMUNICATION

3. REQUEST FOR MULTI-WAY STOP AT SIXTH STREET AND IRWIN STREET
4. REQUEST FOR MULTI-WAY STOP AT MALONE STREET AND MIDDLETON STREET
5. PED BIKE PLAN UPDATE
6. 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: 1/28/2016	AGENDA SECTION: 1
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SUBJECT:

Approve minutes from the September, 24 2015 Parking & Traffic Commission meeting.

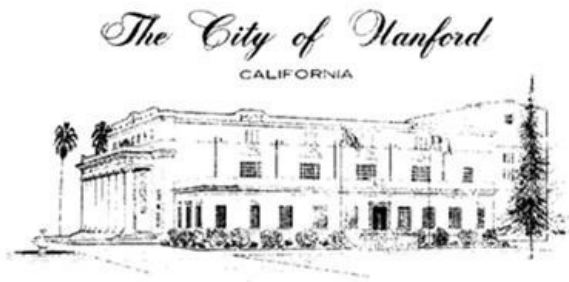
RECOMMENDATION:

That the Parking & Traffic Commission, by motion, approve the September, 24 2015 Parking & Traffic Commission minutes.

FISCAL IMPACT:

ATTACHMENTS:

9.24.15minutes



MINUTES
PARKING AND TRAFFIC COMMISSION
of the
CITY OF HANFORD

COUNCIL CHAMBERS
400 N. Douty St.
5:30 PM, Thursday, September 24, 2015

CALL TO ORDER

Chairman BUTTS called the meeting to order at 5:32 pm.

ROLL CALL

Attendee Name	T i t l e	St at us	Arr ive d
Richard Butts		Pr es ent	
Glenda Dwyer		Pr es ent	
James MacLellan		Pr es ent	
Shaka Sudds		Pr es ent	
Safwan Numi		Ab se nt	

FLAG SALUTE

Chairman BUTTS led the flag salute.

MINUTES APPROVAL

Attachment: 9.24.15minutes (1284 : Minutes Approval)

1. Approve Minutes of June 26, 2015

RESULT:	APPROVED [3 TO 0]
MOVER:	James MacLellan
SECONDER:	Shaka Sudds
AYES:	Butts, MacLellan, Sudds
ABSTAIN:	Dwyer
ABSENT:	Numi

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. This is also the public's opportunity to request an item from the Consent Calendar be pulled for discussion purposes or to comment on any item on the agenda. Comments related to Public Hearing items will be heard at the time the item is discussed. A maximum of **five minutes** is allowed for each speaker. Please begin your comments by stating your name and providing your city of residence.*

There were no comments given.

STAFF REPORTS

2. 2015 CITY-WIDE SPEED STUDY

Staff answered questions from Commissioners regarding the 2015 City-Wide Speed Study. Staff stated that issues of public safety are considered in the Speed Study, however, safety issues are looked at more heavily during a Traffic Study. Motion was made to pass the 2015 City-Wide Speed Study on to City Council with the correction to station #57 to remain 35 mph.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Glenda Dwyer
SECONDER:	Shaka Sudds
AYES:	Butts, Dwyer, MacLellan, Sudds
ABSENT:	Numi

STAFF COMMUNICATION

3. City Council Actions

Staff commented briefly on Actions of the City Council.

COMMISSIONERS ITEMS OF INTEREST

Commissioner SUDDS spoke about bicycle safety and would like the City to move forward with placing bike lanes throughout the city.

Commissioner DWYER stated that she spoke with Staff earlier regarding ADA parking along downtown streets. Staff stated that the ADA parking is located in several City parking lots located in the downtown area. The City believes this to be safer and avoids any traffic safety issues. The City tries to accommodate with the very limited available parking in the downtown area. Commissioner SUDDS stated that the City should consider placing ADA parking along downtown streets.

Commissioner DWYER stated that a citizen approached her regarding a sign located on Redington near Union Bank that states "Visitors Information This Way" and is pointing nowhere. Staff stated the sign will be investigated.

ADJOURNMENT

Commissioner BUTTS adjourned the meeting at 6:41 p.m.

Respectfully submitted,

Shawn Dailey
Secretary,
Senior Engineering Technician

Attachment: 9.24.15minutes (1284 : Minutes Approval)



AGENDA STAFF REPORT

MEETING DATE: 1/28/2016	AGENDA SECTION: 2
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SUBJECT:
FORD STREET NO PARKING

RECOMMENDATION:

That the Parking & Traffic Commission make a recommendation to the City Council to authorize the installation of No Parking Anytime signs along the south side of Ford Street between Park Avenue and Kaweah Street and to change Section 10.16.130 of the Hanford Municipal Code to include the south side of Ford Street as a No Parking zone.

DISCUSSION:

Staff received a request to investigate parking & traffic issues on Ford Street due to opening of the Kings Gun Center. Staff investigated and found that Ford Street is not wide enough to allow two lanes of traffic to flow safely with vehicle parking on both sides of the street.

Ford Street is an east-west bound street with a curb to curb width of 30' and approximately 633' in length. The speed limit is prima facie 25 MPH. There is residential on the north side of the street and sidewalk and fencing along the south side. To allow for safe flow of traffic on Ford Street staff recommends restricting parking on the south side of Ford Street and only allow parking on the north side which will allow for 2 - 10' travel lanes. See attached photo and drawing.

With the Parking & Traffic Commissions recommendation, staff would take the item to City Council to modify the Hanford Municipal Code to include the south side of Ford Street to be No Parking Anytime. Upon approval after the second reading, a 30 day waiting period would pass before the no parking signs and pavement markings be installed.

Respectfully submitted,

Shawn Dailey
Secretary
Senior Engineering Technician

FISCAL IMPACT:

ATTACHMENTS:

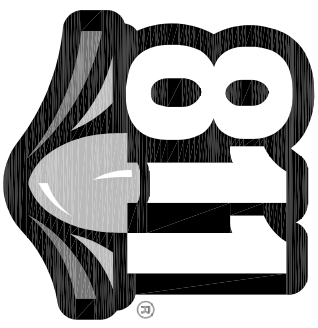
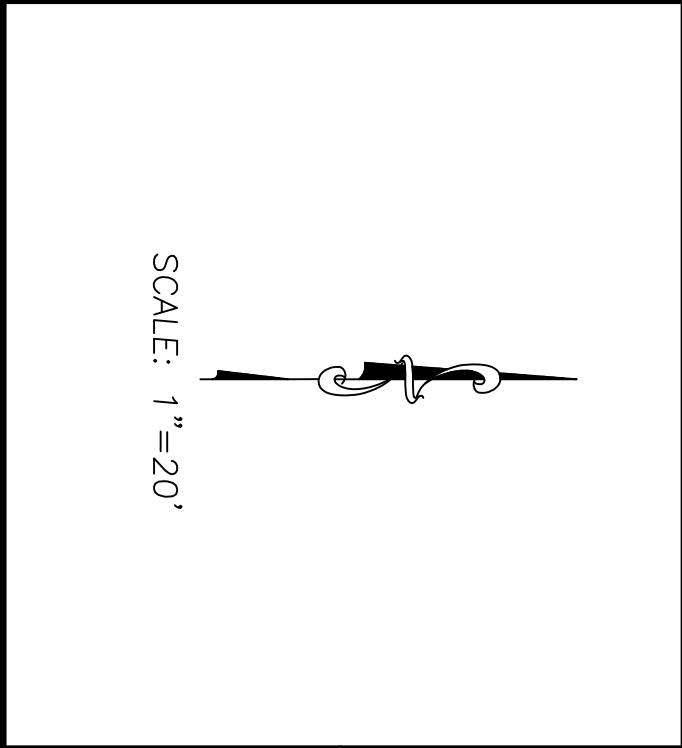
Ford St
Ford St Striping



Google earth



Attachment: Ford St (1279) : FORD STREET NO PARKING



Know what's below.
Call before you dig.

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH, AND DIMENSIONS OF SUCH STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT BUT ARE NOT GUARANTEED. THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND OR ENCOUNTERED JUST WHERE SHOWN OR THAT THEY REPRESENT ALL THE STRUCTURES RESPONSIBLE FOR LOCATING AND PROTECT OR REMOVE ALL STRUCTURES AS THE CASE MAY BE.

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES INCLUDING THE CITY OF HANFORD FOR FIELD LOCATION OF EXISTING FACILITIES. THE CITY OF HANFORD AT 559-95-2572 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY WORK.

No.	REVISIONS	DATE

FORD STREET STRIPING PLAN
PARK AVENUE TO KAWEAH STREET



CITY OF HANFORD

DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION

DESIGNED BY:	PROJECT ENGINEER
CHECKED BY:	
DRAWN BY:	
DATE:	1/6/2016
JOB No.	

SHEET 1 OF 1



AGENDA STAFF REPORT

MEETING DATE: 1/28/2016	AGENDA SECTION: 3
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SUBJECT:

REQUEST FOR MULTI-WAY STOP AT SIXTH STREET AND IRWIN STREET

RECOMMENDATION:

That the intersection of Sixth Street and Irwin Street remain as currently signed.

BACKGROUND:

Staff received a request from a citizen to place stop signs on Sixth Street at Irwin Street to make the intersection a multi-way stop. It was stated that speeds are too fast and it was difficult to see traffic. To address this concern staff conducted a traffic study at this intersection.

Irwin Street is a northbound-southbound street that tee's on the north side of Sixth Street. Irwin Street has width of 56' and has curb and gutter both sides. This width is adequate for a single lane in each direction with room to park. Irwin Street is prima facie 25 MPH. Sixth Street is an eastbound-westbound street with curb and gutter both sides and a width of 52' with single lane in each direction with room to park. The speed limit on is posted 35 MPH.

The entering volume summary shows the majority of traffic is on Sixth Street with 2,621 eastbound and 2,102 westbound and Irwin Street is 997. The 85th percentile speed on Irwin Street is 17 MPH. The 85th percentile on Sixth Street is 25 MPH eastbound and 23 MPH westbound. There have been no reported accidents at this intersection in the last five years.

The warrant for multi-way stop was checked. The intersection does not meet the traffic warrant for multi-way stop at this time.

Staff recommends that the intersection remain as currently signed.

Respectfully submitted,

Shawn Dailey
Secretary
Senior Engineering Technician

FISCAL IMPACT:

ATTACHMENTS:

Irwin-Sixth totals
Irwin-Sixth
Sixth-Irwin-EB
Sixth-Irwin-WB
Irwin-Sixth speed
Sixth-Irwin-speed EB
Sixth-Irwin-speed WB
Sixth-Irwin multiway
Sixth-Irwin-MULTI-WAY STOP SIGNS

CITY OF HANFORD

Public Works - Engineering

Location : Sixth St. at Irwin St.
 Weather : Clear & Dry
 Operator : SPD

Station : 0
 Start Date : 12/15/15
 Day : Tuesday

Begin Time	NB	SB	EB	WB	Total
12:00 AM	0	5	10	8	23
1:00	0	4	8	3	15
2:00	0	2	2	1	5
3:00	0	2	7	5	14
4:00	0	1	3	3	7
5:00	0	3	8	5	16
6:00	0	4	24	15	43
7:00	0	14	44	33	91
8:00	0	27	87	98	212
9:00	0	39	110	135	284
10:00	0	61	146	142	349
11:00	0	73	183	184	440
12:00 PM	0	78	244	156	478
1:00	0	73	243	220	536
2:00	0	91	233	170	494
3:00	0	97	203	167	467
4:00	0	74	233	200	507
5:00	0	96	266	179	541
6:00	0	103	215	141	459
7:00	0	61	146	90	297
8:00	0	46	94	64	204
9:00	0	21	62	51	134
10:00	0	17	31	19	67
11:00	0	5	19	13	37
Daily Totals	0	997	2,621	2,102	5,720
Split %	0.0	17.4	45.8	36.7	

AM Peak Volume 11:00 am 440
 PM Peak Volume 5:00 pm 541

Attachment: Irwin-Sixth totals (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN SB
Irwin St. at Sixth St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	5	*	*	5	*	*	5
01:00	*	*	4	*	*	4	*	*	4
02:00	*	*	2	*	*	2	*	*	2
03:00	*	*	2	*	*	2	*	*	2
04:00	*	*	1	*	*	1	*	*	1
05:00	*	*	3	*	*	3	*	*	3
06:00	*	*	4	*	*	4	*	*	4
07:00	*	*	14	*	*	14	*	*	14
08:00	*	*	27	*	*	27	*	*	27
09:00	*	*	39	*	*	39	*	*	39
10:00	*	*	61	*	*	61	*	*	61
11:00	*	*	73	*	*	73	*	*	73
12:00 PM	*	78	*	*	*	78	*	*	78
01:00	*	73	*	*	*	73	*	*	73
02:00	*	91	*	*	*	91	*	*	91
03:00	*	97	*	*	*	97	*	*	97
04:00	*	74	*	*	*	74	*	*	74
05:00	*	96	*	*	*	96	*	*	96
06:00	*	103	*	*	*	103	*	*	103
07:00	*	61	*	*	*	61	*	*	61
08:00	*	46	*	*	*	46	*	*	46
09:00	*	21	*	*	*	21	*	*	21
10:00	*	17	*	*	*	17	*	*	17
11:00	*	5	*	*	*	5	*	*	5
Total	0	762	235	0	0	997	0	0	997
% Avg. WkDay	0.0%	76.4%	23.6%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	76.4%	23.6%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	-	-	11:00	-	-	11:00
Vol.	-	-	73	-	-	73	-	-	73
PM Peak	-	18:00	-	-	-	18:00	-	-	18:00
Vol.	-	103	-	-	-	103	-	-	103
Total	0	762	235	0	0	997	0	0	997
ADT	ADT 1,005		AADT 1,005						

Attachment: Irwin-Sixth (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN EB
Sixth St. at Irwin St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	10	*	*	10	*	*	10
01:00	*	*	8	*	*	8	*	*	8
02:00	*	*	2	*	*	2	*	*	2
03:00	*	*	7	*	*	7	*	*	7
04:00	*	*	3	*	*	3	*	*	3
05:00	*	*	8	*	*	8	*	*	8
06:00	*	*	24	*	*	24	*	*	24
07:00	*	*	44	*	*	44	*	*	44
08:00	*	*	87	*	*	87	*	*	87
09:00	*	*	110	*	*	110	*	*	110
10:00	*	*	146	*	*	146	*	*	146
11:00	*	*	183	*	*	183	*	*	183
12:00 PM	*	*	244	*	*	244	*	*	244
01:00	*	243	*	*	*	243	*	*	243
02:00	*	233	*	*	*	233	*	*	233
03:00	*	203	*	*	*	203	*	*	203
04:00	*	233	*	*	*	233	*	*	233
05:00	*	266	*	*	*	266	*	*	266
06:00	*	215	*	*	*	215	*	*	215
07:00	*	146	*	*	*	146	*	*	146
08:00	*	94	*	*	*	94	*	*	94
09:00	*	62	*	*	*	62	*	*	62
10:00	*	31	*	*	*	31	*	*	31
11:00	*	19	*	*	*	19	*	*	19
Total	0	1745	876	0	0	2621	0	0	2621
% Avg. WkDay	0.0%	66.6%	33.4%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	66.6%	33.4%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	-	-	-	11:00	-	-
Vol.	-	-	183	-	-	-	183	-	-
PM Peak	-	17:00	12:00	-	-	-	17:00	-	-
Vol.	-	266	244	-	-	-	266	-	-
Total	0	1745	876	0	0	2621	0	0	2621
ADT	ADT 2,616		AADT 2,616						

Attachment: Sixth-Irwin-EB (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN WB
Sixth St. at Irwin St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	8	*	*	8	*	*	8
01:00	*	*	3	*	*	3	*	*	3
02:00	*	*	1	*	*	1	*	*	1
03:00	*	*	5	*	*	5	*	*	5
04:00	*	*	3	*	*	3	*	*	3
05:00	*	*	5	*	*	5	*	*	5
06:00	*	*	15	*	*	15	*	*	15
07:00	*	*	33	*	*	33	*	*	33
08:00	*	*	98	*	*	98	*	*	98
09:00	*	*	135	*	*	135	*	*	135
10:00	*	*	142	*	*	142	*	*	142
11:00	*	*	184	*	*	184	*	*	184
12:00 PM	*	156	*	*	*	156	*	*	156
01:00	*	220	*	*	*	220	*	*	220
02:00	*	170	*	*	*	170	*	*	170
03:00	*	167	*	*	*	167	*	*	167
04:00	*	200	*	*	*	200	*	*	200
05:00	*	179	*	*	*	179	*	*	179
06:00	*	141	*	*	*	141	*	*	141
07:00	*	90	*	*	*	90	*	*	90
08:00	*	64	*	*	*	64	*	*	64
09:00	*	51	*	*	*	51	*	*	51
10:00	*	19	*	*	*	19	*	*	19
11:00	*	13	*	*	*	13	*	*	13
Total	0	1470	632	0	0	2102	0	0	2102
% Avg. WkDay	0.0%	69.9%	30.1%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	69.9%	30.1%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	11:00	-	-	11:00	-	-	11:00
Vol.	-	-	184	-	-	184	-	-	184
PM Peak	-	13:00	-	-	-	13:00	-	-	13:00
Vol.	-	220	-	-	-	220	-	-	220
Total	0	1470	632	0	0	2102	0	0	2102
ADT	ADT 2,084		AADT 2,084						

Attachment: Sixth-Irwin-WB (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford

900 S. 10th Avenue
Hanford, CA 93230

Site Code: 6TH IRWIN SB
Irwin St. at Sixth St.
Date Start: 15-Dec-15

Direction 1

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	41	35	2	0	0	0	0	0	0	0	0	0	0	0	78
13:00	43	27	3	0	0	0	0	0	0	0	0	0	0	0	73
14:00	61	27	3	0	0	0	0	0	0	0	0	0	0	0	91
15:00	65	27	4	1	0	0	0	0	0	0	0	0	0	0	97
16:00	30	37	7	0	0	0	0	0	0	0	0	0	0	0	74
17:00	39	48	9	0	0	0	0	0	0	0	0	0	0	0	96
18:00	53	45	5	0	0	0	0	0	0	0	0	0	0	0	103
19:00	28	31	2	0	0	0	0	0	0	0	0	0	0	0	61
20:00	21	19	6	0	0	0	0	0	0	0	0	0	0	0	46
21:00	8	12	1	0	0	0	0	0	0	0	0	0	0	0	21
22:00	4	10	3	0	0	0	0	0	0	0	0	0	0	0	17
23:00	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
Total	395	319	47	1	0	0	0	0	0	0	0	0	0	0	762

Daily

15th Percentile : 5 MPH
 50th Percentile : 11 MPH
 85th Percentile : 17 MPH
 95th Percentile : 20 MPH

Mean Speed(Average) : 12 MPH
 10 MPH Pace Speed : 7-16 MPH
 Number in Pace : 447
 Percent in Pace : 58.7%
 Number of Vehicles > 25 MPH : 1
 Percent of Vehicles > 25 MPH : 0.1%

Attachment: Irwin-Sixth speed (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN SB
Irwin St. at Sixth St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
01:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
02:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
06:00	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
07:00	4	6	3	1	0	0	0	0	0	0	0	0	0	0	14
08:00	11	11	5	0	0	0	0	0	0	0	0	0	0	0	27
09:00	22	13	4	0	0	0	0	0	0	0	0	0	0	0	39
10:00	37	21	3	0	0	0	0	0	0	0	0	0	0	0	61
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	84	60	17	1	0	0	0	0	0	0	0	0	0	0	162

Daily

15th Percentile : 5 MPH
50th Percentile : 11 MPH
85th Percentile : 18 MPH
95th Percentile : 21 MPH

Mean Speed(Average) : 12 MPH

10 MPH Pace Speed : 6-15 MPH

Number in Pace : 93

Percent in Pace : 57.4%

Number of Vehicles > 25 MPH : 1

Percent of Vehicles > 25 MPH : 0.6%

Grand
Total

479	379	64	2	0	0	0	0	0	0	0	0	0	0	0	924
-----	-----	----	---	---	---	---	---	---	---	---	---	---	---	---	-----

Overall

15th Percentile : 5 MPH
50th Percentile : 11 MPH
85th Percentile : 17 MPH
95th Percentile : 20 MPH

Mean Speed(Average) : 12 MPH

10 MPH Pace Speed : 7-16 MPH

Number in Pace : 540

Percent in Pace : 58.4%

Number of Vehicles > 25 MPH : 2

Percent of Vehicles > 25 MPH : 0.2%

Attachment: Irwin-Sixth speed (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN EB
Sixth St. at Irwin St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	42	89	77	34	1	0	0	0	0	0	0	0	0	0	243
14:00	36	87	77	28	5	0	0	0	0	0	0	0	0	0	233
15:00	21	57	89	31	5	0	0	0	0	0	0	0	0	0	203
16:00	25	72	95	36	4	0	1	0	0	0	0	0	0	0	233
17:00	32	73	105	46	9	1	0	0	0	0	0	0	0	0	266
18:00	24	64	90	34	3	0	0	0	0	0	0	0	0	0	215
19:00	15	40	57	30	4	0	0	0	0	0	0	0	0	0	146
20:00	5	18	32	34	5	0	0	0	0	0	0	0	0	0	94
21:00	4	10	31	10	7	0	0	0	0	0	0	0	0	0	62
22:00	5	5	12	5	3	0	1	0	0	0	0	0	0	0	31
23:00	0	4	8	5	2	0	0	0	0	0	0	0	0	0	19
Total	209	519	673	293	48	1	2	0	0	0	0	0	0	0	1745

Daily

15th Percentile : 10 MPH
50th Percentile : 19 MPH
85th Percentile : 25 MPH
95th Percentile : 29 MPH

Mean Speed(Average) : 19 MPH
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 906
Percent in Pace : 51.9%
Number of Vehicles > 25 MPH : 344
Percent of Vehicles > 25 MPH : 19.7%

City of Hanford

900 S. 10th Avenue
Hanford, CA 93230

Site Code: 6TH IRWIN EB
Sixth St. at Irwin St.
Date Start: 15-Dec-15

Direction 1

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10
01:00	2	1	2	2	1	0	0	0	0	0	0	0	0	0	8
02:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	4	1	1	0	0	0	0	0	0	0	0	7
04:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
05:00	1	0	2	5	0	0	0	0	0	0	0	0	0	0	8
06:00	1	3	6	8	4	2	0	0	0	0	0	0	0	0	24
07:00	3	9	18	8	3	2	0	1	0	0	0	0	0	0	44
08:00	8	19	26	21	11	2	0	0	0	0	0	0	0	0	87
09:00	11	28	48	16	6	1	0	0	0	0	0	0	0	0	110
10:00	20	45	57	23	1	0	0	0	0	0	0	0	0	0	146
11:00	37	57	70	14	5	0	0	0	0	0	0	0	0	0	183
12 PM	37	99	76	30	2	0	0	0	0	0	0	0	0	0	244
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	121	264	311	136	35	8	0	1	0	0	0	0	0	0	876

Daily

15th Percentile : 9 MPH
50th Percentile : 18 MPH
85th Percentile : 25 MPH
95th Percentile : 30 MPH

Mean Speed(Average) : 19 MPH
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 432
Percent in Pace : 49.3%
Number of Vehicles > 25 MPH : 180
Percent of Vehicles > 25 MPH : 20.5%

Grand
Total

330 783 984 429 83 9 2 1 0 0 0 0 0 0 2621

Overall

15th Percentile : 10 MPH
50th Percentile : 19 MPH
85th Percentile : 25 MPH
95th Percentile : 29 MPH

Mean Speed(Average) : 19 MPH
10 MPH Pace Speed : 16-25 MPH
Number in Pace : 1338
Percent in Pace : 51.0%
Number of Vehicles > 25 MPH : 524
Percent of Vehicles > 25 MPH : 20.0%

Attachment: Sixth-Irwin-speed EB (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN WB
Sixth St. at Irwin St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	49	63	36	8	0	0	0	0	0	0	0	0	0	0	156
13:00	86	78	45	11	0	0	0	0	0	0	0	0	0	0	220
14:00	47	70	43	9	1	0	0	0	0	0	0	0	0	0	170
15:00	36	59	56	15	1	0	0	0	0	0	0	0	0	0	167
16:00	45	70	71	12	2	0	0	0	0	0	0	0	0	0	200
17:00	21	60	70	25	3	0	0	0	0	0	0	0	0	0	179
18:00	24	50	44	22	1	0	0	0	0	0	0	0	0	0	141
19:00	11	26	39	11	3	0	0	0	0	0	0	0	0	0	90
20:00	10	14	23	15	2	0	0	0	0	0	0	0	0	0	64
21:00	6	18	13	13	1	0	0	0	0	0	0	0	0	0	51
22:00	0	2	5	9	3	0	0	0	0	0	0	0	0	0	19
23:00	2	2	3	6	0	0	0	0	0	0	0	0	0	0	13
Total	337	512	448	156	17	0	0	0	0	0	0	0	0	0	1470

Daily

15th Percentile : 7 MPH

50th Percentile : 16 MPH

85th Percentile : 23 MPH

95th Percentile : 27 MPH

Mean Speed(Average) : 17 MPH

10 MPH Pace Speed : 14-23 MPH

Number in Pace : 700

Percent in Pace : 47.6%

Number of Vehicles > 25 MPH : 173

Percent of Vehicles > 25 MPH : 11.8%

Attachment: Sixth-Irwin-speed WB (1312 : Multi-way Stop Irwin at Sixth)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: 6TH IRWIN WB
Sixth St. at Irwin St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	2	2	2	2	0	0	0	0	0	0	0	0	0	0	8
01:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	1	1	0	1	2	0	0	0	0	0	0	0	0	0	5
04:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	1	0	2	0	2	0	0	0	0	0	0	0	0	0	5
06:00	1	2	6	6	0	0	0	0	0	0	0	0	0	0	15
07:00	11	8	6	8	0	0	0	0	0	0	0	0	0	0	33
08:00	22	22	35	17	1	1	0	0	0	0	0	0	0	0	98
09:00	28	48	45	9	4	1	0	0	0	0	0	0	0	0	135
10:00	36	52	42	11	1	0	0	0	0	0	0	0	0	0	142
11:00	48	82	43	11	0	0	0	0	0	0	0	0	0	0	184
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	151	220	183	66	10	2	0	0	0	0	0	0	0	0	632

Daily

15th Percentile : 7 MPH
 50th Percentile : 16 MPH
 85th Percentile : 23 MPH
 95th Percentile : 27 MPH

Mean Speed(Average) : 16 MPH
 10 MPH Pace Speed : 13-22 MPH
 Number in Pace : 296
 Percent in Pace : 46.8%
 Number of Vehicles > 25 MPH : 78
 Percent of Vehicles > 25 MPH : 12.3%

Grand
Total

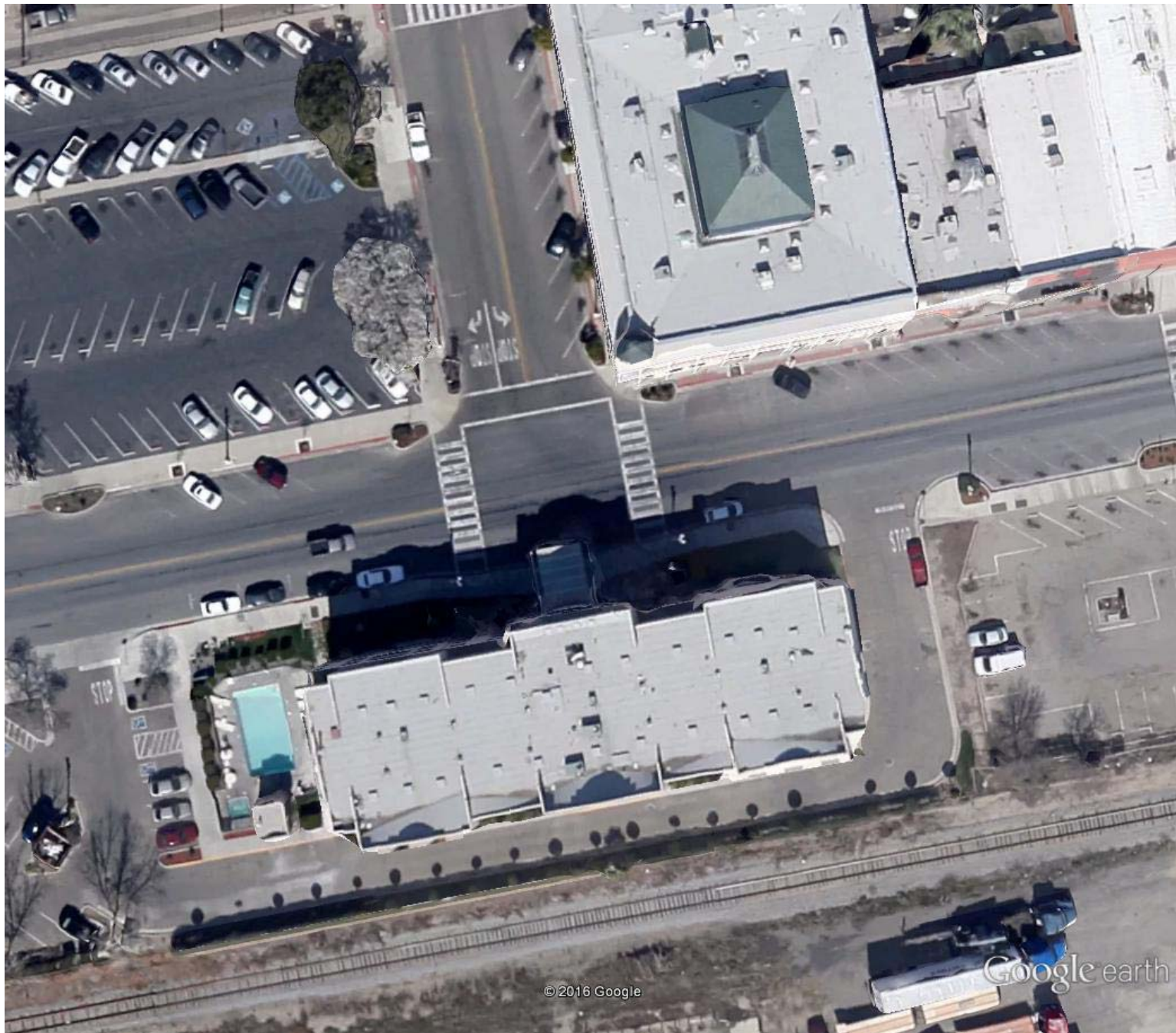
488 732 631 222 27 2 0 0 0 0 0 0 0 0 0 2102

Overall

15th Percentile : 7 MPH
 50th Percentile : 16 MPH
 85th Percentile : 23 MPH
 95th Percentile : 27 MPH

Mean Speed(Average) : 17 MPH
 10 MPH Pace Speed : 14-23 MPH
 Number in Pace : 996
 Percent in Pace : 47.4%
 Number of Vehicles > 25 MPH : 251
 Percent of Vehicles > 25 MPH : 11.9%

Attachment: Sixth-Irwin-speed WB (1312 : Multi-way Stop Irwin at Sixth)



Google earth

feet
meters



Attachment: Sixth-irwin multiway (1312 : Multi-way Stop Irwin at Sixth)



3.h

LOCATION: Sixth St. at Irwin St.

WARRANTS FOR MULTI-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.
- b. Geometric conditions.
- 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: 1/28/2016	AGENDA SECTION: 4
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SUBJECT:

REQUEST FOR MULTI-WAY STOP AT MALONE STREET AND MIDDLETON STREET

RECOMMENDATION:

That the intersection of Malone Street and Middleton Street remain as signed.

BACKGROUND:

Staff received a request from Hanford School District to place stop signs on Malone Street at Middleton Street to make the intersection a multi-way stop. It was stated that speeds are too fast on Malone Street and traffic backs up during drop-off and pick-up. To address this concern staff conducted a traffic study at this intersection.

Malone Street is an eastbound-westbound residential street and Middleton Street is a northbound-southbound residential street. Both streets have with curb and gutter on both sides with a width of 38'. This width is adequate for a single lane in each direction with room to park. Both streets are residential prima facie 25 MPH.

The entering volume summary shows the majority of traffic is on Malone Street with 773 and Middleton Street is 595. The 85th percentile speed on Malone Street is 23 MPH eastbound and 29 MPH westbound. The 85th percentile on Middleton Street is 12 MPH northbound and 15 MPH southbound. There have been no reported accidents at this intersection in the last five years.

The warrant for multi-way stop was checked. The intersection does not meet the traffic warrant for multi-way stop at this time.

Staff recommends that the intersection remain as currently signed.

Respectfully submitted,

Shawn Dailey
Secretary
Senior Engineering Technician

FISCAL IMPACT:

ATTACHMENTS:

Malone-Middleton
Middleton-Malone-NB
Middleton-Malone-SB
Malone-Middleton-EB
Malone-Middleton-WB
Middleton-Malone-speed NB
Middleton-Malone-speed SB
Malone-Middleton-speed EB
Malone-Middleton-speed WB
Malone-Middleton multiway
Malone-Middleton-MULTI-WAY STOP SIGNS

CITY OF HANFORD

Public Works - Engineering

Location : Malone St. at Middleton St.
 Weather : Clear & Dry
 Operator : SPD

Station : 0
 Start Date : 12/15/15
 Day : Tuesday

Begin Time	NB	SB	EB	WB	Total
12:00 AM	1	2	2	1	6
1:00	1	3	2	1	7
2:00	1	1	0	0	2
3:00	2	2	0	0	4
4:00	0	3	2	1	6
5:00	1	0	1	5	7
6:00	1	1	0	3	5
7:00	3	6	5	9	23
8:00	61	73	98	41	273
9:00	23	24	48	14	109
10:00	9	11	11	4	35
11:00	4	6	19	10	39
12:00 PM	15	13	15	18	61
1:00	10	11	17	10	48
2:00	15	11	19	15	60
3:00	46	40	54	36	176
4:00	35	26	70	33	164
5:00	17	16	41	15	89
6:00	10	16	43	17	86
7:00	9	15	19	24	67
8:00	8	9	12	5	34
9:00	6	9	8	4	27
10:00	6	9	5	9	29
11:00	2	2	3	4	11
Daily Totals	286	309	494	279	1,368
Split %	20.9	22.6	36.1	20.4	

AM Peak
 Volume 8:00 am
 273

PM Peak
 Volume 3:00 pm
 176

Attachment: Malone-Middleton (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON NB
Middleton St. at Malone St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	1	*	*	1	*	*	1
01:00	*	*	1	*	*	1	*	*	1
02:00	*	*	1	*	*	1	*	*	1
03:00	*	*	2	*	*	2	*	*	2
04:00	*	*	0	*	*	0	*	*	0
05:00	*	*	1	*	*	1	*	*	1
06:00	*	*	1	*	*	1	*	*	1
07:00	*	*	3	*	*	3	*	*	3
08:00	*	*	61	*	*	61	*	*	61
09:00	*	*	23	*	*	23	*	*	23
10:00	*	*	9	*	*	9	*	*	9
11:00	*	*	4	*	*	4	*	*	4
12:00 PM	*	*	15	*	*	15	*	*	15
01:00	*	10	*	*	*	10	*	*	10
02:00	*	15	*	*	*	15	*	*	15
03:00	*	46	*	*	*	46	*	*	46
04:00	*	35	*	*	*	35	*	*	35
05:00	*	17	*	*	*	17	*	*	17
06:00	*	10	*	*	*	10	*	*	10
07:00	*	9	*	*	*	9	*	*	9
08:00	*	8	*	*	*	8	*	*	8
09:00	*	6	*	*	*	6	*	*	6
10:00	*	6	*	*	*	6	*	*	6
11:00	*	2	*	*	*	2	*	*	2
Total	0	164	122	0	0	286	0	0	286
% Avg. WkDay	0.0%	57.3%	42.7%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	57.3%	42.7%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	-	-	08:00	-	-	08:00
Vol.	-	-	61	-	-	61	-	-	61
PM Peak	-	15:00	12:00	-	-	15:00	-	-	15:00
Vol.	-	46	15	-	-	46	-	-	46
Total	0	164	122	0	0	286	0	0	286
ADT	ADT 278		AADT 278						

Attachment: Middleton-Malone-NB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON SB
Middleton At. at Malone St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	2	*	*	2	*	*	2
01:00	*	*	3	*	*	3	*	*	3
02:00	*	*	1	*	*	1	*	*	1
03:00	*	*	2	*	*	2	*	*	2
04:00	*	*	3	*	*	3	*	*	3
05:00	*	*	0	*	*	0	*	*	0
06:00	*	*	1	*	*	1	*	*	1
07:00	*	*	6	*	*	6	*	*	6
08:00	*	*	73	*	*	73	*	*	73
09:00	*	*	24	*	*	24	*	*	24
10:00	*	*	11	*	*	11	*	*	11
11:00	*	*	6	*	*	6	*	*	6
12:00 PM	*	*	13	*	*	13	*	*	13
01:00	*	11	*	*	*	11	*	*	11
02:00	*	11	*	*	*	11	*	*	11
03:00	*	40	*	*	*	40	*	*	40
04:00	*	26	*	*	*	26	*	*	26
05:00	*	16	*	*	*	16	*	*	16
06:00	*	16	*	*	*	16	*	*	16
07:00	*	15	*	*	*	15	*	*	15
08:00	*	9	*	*	*	9	*	*	9
09:00	*	9	*	*	*	9	*	*	9
10:00	*	9	*	*	*	9	*	*	9
11:00	*	2	*	*	*	2	*	*	2
Total	0	164	145	0	0	309	0	0	309
% Avg. WkDay	0.0%	53.1%	46.9%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	53.1%	46.9%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	-	-	08:00	-	-	08:00
Vol.	-	-	73	-	-	73	-	-	73
PM Peak	-	15:00	12:00	-	-	15:00	-	-	15:00
Vol.	-	40	13	-	-	40	-	-	40
Total	0	164	145	0	0	309	0	0	309
ADT	ADT 301		AADT 301						

Attachment: Middleton-Malone-SB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON EB
Malone St. at Middleton St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	2	*	*	2	*	*	2
01:00	*	*	2	*	*	2	*	*	2
02:00	*	*	0	*	*	0	*	*	0
03:00	*	*	0	*	*	0	*	*	0
04:00	*	*	2	*	*	2	*	*	2
05:00	*	*	1	*	*	1	*	*	1
06:00	*	*	0	*	*	0	*	*	0
07:00	*	*	5	*	*	5	*	*	5
08:00	*	*	98	*	*	98	*	*	98
09:00	*	*	48	*	*	48	*	*	48
10:00	*	*	11	*	*	11	*	*	11
11:00	*	*	19	*	*	19	*	*	19
12:00 PM	*	*	15	*	*	15	*	*	15
01:00	*	17	*	*	*	17	*	*	17
02:00	*	19	*	*	*	19	*	*	19
03:00	*	54	*	*	*	54	*	*	54
04:00	*	70	*	*	*	70	*	*	70
05:00	*	41	*	*	*	41	*	*	41
06:00	*	43	*	*	*	43	*	*	43
07:00	*	19	*	*	*	19	*	*	19
08:00	*	12	*	*	*	12	*	*	12
09:00	*	8	*	*	*	8	*	*	8
10:00	*	5	*	*	*	5	*	*	5
11:00	*	3	*	*	*	3	*	*	3
Total	0	291	203	0	0	494	0	0	494
% Avg. WkDay	0.0%	58.9%	41.1%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	58.9%	41.1%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	-	-	08:00	-	-	08:00
Vol.	-	-	98	-	-	98	-	-	98
PM Peak	-	16:00	12:00	-	-	16:00	-	-	16:00
Vol.	-	70	15	-	-	70	-	-	70
Total	0	291	203	0	0	494	0	0	494
ADT	ADT 480		AADT 480						

Attachment: Malone-Middleton-EB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON WB
Malone St. at Middleton St.
Date Start: 15-Dec-15

Start Time	Mon 14-Dec-15	Tue	Wed	Thu	Fri	Average Day	Sat	Sun	Week Average
12:00 AM	*	*	1	*	*	1	*	*	1
01:00	*	*	1	*	*	1	*	*	1
02:00	*	*	0	*	*	0	*	*	0
03:00	*	*	0	*	*	0	*	*	0
04:00	*	*	1	*	*	1	*	*	1
05:00	*	*	5	*	*	5	*	*	5
06:00	*	*	3	*	*	3	*	*	3
07:00	*	*	9	*	*	9	*	*	9
08:00	*	*	41	*	*	41	*	*	41
09:00	*	*	14	*	*	14	*	*	14
10:00	*	*	4	*	*	4	*	*	4
11:00	*	*	10	*	*	10	*	*	10
12:00 PM	*	*	18	*	*	18	*	*	18
01:00	*	10	*	*	*	10	*	*	10
02:00	*	15	*	*	*	15	*	*	15
03:00	*	36	*	*	*	36	*	*	36
04:00	*	33	*	*	*	33	*	*	33
05:00	*	15	*	*	*	15	*	*	15
06:00	*	17	*	*	*	17	*	*	17
07:00	*	24	*	*	*	24	*	*	24
08:00	*	5	*	*	*	5	*	*	5
09:00	*	4	*	*	*	4	*	*	4
10:00	*	9	*	*	*	9	*	*	9
11:00	*	4	*	*	*	4	*	*	4
Total	0	172	107	0	0	279	0	0	279
% Avg. WkDay	0.0%	61.6%	38.4%	0.0%	0.0%	100.0%			
% Avg. Week	0.0%	61.6%	38.4%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak	-	-	08:00	-	-	08:00	-	-	08:00
Vol.	-	-	41	-	-	41	-	-	41
PM Peak	-	15:00	12:00	-	-	15:00	-	-	15:00
Vol.	-	36	18	-	-	36	-	-	36
Total	0	172	107	0	0	279	0	0	279
ADT	ADT 288		AADT 288						

Attachment: Malone-Middleton-WB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON NB
Middleton St. at Malone St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	9	0	1	0	0	0	0	0	0	0	0	0	0	0	10
14:00	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15
15:00	46	0	0	0	0	0	0	0	0	0	0	0	0	0	46
16:00	35	0	0	0	0	0	0	0	0	0	0	0	0	0	35
17:00	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
18:00	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
19:00	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
20:00	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
21:00	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
22:00	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	163	0	1	0	0	0	0	0	0	0	0	0	0	0	164

Daily

15th Percentile : 4 MPH
50th Percentile : 8 MPH
85th Percentile : 12 MPH
95th Percentile : 14 MPHMean Speed(Average) : 9 MPH
10 MPH Pace Speed : 4-13 MPH

Number in Pace : 132

Percent in Pace : 80.5%

Number of Vehicles > 25 MPH : 0

Percent of Vehicles > 25 MPH : 0.0%

Attachment: Middleton-Malone-speed NB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON NB
Middleton St. at Malone St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	2	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	0	0
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
08:00	61	0	0	0	0	0	0	0	0	0	0	0	0	0	61
09:00	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
10:00	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
11:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
12 PM	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	122	0	0	0	0	0	0	0	0	0	0	0	0	0	122

Daily

15th Percentile : 4 MPH
50th Percentile : 8 MPH
85th Percentile : 12 MPH
95th Percentile : 14 MPHMean Speed(Average) : 9 MPH
10 MPH Pace Speed : 4-13 MPHNumber in Pace : 98
Percent in Pace : 80.3%
Number of Vehicles > 25 MPH : 0
Percent of Vehicles > 25 MPH : 0.0%Grand
Total

285	0	1	0	0	0	0	0	0	0	0	0	0	0	0	286
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Overall

15th Percentile : 4 MPH
50th Percentile : 8 MPH
85th Percentile : 12 MPH
95th Percentile : 14 MPHMean Speed(Average) : 9 MPH
10 MPH Pace Speed : 4-13 MPHNumber in Pace : 230
Percent in Pace : 80.4%
Number of Vehicles > 25 MPH : 0
Percent of Vehicles > 25 MPH : 0.0%

Attachment: Middleton-Malone-speed NB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON SB
Middleton At. at Malone St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	7	3	1	0	0	0	0	0	0	0	0	0	0	0	11
14:00	3	6	2	0	0	0	0	0	0	0	0	0	0	0	11
15:00	31	9	0	0	0	0	0	0	0	0	0	0	0	0	40
16:00	20	6	0	0	0	0	0	0	0	0	0	0	0	0	26
17:00	15	1	0	0	0	0	0	0	0	0	0	0	0	0	16
18:00	9	7	0	0	0	0	0	0	0	0	0	0	0	0	16
19:00	12	2	1	0	0	0	0	0	0	0	0	0	0	0	15
20:00	5	3	0	1	0	0	0	0	0	0	0	0	0	0	9
21:00	6	3	0	0	0	0	0	0	0	0	0	0	0	0	9
22:00	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9
23:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	117	42	4	1	0	0	0	0	0	0	0	0	0	0	164

Daily

15th Percentile : 4 MPH

50th Percentile : 9 MPH

85th Percentile : 15 MPH

95th Percentile : 19 MPH

Mean Speed(Average) : 11 MPH

10 MPH Pace Speed : 5-14 MPH

Number in Pace : 109

Percent in Pace : 66.5%

Number of Vehicles > 25 MPH : 1

Percent of Vehicles > 25 MPH : 0.6%

Attachment: Middleton-Malone-speed SB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON SB
Middleton At. at Malone St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
08:00	50	23	0	0	0	0	0	0	0	0	0	0	0	0	73
09:00	15	8	1	0	0	0	0	0	0	0	0	0	0	0	24
10:00	6	4	1	0	0	0	0	0	0	0	0	0	0	0	11
11:00	5	0	1	0	0	0	0	0	0	0	0	0	0	0	6
12 PM	9	4	0	0	0	0	0	0	0	0	0	0	0	0	13
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	100	42	3	0	0	0	0	0	0	0	0	0	0	0	145

Daily

15th Percentile : 4 MPH
50th Percentile : 9 MPH
85th Percentile : 16 MPH
95th Percentile : 19 MPH

Mean Speed(Average) : 11 MPH

10 MPH Pace Speed : 5-14 MPH

Number in Pace : 95

Percent in Pace : 65.5%

Number of Vehicles > 25 MPH : 0

Percent of Vehicles > 25 MPH : 0.0%

Grand
Total

217	84	7	1	0	0	0	0	0	0	0	0	0	0	0	309
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Overall

15th Percentile : 4 MPH
50th Percentile : 9 MPH
85th Percentile : 15 MPH
95th Percentile : 19 MPH

Mean Speed(Average) : 11 MPH

10 MPH Pace Speed : 5-14 MPH

Number in Pace : 204

Percent in Pace : 66.0%

Number of Vehicles > 25 MPH : 1

Percent of Vehicles > 25 MPH : 0.3%

Attachment: Middleton-Malone-speed SB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON EB
Malone St. at Middleton St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	4	3	6	2	2	0	0	0	0	0	0	0	0	0	17
14:00	12	2	3	2	0	0	0	0	0	0	0	0	0	0	19
15:00	43	9	2	0	0	0	0	0	0	0	0	0	0	0	54
16:00	32	22	11	5	0	0	0	0	0	0	0	0	0	0	70
17:00	9	12	11	7	1	1	0	0	0	0	0	0	0	0	41
18:00	9	14	9	8	3	0	0	0	0	0	0	0	0	0	43
19:00	10	3	4	1	1	0	0	0	0	0	0	0	0	0	19
20:00	0	1	2	6	2	0	1	0	0	0	0	0	0	0	12
21:00	1	0	3	1	2	1	0	0	0	0	0	0	0	0	8
22:00	1	1	3	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
Total	121	67	55	33	12	2	1	0	0	0	0	0	0	0	291

Daily

15th Percentile : 5 MPH

50th Percentile : 12 MPH

85th Percentile : 23 MPH

95th Percentile : 29 MPH

Mean Speed(Average) : 15 MPH

10 MPH Pace Speed : 6-15 MPH

Number in Pace : 140

Percent in Pace : 48.1%

Number of Vehicles > 25 MPH : 48

Percent of Vehicles > 25 MPH : 16.5%

Attachment: Malone-Middleton-speed EB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON EB
Malone St. at Middleton St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	1	3	0	1	0	0	0	0	0	0	0	0	5
08:00	63	21	9	5	0	0	0	0	0	0	0	0	0	0	98
09:00	20	16	5	4	2	1	0	0	0	0	0	0	0	0	48
10:00	2	4	3	1	1	0	0	0	0	0	0	0	0	0	11
11:00	6	5	6	1	1	0	0	0	0	0	0	0	0	0	19
12 PM	6	4	3	1	1	0	0	0	0	0	0	0	0	0	15
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	98	50	29	15	9	2	0	0	0	0	0	0	0	0	203

Daily

15th Percentile : 5 MPH
50th Percentile : 11 MPH
85th Percentile : 21 MPH
95th Percentile : 28 MPH

Mean Speed(Average) : 14 MPH

10 MPH Pace Speed : 6-15 MPH

Number in Pace : 107

Percent in Pace : 52.7%

Number of Vehicles > 25 MPH : 26

Percent of Vehicles > 25 MPH : 12.8%

Grand
Total

219	117	84	48	21	4	1	0	0	0	0	0	0	0	0	494
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Overall

15th Percentile : 5 MPH
50th Percentile : 12 MPH
85th Percentile : 22 MPH
95th Percentile : 29 MPH

Mean Speed(Average) : 14 MPH

10 MPH Pace Speed : 6-15 MPH

Number in Pace : 247

Percent in Pace : 50.0%

Number of Vehicles > 25 MPH : 74

Percent of Vehicles > 25 MPH : 15.0%

Attachment: Malone-Middleton-speed EB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON WB
Malone St. at Middleton St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/15/15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	1	2	2	2	2	1	0	0	0	0	0	0	0	0	10
14:00	3	2	3	4	2	1	0	0	0	0	0	0	0	0	15
15:00	5	13	10	7	1	0	0	0	0	0	0	0	0	0	36
16:00	6	11	10	3	3	0	0	0	0	0	0	0	0	0	33
17:00	1	2	6	4	2	0	0	0	0	0	0	0	0	0	15
18:00	2	5	4	4	2	0	0	0	0	0	0	0	0	0	17
19:00	1	4	7	7	4	1	0	0	0	0	0	0	0	0	24
20:00	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
21:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
22:00	0	1	3	2	2	1	0	0	0	0	0	0	0	0	9
23:00	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
Total	20	42	48	37	21	4	0	0	0	0	0	0	0	0	172

Daily

15th Percentile : 10 MPH
50th Percentile : 20 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Mean Speed(Average) : 21 MPH

10 MPH Pace Speed : 17-26 MPH

Number in Pace : 73

Percent in Pace : 42.4%

Number of Vehicles > 25 MPH : 62

Percent of Vehicles > 25 MPH : 36.0%

Attachment: Malone-Middleton-speed WB (1313 : Multi-way Stop Malone at Middleton)

City of Hanford900 S. 10th Avenue
Hanford, CA 93230Site Code: MID MALON WB
Malone St. at Middleton St.
Date Start: 15-Dec-15**Direction 1**

Start	1	16	21	26	31	36	41	46	51	56	61	66	71	76	
Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/16/15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	0	0	0	0	1
05:00	2	1	1	0	1	0	0	0	0	0	0	0	0	0	5
06:00	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3
07:00	2	1	2	3	1	0	0	0	0	0	0	0	0	0	9
08:00	10	8	8	9	5	0	1	0	0	0	0	0	0	0	41
09:00	5	1	4	2	1	1	0	0	0	0	0	0	0	0	14
10:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4
11:00	1	3	2	2	1	1	0	0	0	0	0	0	0	0	10
12 PM	3	5	5	4	1	0	0	0	0	0	0	0	0	0	18
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	25	20	24	24	10	2	1	1	0	0	0	0	0	0	107

Daily

15th Percentile : 7 MPH
50th Percentile : 18 MPH
85th Percentile : 28 MPH
95th Percentile : 33 MPH

Mean Speed(Average) : 19 MPH

10 MPH Pace Speed : 20-29 MPH

Number in Pace : 36

Percent in Pace : 33.6%

Number of Vehicles > 25 MPH : 38

Percent of Vehicles > 25 MPH : 35.5%

Grand
Total

45	62	72	61	31	6	1	1	0	0	0	0	0	0	0	279
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Overall

15th Percentile : 9 MPH
50th Percentile : 19 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Mean Speed(Average) : 20 MPH

10 MPH Pace Speed : 18-27 MPH

Number in Pace : 108

Percent in Pace : 38.7%

Number of Vehicles > 25 MPH : 100

Percent of Vehicles > 25 MPH : 35.8%

Attachment: Malone-Middleton-speed WB (1313 : Multi-way Stop Malone at Middleton)



Google earth

feet
meters



Attachment: Malone-Middleton multiway (1313 : Multi-way Stop Malone at Middleton)



4.1

LOCATION: Malone St. at Middleton St.

WARRANTS FOR MULTI-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 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.
- b. Geometric conditions.
- 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 ☐

Attachment: Malone-Middleton-MULTI-WAY STOP SIGNS (1313 : Multi-way Stop Malone at Middleton)

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 ☒

The CITY OF HANFORD

PEDESTRIAN AND BICYCLE MASTER PLAN

- Is scheduled to go before the Planning Commission on January 26, 2016
- Is planned to go before the City Council on February 16, 2016.
- The document is posted and may be viewed on the City website under “City News”.



CITY COUNCIL ACTIONS

Meeting of October 6, 2015

1. Notice of Completion FY 15/16 Slurry Seal Project.
2. Notice of Completion FY 15/16 Reclamite Project

Meeting of October 13, 2015

None to report

Meeting of October 20, 2015

None to report

Meeting November 3, 2015

1. Authorize P.W. Director to execute work order No. 1 with Peters Engineering Group, Clovis CA. and Work Order No. 4 with Zumwalt Hansen, Inc., Hanford CA. for Professional Engineering Services for 11th Ave Traffic Signal Installation Project.
2. Authorize P.W. Director to execute work order No. 2 with Peters Engineering Group, Clovis CA. and Work Order No. 5 with Zumwalt Hansen, Inc., Hanford CA. for Professional Engineering Services for Hanford-Armona Road at Irwin St. Traffic Signal Installation Project.
3. Approve road closures for Sole 2 Sole Sports 5K Run December 6, 2015
4. First reading of Ordinance 15-14 amending Section 10.28.010 of Municipal Code; and approve the 2015 Speed Study.

Meeting November 17, 2015

1. Waive 2nd reading and adopt Ordinance 15-14 amending Section 10.28.010 of Municipal Code pertaining to Speed Limits.

Meeting December 1, 2015

None to report

Meeting December 15, 2015

None to report

Meeting January 5, 2016

1. Approve Notice of Completion for FY 14/15 Cape Seal Project
2. Permission to Advertise Harris St. Reconstruction/Resurfacing Project.

Meeting January 19, 2016

None to report