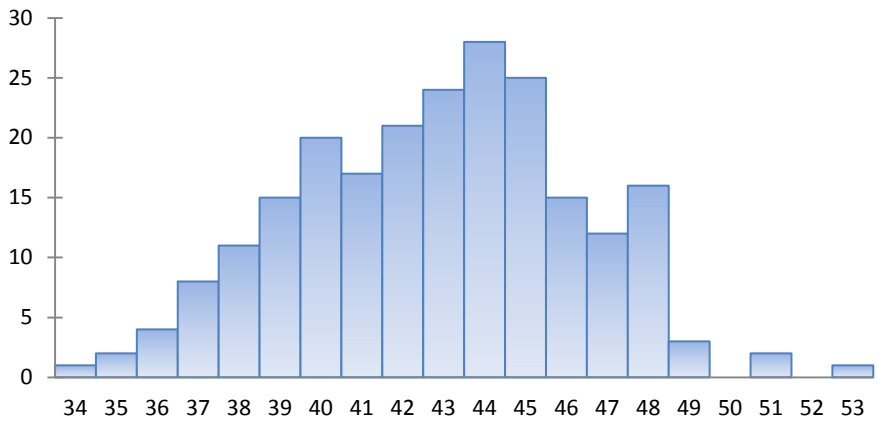


**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	AIRPORT WAY - Daisywood Dr to UPRR			45 MPH	
Posted Limit:	40 - 45 mph				
Direction:	Both	Recorder:	ATD		
Date:	5/1/2013	Day:	Wednesday		
Begin Time:	10:45 AM	End Time:	11:15 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	225	31	0
Speed Range	34 - 53 MPH	32	0
50th percentile speed	43 MPH	33	0
85th percentile speed	47 MPH	34	1
10 mph pace speed	39 - 48 MPH	35	2
% in pace speed	86%	36	4
		37	8
		38	11
		39	15
		40	20
		41	17
		42	21
		43	24
		44	28
		45	25
		46	15
		47	12
		48	16
		49	3
		50	0
		51	0
		52	0
		53	0
		TOTAL	225



ANALYSIS INFORMATION			
Segment Length(mi):	1.06	ADT:	8,336
Number of Collisions:	3	Count Date:	4/16/13
Calc. Collision Rate =	0.47 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	24 - 70	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	2 - 3 lanes
		Terrain:	Flat
		Sidewalk:	Varies
		Bike Lanes:	None

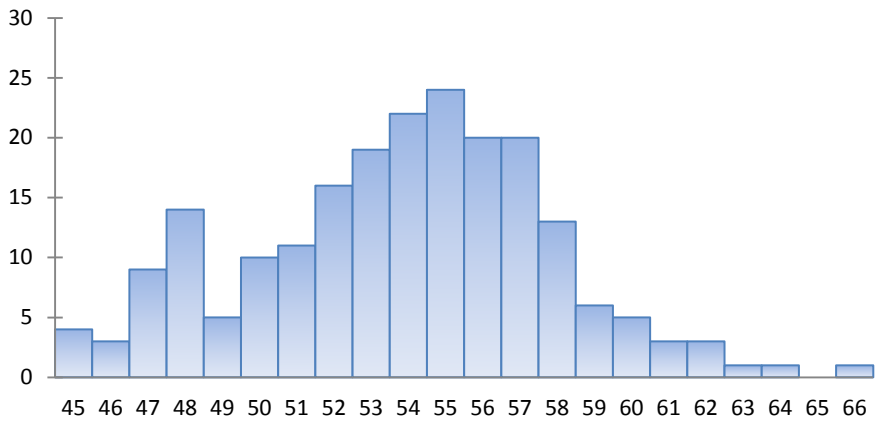
Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>AIRPORT WAY - Roth Rd to Daisywood Dr</u>			55 MPH	
Posted Limit:	<u>None</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/19/2013</u>	Day:	<u>Friday</u>		
Begin Time:	<u>2:30 PM</u>	End Time:	<u>3:30 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>210</u>	31	0
Speed Range	<u>45 - 66 MPH</u>	32	0
50th percentile speed	<u>54 MPH</u>	33	0
85th percentile speed	<u>58 MPH</u>	34	0
10 mph pace speed	<u>48 - 57 MPH</u>	35	0
% in pace speed	<u>77%</u>	36	0
		37	0
		38	0
		39	0
		40	0
		41	0
		42	0
		43	0
		44	0
		45	4
		46	3
		47	9
		48	14
		49	5
		50	10
		51	11
		52	16
		53	19
		54	22
		55	24
		56	20
		57	20
		58	20
		59	13
		60	6
		61	5
		62	3
		63	3
		64	1
		65	1
		66	0
		67	0
		68	0
		69	0
		70	0
		TOTAL	
		210	



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.63</u>	ADT:	<u>8,602</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/16/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>0.5</u> years
Street Width (ft):	<u>24 - 70</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 4</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

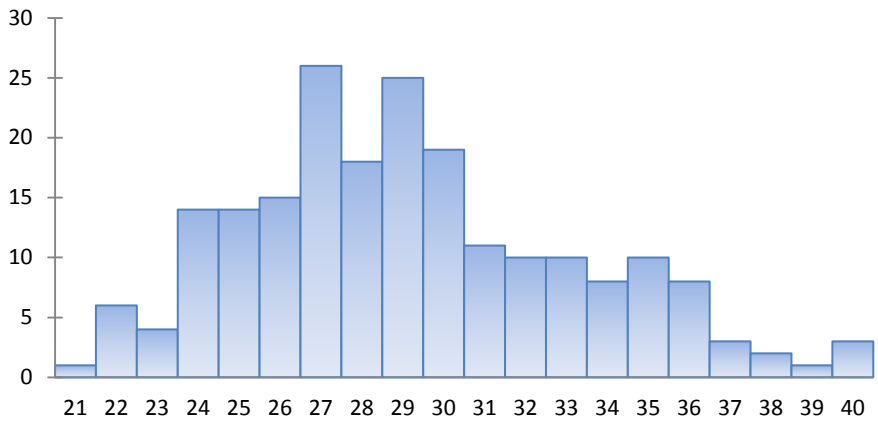
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 55 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>ALAMEDA STREET - Powers Ave to Union Rd</u>			25 MPH	
Posted Limit:	<u>25 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/2/2013</u>	Day:	<u>Tuesday</u>		
Begin Time:	<u>2:20 PM</u>	End Time:	<u>3:00 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>208</u>	21	1
Speed Range	<u>21 - 40 MPH</u>	22	6
50th percentile speed	<u>29 MPH</u>	23	4
85th percentile speed	<u>34 MPH</u>	24	14
10 mph pace speed	<u>24 - 33 MPH</u>	25	14
% in pace speed	<u>78%</u>	26	15
		27	26
		28	18
		29	25
		30	19
		31	11
		32	10
		33	10
		34	8
		35	10
		36	8
		37	3
		38	2
		39	1
		40	3
		TOTAL	
			208



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.60</u>	ADT:	<u>5,857</u>
Number of Collisions:	<u>10</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>1.46</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41 - 45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Varies</u>

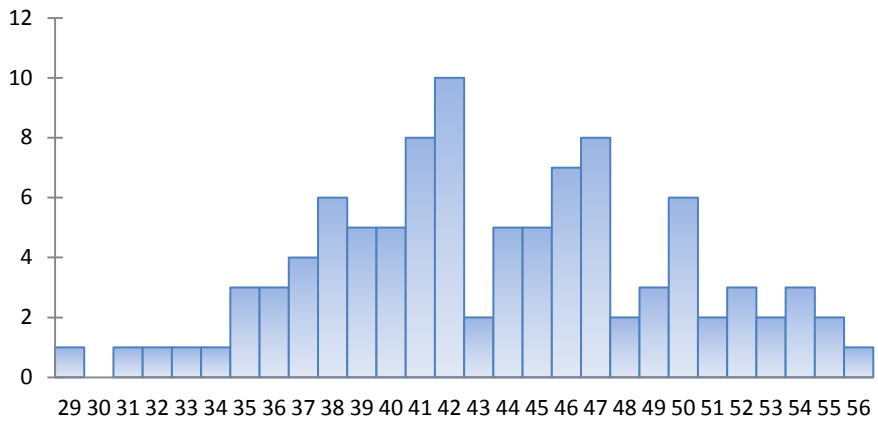
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>AUSTIN ROAD - Between Louise Ave and Yosemite Ave</u>			45 MPH	
Posted Limit:	<u>40 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/3/2013</u>	Day:	<u>Wednesday</u>		
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:30 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>100</u>	21	0
Speed Range	<u>29 - 56 MPH</u>	22	0
50th percentile speed	<u>43 MPH</u>	23	0
85th percentile speed	<u>50 MPH</u>	24	0
10 mph pace speed	<u>38 - 47 MPH</u>	25	0
% in pace speed	<u>61%</u>	26	0
		27	0
		28	0
		29	1
		30	0
		31	1
		32	1
		33	1
		34	1
		35	3
		36	3
		37	4
		38	6
		39	5
		40	5
		TOTAL	
		100	



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.46</u>	ADT:	<u>2,541</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>25</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

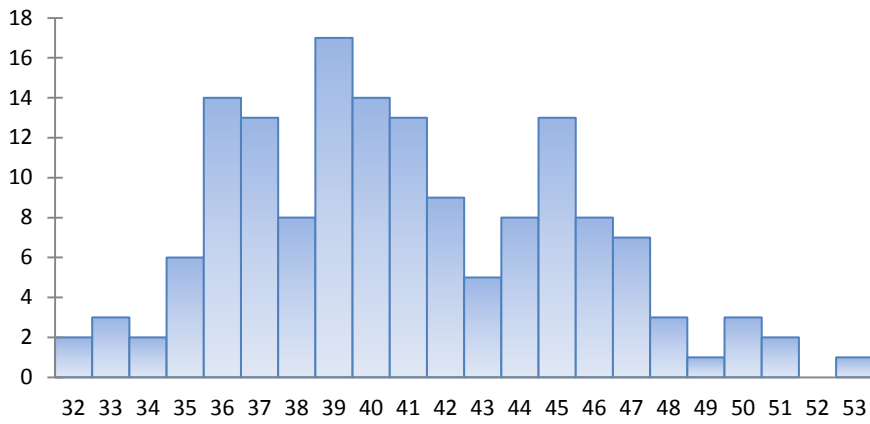
Other Considerations and Conditions not Readily Apparent: Due to the lack of sidewalks and bike lanes, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	AUSTIN ROAD - Yosemite Ave to 2,000ft North of Graves Rd			40 MPH	
Posted Limit:	40 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/19/2013	Day:	Friday		
Begin Time:	10:40 AM	End Time:	11:40 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	152	21	0
Speed Range	32 - 53 MPH	22	0
50th percentile speed	40 MPH	23	0
85th percentile speed	46 MPH	24	0
10 mph pace speed	36 - 45 MPH	25	0
% in pace speed	75%	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	2
		33	3
		34	2
		35	6
		36	14
		37	13
		38	8
		39	17
		40	14
		41	13
		42	9
		43	5
		44	8
		45	8
		46	7
		47	3
		48	1
		49	3
		50	2
		51	0
		52	0
		53	0
		TOTAL	152



ANALYSIS INFORMATION

Segment Length(mi):	0.88	ADT:	2,772	Count Date:	4/16/13
Number of Collisions:	0	Time Period:	2 years		
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	24	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	None	Sidewalk:	None	Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the lack of sidewalks and bike lanes, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.

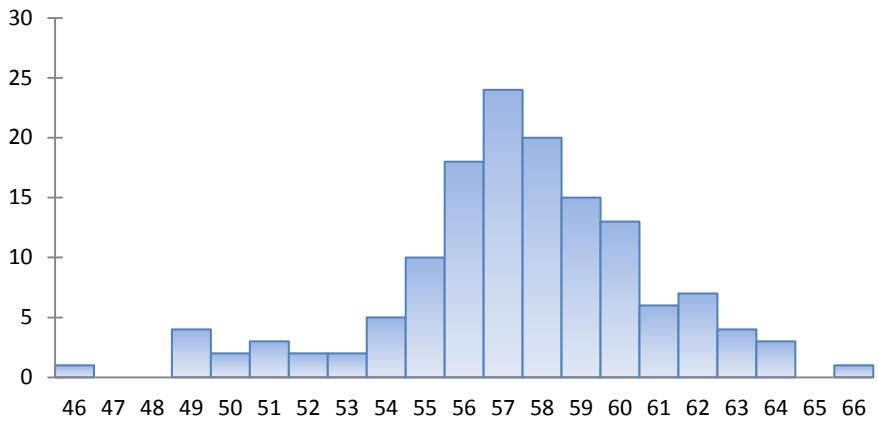
Signature: Jason Degroot 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>AUSTIN ROAD - UPRR to South City Limit</u>	55 MPH	
Posted Limit:	<u>55 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/2/2013</u>		Day: <u>Tuesday</u>
Begin Time:	<u>9:45 AM</u>		End Time: <u>11:00 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>140</u>	31	0
Speed Range	<u>46 - 66 MPH</u>	51	3
50th percentile speed	<u>57 MPH</u>	32	0
85th percentile speed	<u>60 MPH</u>	52	2
10 mph pace speed	<u>54 - 63 MPH</u>	33	0
% in pace speed	<u>87%</u>	53	2
		34	0
		54	5
		35	0
		55	10
		36	0
		56	18
		37	0
		57	24
		38	0
		58	20
		39	0
		59	15
		40	0
		60	13
		41	0
		61	6
		42	0
		62	7
		43	0
		63	4
		44	0
		64	3
		45	0
		65	0
		46	1
		66	1
		47	0
		67	0
		48	0
		68	0
		49	4
		69	0
		50	2
		70	0
		TOTAL	140



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.15</u>	ADT:	<u>3,364</u>
Number of Collisions:	<u>1</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>1.42</u> collisions per million vehicle-miles	Time Period:	<u>0.5</u> years
Street Width (ft):	<u>24</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Due to the lack of sidewalks and bike lanes, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

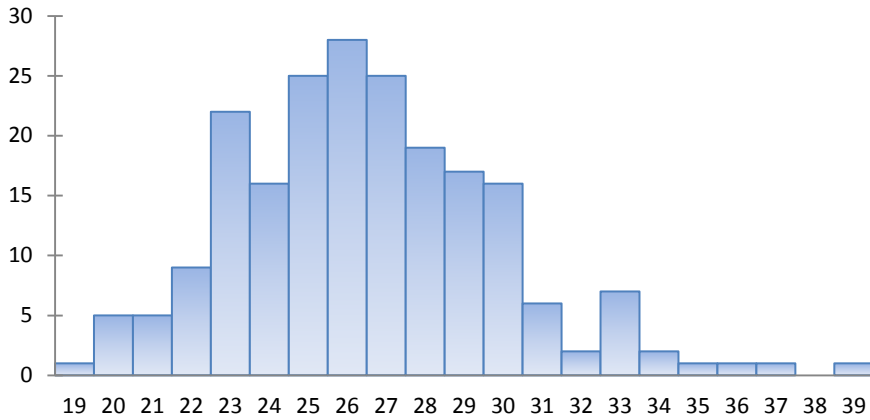
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 55 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u>Jason DeGroot 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>CENTER STREET - Union Rd to Trevino Ave</u>			25 MPH		
Posted Limit:	<u>25 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/2/2013</u>	Day:	<u>Tuesday</u>			
Begin Time:	<u>10:30 AM</u>	End Time:	<u>11:20 AM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>209</u>	16	0
Speed Range	<u>19 - 39 MPH</u>	17	0
50th percentile speed	<u>26 MPH</u>	18	0
85th percentile speed	<u>30 MPH</u>	19	1
10 mph pace speed	<u>22 - 31 MPH</u>	20	5
% in pace speed	<u>88%</u>	21	5
		22	9
		23	22
		24	16
		25	25
		26	28
		27	25
		28	19
		29	17
		30	16
		31	6
		32	2
		33	7
		34	2
		35	1
		36	0
		37	0
		38	0
		39	0
		40	0
		41	0
		42	0
		43	0
		44	0
		45	0
		46	0
		47	0
		48	0
		49	0
		50	0
		51	0
		52	0
		53	0
		54	0
		55	0
		TOTAL	209



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.39</u>	ADT:	<u>3,828</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

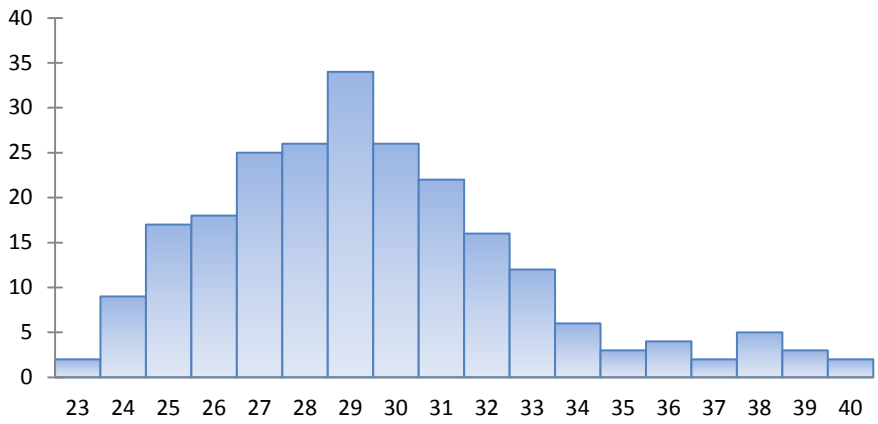
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature: <u><i>Jason DeGroot</i></u> <u>6/19/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	CENTER STREET - Walnut Ave to Union Rd			30 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/2/2013	Day:	Tuesday		
Begin Time:	12:05 PM	End Time:	12:38 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	232	21	0
Speed Range	23 - 40 MPH	22	0
50th percentile speed	29 MPH	23	2
85th percentile speed	33 MPH	24	9
10 mph pace speed	24 - 33 MPH	25	17
% in pace speed	88%	26	18
		27	25
		28	26
		29	34
		30	26
		31	22
		32	16
		33	12
		34	6
		35	3
		36	4
		37	2
		38	5
		39	3
		40	2
		TOTAL	
			232



ANALYSIS INFORMATION

Segment Length(mi):	0.33	ADT:	8,269	Count Date:	4/3/13
Number of Collisions:	1	Time Period:	2 years		
Calc. Collision Rate =	0.50 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	45 - 63	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	Varies	Sidewalk:	Varies	Bike Lanes:	Varies

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.

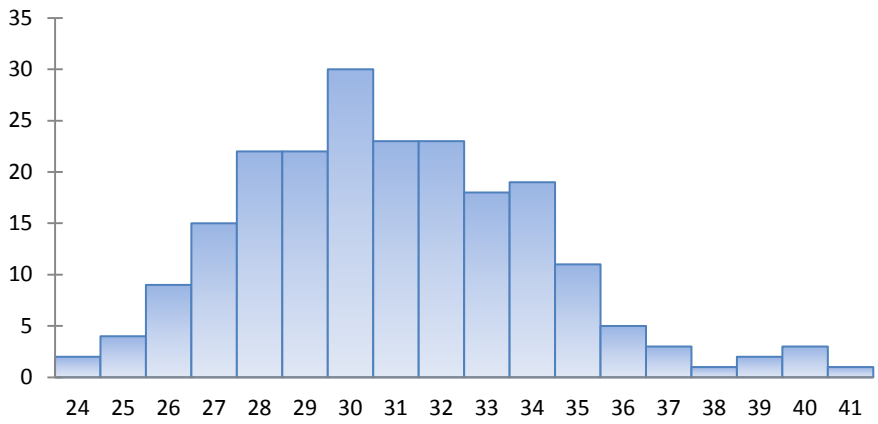
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>CENTER STREET - Main St to Walnut Ave</u>			30 MPH		
Posted Limit:	<u>30 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/2/2013</u>	Day:	<u>Tuesday</u>			
Begin Time:	<u>12:50 PM</u>	End Time:	<u>1:15 PM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>213</u>	21	0
Speed Range	<u>24 - 41 MPH</u>	22	0
50th percentile speed	<u>31 MPH</u>	23	0
85th percentile speed	<u>34 MPH</u>	24	2
10 mph pace speed	<u>26 - 35 MPH</u>	25	4
% in pace speed	<u>90%</u>	26	9
		27	15
		28	22
		29	22
		30	30
		31	23
		32	23
		33	18
		34	19
		35	11
		36	5
		37	3
		38	1
		39	2
		40	3
		41	0
		TOTAL	
			213



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.68</u>	ADT:	<u>8,288</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.73</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>48 - 63</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2 - 3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Varies</u>

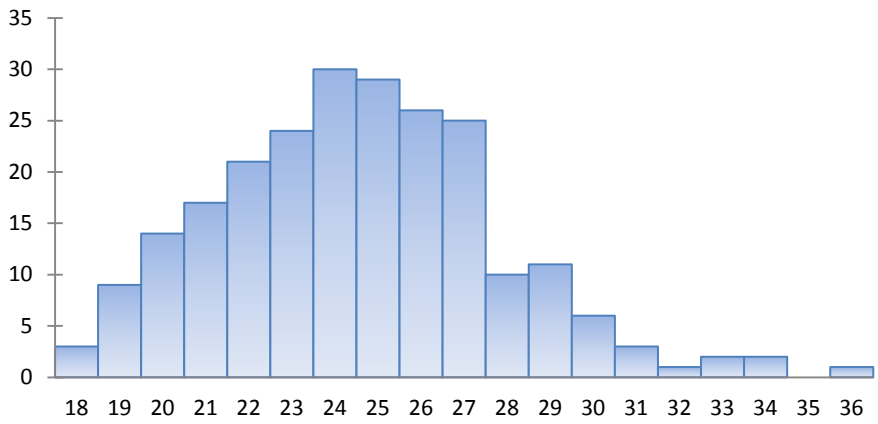
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED 30 MPH
Location:	<u>CENTER STREET - Fremont Ave to Main St</u>			
Posted Limit:	<u>30 mph</u>			
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>	
Date:	<u>4/2/2013</u>	Day:	<u>Tuesday</u>	
Begin Time:	<u>1:30 PM</u>	End Time:	<u>2:10 PM</u>	
Weather:	<u>Fair</u>			

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>234</u>	11	0
Speed Range	<u>18 - 36 MPH</u>	12	0
50th percentile speed	<u>24 MPH</u>	13	0
85th percentile speed	<u>28 MPH</u>	14	0
10 mph pace speed	<u>20 - 29 MPH</u>	15	0
% in pace speed	<u>88%</u>	16	0
		17	0
		18	3
		19	9
		20	14
		21	17
		22	21
		23	24
		24	30
		25	29
		26	26
		27	25
		28	10
		29	11
		30	6
		31	0
		32	0
		33	0
		34	0
		35	0
		36	0
		TOTAL	
			234



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.37</u>	ADT:	<u>4,936</u>
Number of Collisions:	<u>5</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>3.75</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>51</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Varies</u>

Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

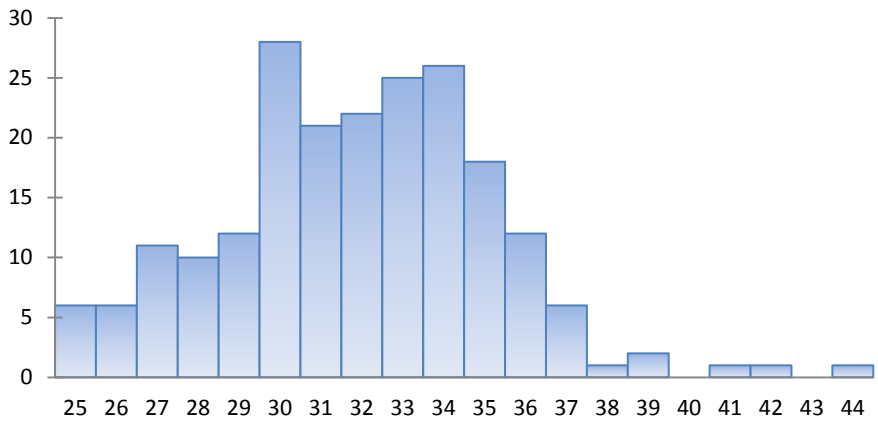
**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED			
Location: <u>COMMERCE AVEUNE - Yosemite Ave to Phoenix Dr</u> Posted Limit: <u>25 mph</u> Direction: <u>Both</u> Recorder: <u>Jason DeGroot</u> Date: <u>5/30/2013</u> Day: <u>Thursday</u> Begin Time: <u>10:10 AM</u> End Time: <u>10:45 AM</u> Weather: <u>Fair</u>				30 MPH			
Summary Statistics				Speed Number	Speed Number		
Total Observed	<u>130</u>	21	0	41	0		
Speed Range	<u>22 - 39 MPH</u>	22	1	42	0		
50th percentile speed	<u>30 MPH</u>	23	2	43	0		
85th percentile speed	<u>34 MPH</u>	24	2	44	0		
10 mph pace speed	<u>25 - 34 MPH</u>	25	12	45	0		
% in pace speed	<u>83%</u>	26	9	46	0		
		27	6	47	0		
		28	14	48	0		
		29	16	49	0		
		30	13	50	0		
		31	14	51	0		
		32	8	52	0		
		33	6	53	0		
		34	10	54	0		
		35	9	55	0		
		36	3	56	0		
		37	1	57	0		
		38	3	58	0		
		39	1	59	0		
		40	0	60	0		
				TOTAL		130	
		ANALYSIS INFORMATION					
		Segment Length(mi):	<u>0.26</u>	ADT:	<u>5,699</u>	Count Date:	<u>4/3/13</u>
Number of Collisions:	<u>1</u>	Time Period:	<u>2</u> years				
Calc. Collision Rate =	<u>0.92</u>	collisions per million vehicle-miles		State Average Rate:	<u>1.13 c/mvm</u>		
Street Width (ft):	<u>65</u>	Configuration:	<u>4 - 5</u> lanes	Terrain:	<u>Flat</u>		
Parking Conditions:	<u>None</u>	Sidewalk:	<u>Both Sides</u>	Bike Lanes:	<u>None</u>		
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.							
RECOMMENDATION							
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.							
Signature:							

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	COTTAGE AVENUE - State Route 99 to Yosemite Ave			30 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/3/2013	Day:	Wednesday		
Begin Time:	11:40 AM	End Time:	12:05 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	209	21	0
Speed Range	25 - 44 MPH	22	0
50th percentile speed	32 MPH	23	0
85th percentile speed	35 MPH	24	0
10 mph pace speed	27 - 36 MPH	25	6
% in pace speed	89%	26	6
		27	11
		28	10
		29	12
		30	28
		31	21
		32	22
		33	25
		34	26
		35	18
		36	12
		37	6
		38	1
		39	2
		40	0
		41	0
		42	0
		43	0
		44	0
		TOTAL	209



ANALYSIS INFORMATION

Segment Length(mi):	0.65	ADT:	11,009	Count Date:	4/3/13
Number of Collisions:	2	Time Period:	2 years		
Calc. Collision Rate =	0.38 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	40	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	Both Sides	Sidewalk:	Both Sides	Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the residential density, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.

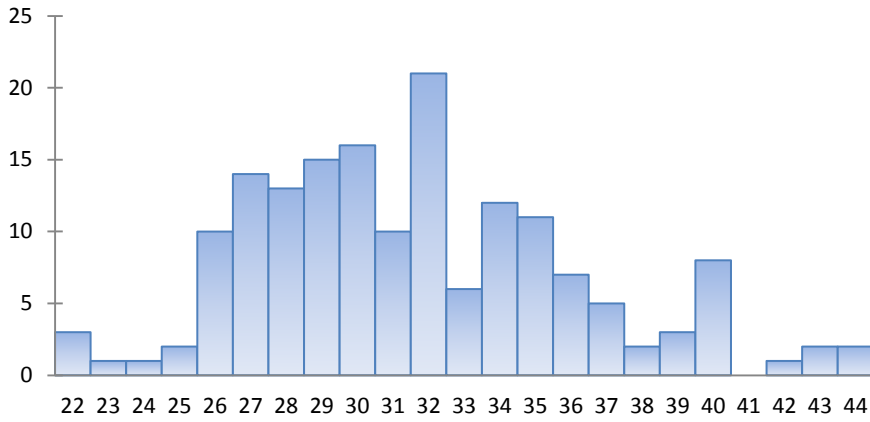
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	CRESTWOOD AVENUE - Lathrop Rd to Northgate Dr			30 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/5/2013	Day:	Friday		
Begin Time:	1:35 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number	
Total Observed	165	21	0	
Speed Range	22 - 44 MPH	22	3	
50th percentile speed	31 MPH	23	1	
85th percentile speed	36 MPH	24	1	
10 mph pace speed	26 - 35 MPH	25	2	
% in pace speed	78%	26	10	
		27	14	
		28	13	
		29	15	
		30	16	
		31	10	
		32	21	
		33	6	
		34	12	
		35	11	
		36	7	
		37	5	
		38	2	
		39	3	
		40	8	
			41	0
			42	0
			43	0
			44	0
			45	0
			46	0
			47	0
			48	0
			49	0
			50	0
			51	0
			52	0
			53	0
			54	0
			55	0
			56	0
			57	0
			58	0
			59	0
			60	0
		TOTAL		165



ANALYSIS INFORMATION			
Segment Length(mi):	0.51	ADT:	2,531
Number of Collisions:	1	Count Date:	4/2/13
Calc. Collision Rate =	1.06 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	65	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	3 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

Other Considerations and Conditions not Readily Apparent: Due to the residential density and the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

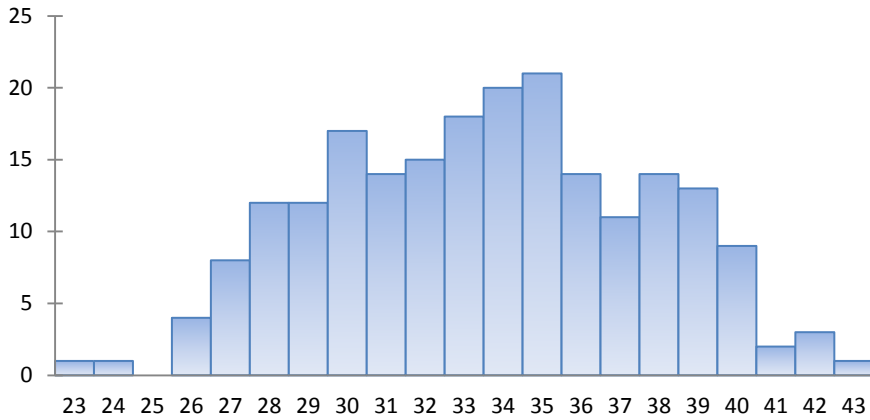
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<i>Jason Degroot</i> 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>CROM STREET - Union Rd to Airport Way</u>	35 MPH	
Posted Limit:	<u>30 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/5/2013</u>		Day: <u>Friday</u>
Begin Time:	<u>2:35 PM</u>		End Time: <u>3:20 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>210</u>	21	0
Speed Range	<u>23 - 43 MPH</u>	22	0
50th percentile speed	<u>34 MPH</u>	23	1
85th percentile speed	<u>38 MPH</u>	24	1
10 mph pace speed	<u>30 - 39 MPH</u>	25	0
% in pace speed	<u>75%</u>	26	4
		27	8
		28	12
		29	12
		30	17
		31	14
		32	15
		33	18
		34	20
		35	21
		36	14
		37	11
		38	14
		39	13
		40	9
		41	0
		42	0
		43	0
		TOTAL	210



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.96</u>	ADT:	<u>5,162</u>
Number of Collisions:	<u>1</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.28</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Varies</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>Both Sides</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

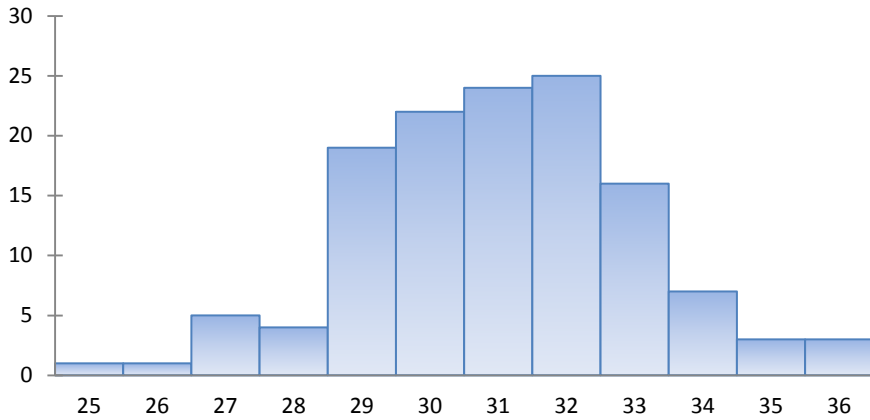
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	<u><i>Jason DeGroot</i> 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>DANIELS STREET - Union Rd to Airport Way</u>			30 MPH	
Posted Limit:	<u>30 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/3/2013</u>	Day:	<u>Wednesday</u>		
Begin Time:	<u>10:15 AM</u>	End Time:	<u>11:15 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>130</u>	21	0
Speed Range	<u>25 - 36 MPH</u>	22	0
50th percentile speed	<u>31 MPH</u>	23	0
85th percentile speed	<u>33 MPH</u>	24	0
10 mph pace speed	<u>27 - 36 MPH</u>	25	1
% in pace speed	<u>98%</u>	26	1
		27	5
		28	4
		29	19
		30	22
		31	24
		32	25
		33	16
		34	7
		35	3
		36	3
		37	0
		38	0
		39	0
		40	0
		TOTAL	
			130



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>5,622</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.73</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>55</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2 - 3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Both Sides</u>

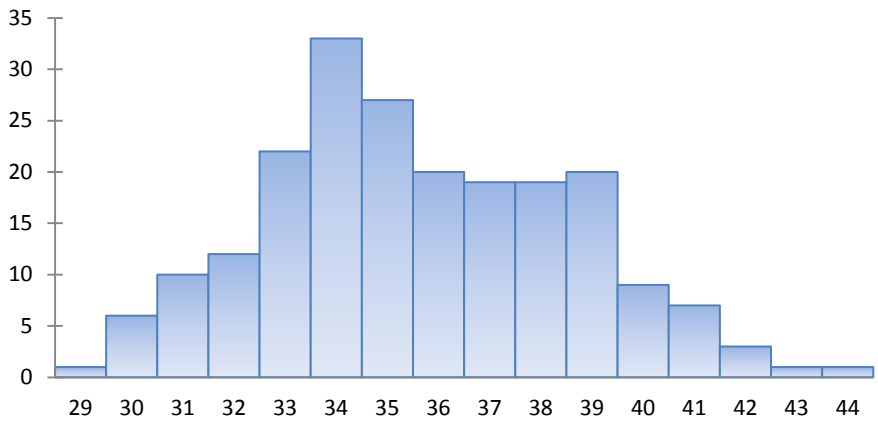
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>DANIELS STREET - Airport Way to West End</u>			35 MPH	
Posted Limit:	<u>30 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/3/2013</u>	Day:	<u>Wednesday</u>		
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:15 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>210</u>	21	0
Speed Range	<u>29 - 44 MPH</u>	22	0
50th percentile speed	<u>35 MPH</u>	23	0
85th percentile speed	<u>39 MPH</u>	24	0
10 mph pace speed	<u>31 - 40 MPH</u>	25	0
% in pace speed	<u>91%</u>	26	0
		27	0
		28	0
		29	1
		30	6
		31	10
		32	12
		33	22
		34	33
		35	27
		36	20
		37	19
		38	19
		39	20
		40	9
		41	7
		42	3
		43	1
		44	1
		45	0
		46	0
		47	0
		48	0
		49	0
		50	0
		51	0
		52	0
		53	0
		54	0
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	
			210



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.50</u>	ADT:	<u>10,823</u>
Number of Collisions:	<u>2</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.51</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>67</u>	State Average Rate:	<u>1.13 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>4</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

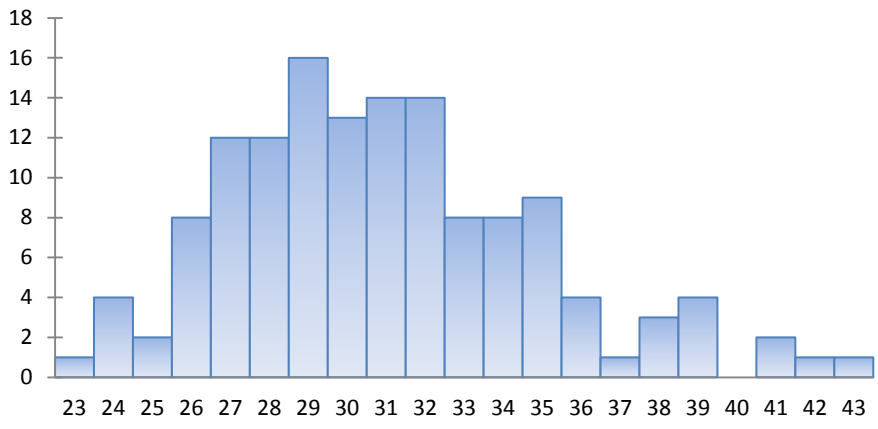
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>EDISON STREET - Powers Ave to Main St</u>			25 MPH	
Posted Limit:	<u>25 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/5/2013</u>	Day:	<u>Friday</u>		
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:30 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>137</u>	21	0
Speed Range	<u>23 - 43 MPH</u>	22	0
50th percentile speed	<u>31 MPH</u>	23	1
85th percentile speed	<u>35 MPH</u>	24	4
10 mph pace speed	<u>26 - 35 MPH</u>	25	2
% in pace speed	<u>83%</u>	26	8
		27	12
		28	12
		29	16
		30	13
		31	14
		32	14
		33	8
		34	8
		35	9
		36	4
		37	1
		38	3
		39	4
		40	0
		41	0
		42	0
		43	0
		TOTAL	137



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.60</u>	ADT:	<u>3,277</u>
Number of Collisions:	<u>1</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.70</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

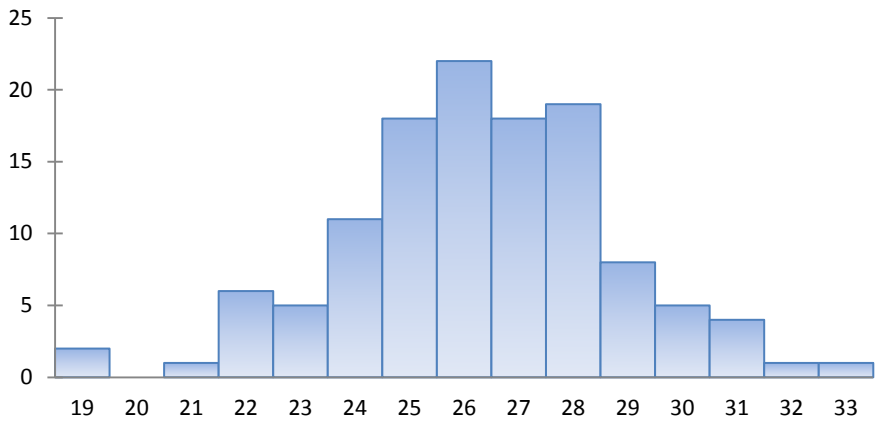
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>ELM AVENUE - Louise Ave to Center St</u>			25 MPH		
Posted Limit:	<u>25 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/26/2013</u>	Day:	<u>Friday</u>			
Begin Time:	<u>1:30 PM</u>	End Time:	<u>2:30 PM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>121</u>	16	0
Speed Range	<u>19 - 33 MPH</u>	17	0
50th percentile speed	<u>26 MPH</u>	18	0
85th percentile speed	<u>29 MPH</u>	19	2
10 mph pace speed	<u>22 - 31 MPH</u>	20	0
% in pace speed	<u>96%</u>	21	1
		22	6
		23	5
		24	11
		25	18
		26	22
		27	18
		28	19
		29	8
		30	5
		31	4
		32	1
		33	1
		34	0
		35	0
		TOTAL	
			121



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.88</u>	ADT:	<u>2,194</u>
Number of Collisions:	<u>2</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>1.42</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>36 - 45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Varies</u>

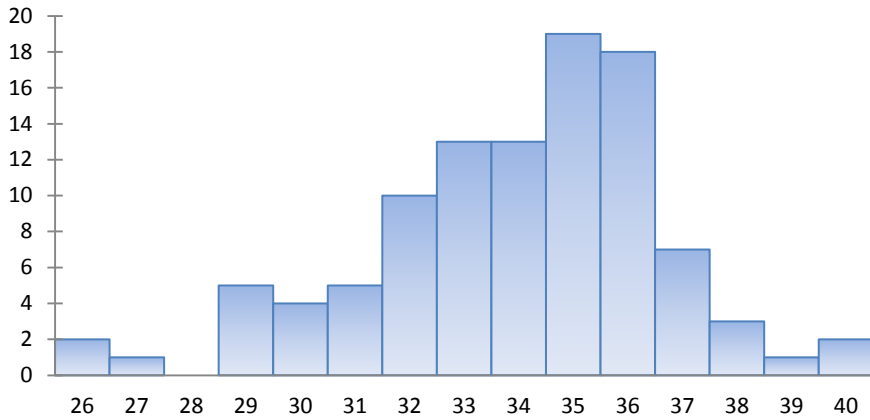
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	FISHBACK ROAD - Yosemite Ave to Wawona St			35 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/3/2013	Day:	Wednesday		
Begin Time:	1:30 PM	End Time:	3:00 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	103	21	0
Speed Range	26 - 40 MPH	22	0
50th percentile speed	34 MPH	23	0
85th percentile speed	36 MPH	24	0
10 mph pace speed	29 - 38 MPH	25	0
% in pace speed	94%	26	2
		27	1
		28	0
		29	5
		30	4
		31	5
		32	10
		33	13
		34	13
		35	19
		36	18
		37	7
		38	3
		39	1
		40	2
		TOTAL	
			103



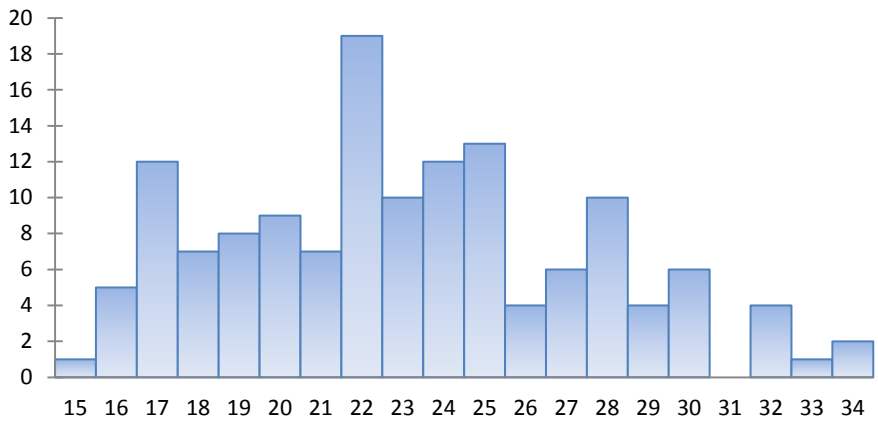
ANALYSIS INFORMATION			
Segment Length(mi):	0.50	ADT:	2,239
Number of Collisions:	0	Count Date:	4/3/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	24 - 60	State Average Rate:	0.98 c/mvm
Parking Conditions:	Varies	Configuration:	2 - 3 lanes
Other Considerations and Conditions not Readily Apparent:	None	Terrain:	Flat
		Sidewalk:	Varies
		Bike Lanes:	Varies

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	FREMONT AVENUE - Alameda St to Yosemite Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/3/2013	Day:	Wednesday		
Begin Time:	12:15 PM	End Time:	1:15 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	140	11	0
Speed Range	15 - 34 MPH	12	0
50th percentile speed	23 MPH	13	0
85th percentile speed	28 MPH	14	0
10 mph pace speed	16 - 25 MPH	15	1
% in pace speed	73%	16	5
		17	12
		18	7
		19	8
		20	9
		21	7
		22	19
		23	10
		24	12
		25	13
		26	4
		27	6
		28	10
		29	4
		30	6
		31	0
		32	4
		33	1
		34	2
		TOTAL	140



ANALYSIS INFORMATION			
Segment Length(mi):	0.50	ADT:	1,654
Number of Collisions:	0	Count Date:	4/3/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	36 - 45	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

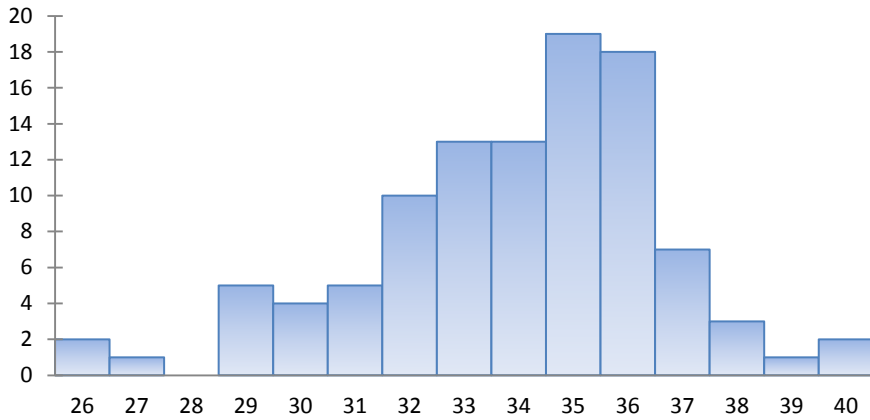
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>GARDEN GATE DRIVE - Louise Ave to Edison St</u>	25 MPH	
Posted Limit:	<u>25 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/3/2013</u>		Day: <u>Wednesday</u>
Begin Time:	<u>1:30 PM</u>		End Time: <u>3:00 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>103</u>	21	0
Speed Range	<u>26 - 40 MPH</u>	22	0
50th percentile speed	<u>34 MPH</u>	23	0
85th percentile speed	<u>36 MPH</u>	24	0
10 mph pace speed	<u>29 - 38 MPH</u>	25	0
% in pace speed	<u>94%</u>	26	2
		27	1
		28	0
		29	5
		30	4
		31	5
		32	10
		33	13
		34	13
		35	19
		36	18
		37	7
		38	3
		39	1
		40	2
		TOTAL	103



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.37</u>	ADT:	<u>1,133</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/23/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>36</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

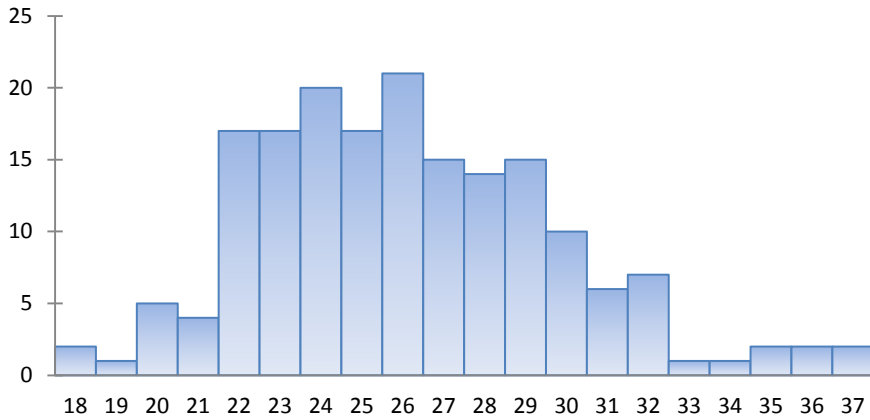
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature: <u><i>Jason Degroot</i> 6/19/13</u>	

City of Manteca
2013 Engineering and Traffic Survey

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>HOYT LANE - King Richard Way to Northgate Dr</u>			25 MPH		
Posted Limit:	<u>25 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/5/2013</u>	Day:	<u>Friday</u>			
Begin Time:	<u>12:30 PM</u>	End Time:	<u>1:30 PM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>179</u>	16	0
Speed Range	<u>18 - 37 MPH</u>	17	0
50th percentile speed	<u>26 MPH</u>	18	2
85th percentile speed	<u>30 MPH</u>	19	1
10 mph pace speed	<u>22 - 31 MPH</u>	20	5
% in pace speed	<u>85%</u>	21	4
		22	17
		23	17
		24	20
		25	17
		26	21
		27	15
		28	14
		29	15
		30	10
		31	6
		32	7
		33	1
		34	1
		35	2
		TOTAL	
		179	



ANALYSIS INFORMATION

Segment Length(mi):	<u>0.35</u>	ADT:	<u>2,057</u>	Count Date:	<u>4/2/13</u>
Number of Collisions:	<u>1</u>	Time Period:	<u>2</u> years		
Calc. Collision Rate =	<u>1.90</u> collisions per million vehicle-miles	State Average Rate:	<u>0.98 c/mvm</u>		
Street Width (ft):	<u>45</u>	Configuration:	<u>2</u> lanes	Terrain:	<u>Flat</u>
Parking Conditions:	<u>Both Sides</u>	Sidewalk:	<u>Both Sides</u>	Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.

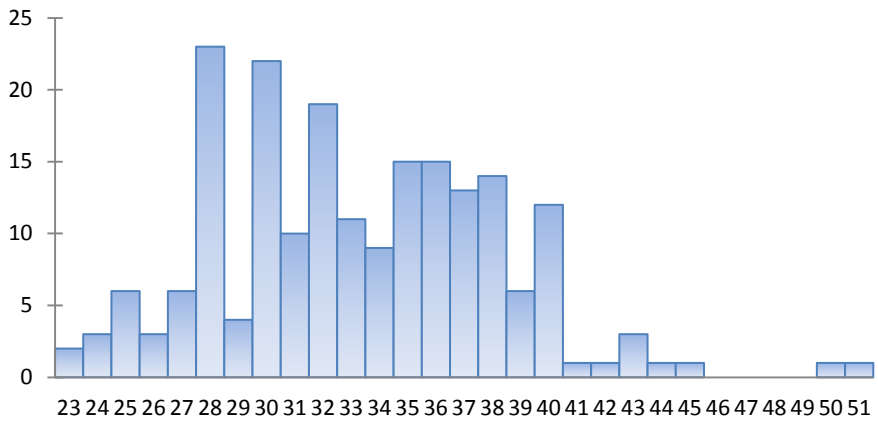
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	INDUSTRIAL PARK DRIVE - Moffat Blvd to Main St			35 MPH	
Posted Limit:	30 - 35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/16/2013	Day:	Tuesday		
Begin Time:	9:30 AM	End Time:	10:25 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	202	21	0
Speed Range	23 - 51 MPH	22	0
50th percentile speed	33 MPH	23	2
85th percentile speed	38 MPH	24	3
10 mph pace speed	28 - 37 MPH	25	3
% in pace speed	70%	26	6
		27	3
		28	6
		29	23
		30	4
		31	22
		32	10
		33	19
		34	11
		35	9
		36	15
		37	15
		38	13
		39	14
		40	6
		41	12
		42	0
		43	0
		44	0
		45	0
		46	0
		47	0
		48	0
		49	0
		50	1
		51	1
		52	0
		53	0
		54	0
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	202



ANALYSIS INFORMATION			
Segment Length(mi):	0.94	ADT:	10,193
Number of Collisions:	1	Count Date:	4/3/13
Calc. Collision Rate =	0.14 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	71	State Average Rate:	0.98 c/mvm
Parking Conditions:	Varies	Configuration:	3 lanes
		Terrain:	Flat
		Sidewalk:	None
		Bike Lanes:	Both Sides

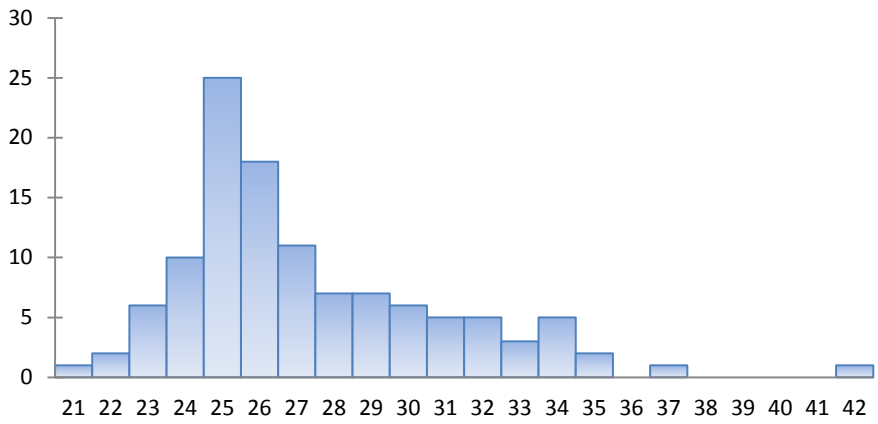
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED 25 MPH
Location:	<u>LANCASTER DRIVE - Springtime Ave to Main St</u>			
Posted Limit:	<u>25 mph</u>			
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>	
Date:	<u>4/26/2013</u>	Day:	<u>Friday</u>	
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:30 AM</u>	
Weather:	<u>Fair</u>			

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>115</u>	21	41
Speed Range	<u>21 - 42 MPH</u>	22	42
50th percentile speed	<u>26 MPH</u>	23	43
85th percentile speed	<u>31 MPH</u>	24	44
10 mph pace speed	<u>23 - 32 MPH</u>	25	45
% in pace speed	<u>87%</u>	26	46
		27	47
		28	48
		29	49
		30	50
		31	51
		32	52
		33	53
		34	54
		35	55
		36	56
		37	57
		38	58
		39	59
		40	60
		TOTAL	
		115	



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.32</u>	ADT:	<u>1,515</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Both Sides</u>

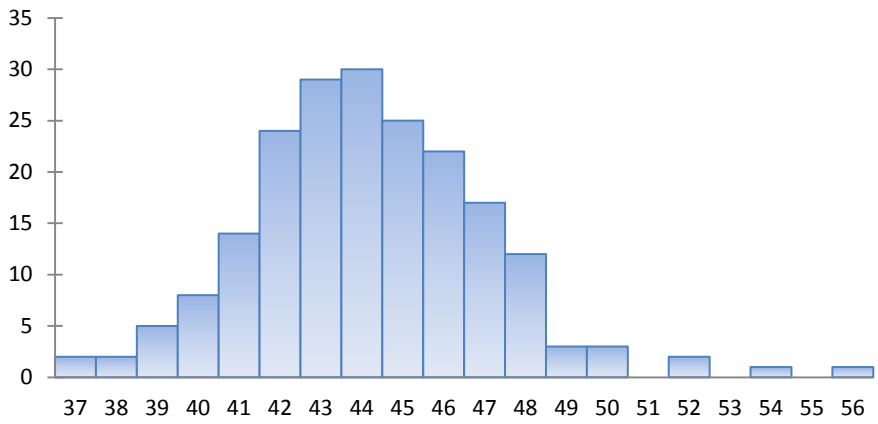
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>LATHROP ROAD - Union Rd to West City Limit</u>			45 MPH	
Posted Limit:	<u>45 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/2/2013</u>	Day:	<u>Tuesday</u>		
Begin Time:	<u>2:35 PM</u>	End Time:	<u>3:15 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	21	0
Speed Range	<u>37 - 56 MPH</u>	22	0
50th percentile speed	<u>44 MPH</u>	23	0
85th percentile speed	<u>47 MPH</u>	24	0
10 mph pace speed	<u>39 - 48 MPH</u>	25	0
% in pace speed	<u>93%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	0
		35	0
		36	0
		37	2
		38	2
		39	5
		40	8
		41	14
		42	24
		43	29
		44	30
		45	25
		46	22
		47	17
		48	12
		49	3
		50	3
		51	0
		52	2
		53	0
		54	1
		55	0
		56	1
		TOTAL	200



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.23</u>	ADT:	<u>10,964</u>
Number of Collisions:	<u>4</u>	Count Date:	<u>4/23/13</u>
Calc. Collision Rate =	<u>0.41</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>40 - 65</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2-5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

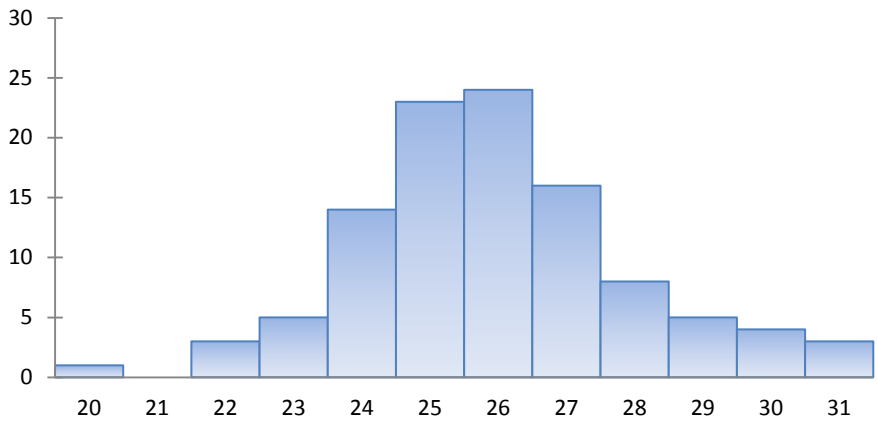
Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>LOCUST AVENUE - Yosemite Ave to Mission Ridge Dr</u>			25 MPH	
Posted Limit:	<u>25 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>5/1/2013</u>	Day:	<u>Wednesday</u>		
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:45 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>106</u>	11	0
Speed Range	<u>20 - 31 MPH</u>	12	0
50th percentile speed	<u>26 MPH</u>	13	0
85th percentile speed	<u>28 MPH</u>	14	0
10 mph pace speed	<u>22 - 31 MPH</u>	15	0
% in pace speed	<u>99%</u>	16	0
		17	0
		18	0
		19	0
		20	1
		21	0
		22	3
		23	5
		24	14
		25	23
		26	24
		27	16
		28	8
		29	5
		30	4
		31	0
		TOTAL	106



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.92</u>	ADT:	<u>2,567</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>1.74</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>36 - 45</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

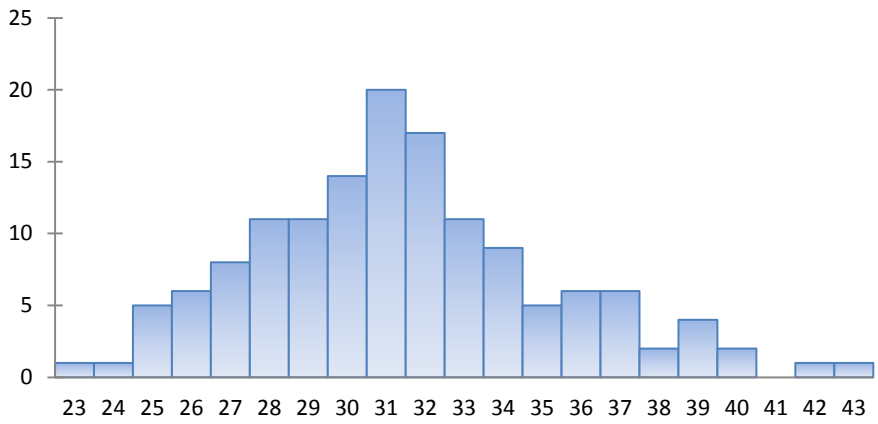
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	LONDON AVENUE - Lathrop Rd to Northgate Dr			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/26/2013	Day:	Friday		
Begin Time:	1:30 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	141	11	0
Speed Range	23 - 43 MPH	12	0
50th percentile speed	31 MPH	13	0
85th percentile speed	36 MPH	14	0
10 mph pace speed	25 - 34 MPH	15	0
% in pace speed	79%	16	0
		17	0
		18	0
		19	0
		20	0
		21	0
		22	0
		23	1
		24	1
		25	5
		26	6
		27	8
		28	11
		29	11
		30	14
		31	20
		32	17
		33	11
		34	9
		35	5
		36	6
		37	6
		38	2
		39	4
		40	2
		41	0
		42	1
		43	1
		44	0
		45	0
		46	0
		47	0
		48	0
		49	0
		50	0
		TOTAL	141



ANALYSIS INFORMATION			
Segment Length(mi):	0.42	ADT:	3,614
Number of Collisions:	1	Count Date:	4/2/13
Calc. Collision Rate =	0.90 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	45	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

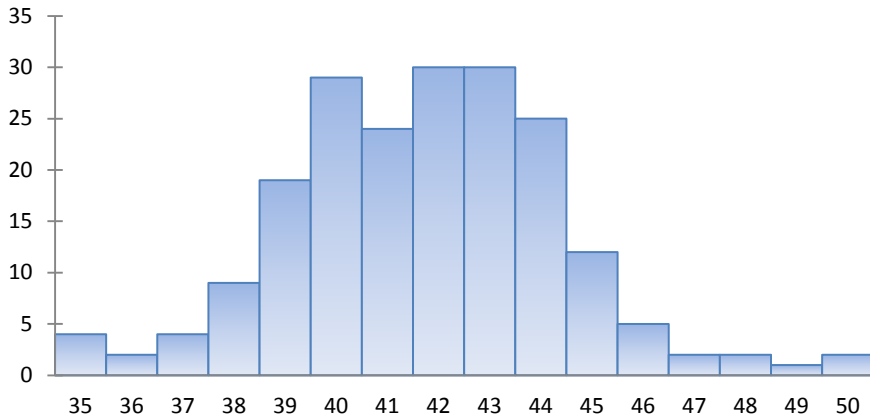
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>LOUISE AVENUE - Cottage Ave to Garden Gate Dr</u>	40 MPH	
Posted Limit:	<u>40 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/11/2013</u>		Day: <u>Thursday</u>
Begin Time:	<u>1:30 PM</u>		End Time: <u>2:15 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	21	0
Speed Range	<u>35 - 50 MPH</u>	22	0
50th percentile speed	<u>42 MPH</u>	23	0
85th percentile speed	<u>44 MPH</u>	24	0
10 mph pace speed	<u>37 - 46 MPH</u>	25	0
% in pace speed	<u>94%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	0
		35	4
		36	2
		37	4
		38	9
		39	19
		40	29
		41	24
		42	30
		43	30
		44	25
		45	12
		46	5
		47	2
		48	2
		49	1
		50	2
		51	0
		52	0
		53	0
		54	0
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	200



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.73</u>	ADT:	<u>13,535</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.42</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>24 - 65</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2-4</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

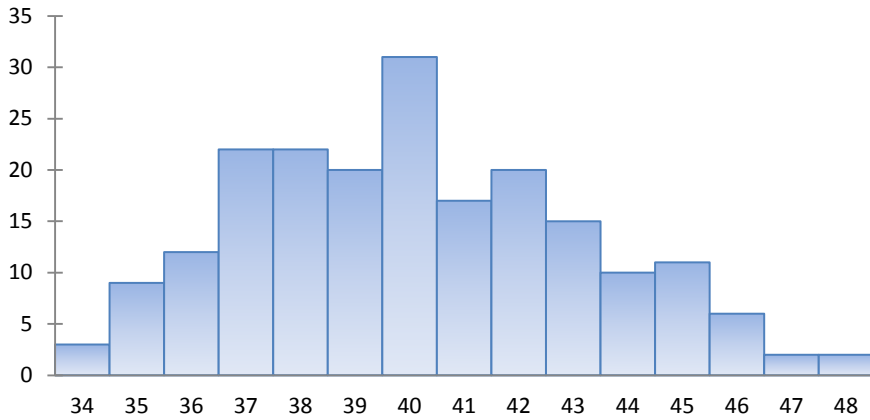
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature: <u><i>Jason Degroot</i> 6/19/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>LOUISE AVENUE - Garden Gate Dr to Main St</u>			40 MPH		
Posted Limit:	<u>35 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/11/2013</u>	Day:	<u>Thursday</u>			
Begin Time:	<u>11:00 AM</u>	End Time:	<u>11:53 AM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>202</u>	21	0
Speed Range	<u>34 - 48 MPH</u>	22	0
50th percentile speed	<u>40 MPH</u>	23	0
85th percentile speed	<u>44 MPH</u>	24	0
10 mph pace speed	<u>36 - 45 MPH</u>	25	0
% in pace speed	<u>89%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	3
		35	9
		36	12
		37	22
		38	22
		39	20
		40	31
		41	17
		42	20
		43	15
		44	10
		45	11
		46	6
		47	2
		48	2
		49	0
		50	0
		51	0
		52	0
		53	0
		54	0
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	
			202



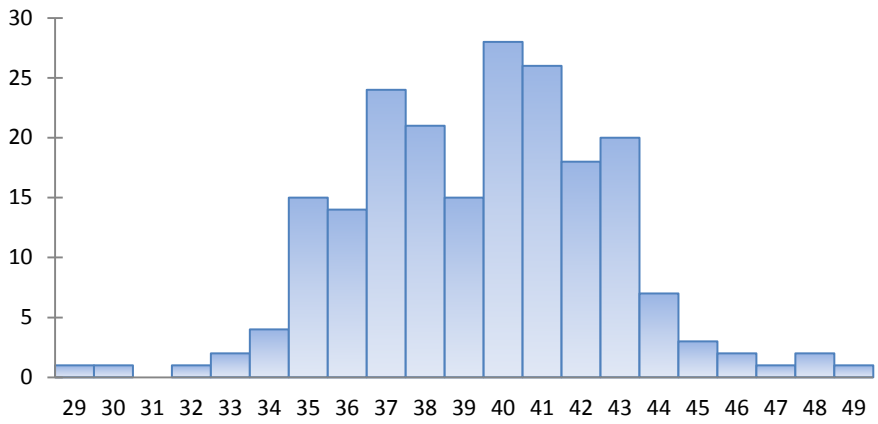
ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.27</u>	ADT:	<u>13,673</u>
Number of Collisions:	<u>2</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.74</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>45 - 64</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2-4</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.			

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature: <u><i>Jason DeGroot</i></u> <u>6/19/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>LOUISE AVENUE - Main St to Union Rd</u>			40 MPH	
Posted Limit:	<u>35 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>5/1/2013</u>	Day:	<u>Wednesday</u>		
Begin Time:	<u>1:30 PM</u>	End Time:	<u>2:00 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>206</u>	21	0
Speed Range	<u>29 - 49 MPH</u>	22	0
50th percentile speed	<u>40 MPH</u>	23	0
85th percentile speed	<u>43 MPH</u>	24	0
10 mph pace speed	<u>35 - 44 MPH</u>	25	0
% in pace speed	<u>91%</u>	26	0
		27	0
		28	0
		29	1
		30	1
		31	0
		32	1
		33	2
		34	4
		35	15
		36	14
		37	24
		38	21
		39	15
		40	28
			41
			42
			43
			44
			45
			46
			47
			48
			49
			50
			51
			52
			53
			54
			55
			56
			57
			58
			59
			60
		TOTAL	206



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>16,377</u>
Number of Collisions:	<u>6</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.50</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>65</u>	State Average Rate:	<u>1.13 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

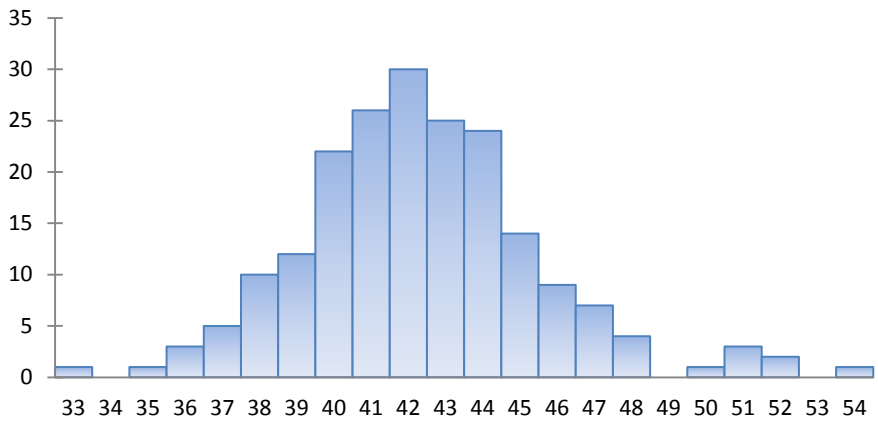
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	 <u>6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>LOUISE AVENUE - Union Rd to West City Limit</u>			40 MPH	
Posted Limit:	<u>40 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/11/2013</u>	Day:	<u>Thursday</u>		
Begin Time:	<u>9:30 AM</u>	End Time:	<u>10:15 AM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	21	0
Speed Range	<u>33 - 54 MPH</u>	22	0
50th percentile speed	<u>42 MPH</u>	23	0
85th percentile speed	<u>45 MPH</u>	24	0
10 mph pace speed	<u>38 - 47 MPH</u>	25	0
% in pace speed	<u>90%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	1
		34	0
		35	1
		36	3
		37	5
		38	10
		39	12
		40	22
		41	26
		42	30
		43	25
		44	24
		45	14
		46	9
		47	7
		48	4
		49	0
		50	0
		51	1
		52	3
		53	2
		54	1
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	200



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.45</u>	ADT:	<u>15,035</u>
Number of Collisions:	<u>10</u>	Count Date:	<u>4/2/13</u>
Calc. Collision Rate =	<u>0.63</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>40 - 65</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Due to the lack of continuous sidewalks and bike lanes, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

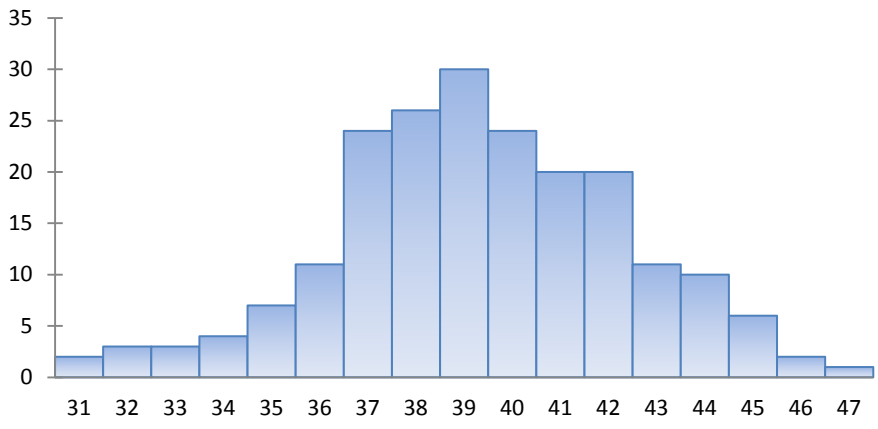
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	 <u>6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	MAIN STREET - Lathrop Rd to Alameda St			40 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/11/2013	Day:	Thursday		
Begin Time:	2:40 PM	End Time:	3:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	204	21	0
Speed Range	31 - 47 MPH	22	0
50th percentile speed	39 MPH	23	0
85th percentile speed	42 MPH	24	0
10 mph pace speed	35 - 44 MPH	25	0
% in pace speed	90%	26	0
		27	0
		28	0
		29	0
		30	0
		31	2
		32	3
		33	3
		34	4
		35	7
		36	11
		37	24
		38	26
		39	30
		40	24
		TOTAL	
			204



ANALYSIS INFORMATION			
Segment Length(mi):	0.95	ADT:	18,768
Number of Collisions:	13	Count Date:	4/2/13
Calc. Collision Rate =	1.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	64 - 84	State Average Rate:	1.13 c/mvm
Parking Conditions:	Varies	Configuration:	5 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.

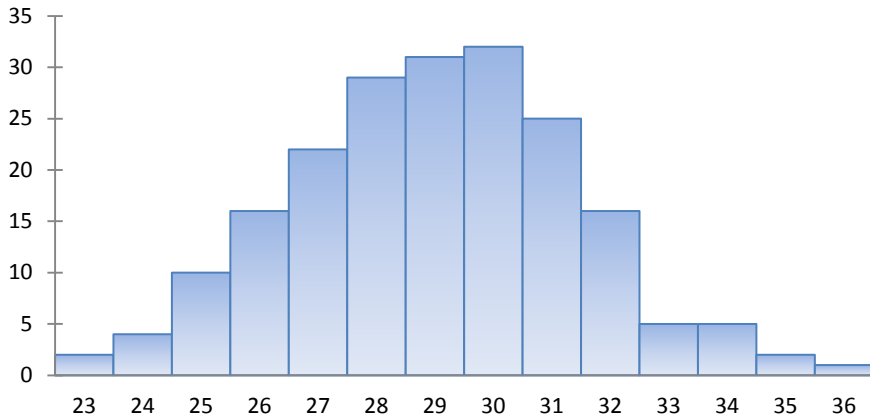
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>MAIN STREET - Alameda St to Wetmore St</u>	30 MPH	
Posted Limit:	<u>25 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/11/2013</u>		Day: <u>Thursday</u>
Begin Time:	<u>1:52 PM</u>		End Time: <u>2:35 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	21	0
Speed Range	<u>23 - 36 MPH</u>	22	0
50th percentile speed	<u>29 MPH</u>	23	2
85th percentile speed	<u>31 MPH</u>	24	4
10 mph pace speed	<u>25 - 34 MPH</u>	25	10
% in pace speed	<u>96%</u>	26	16
		27	22
		28	29
		29	31
		30	32
		31	25
		32	16
		33	5
		34	5
		35	2
		36	1
		37	0
		38	0
		39	0
		40	0
		TOTAL	
			200



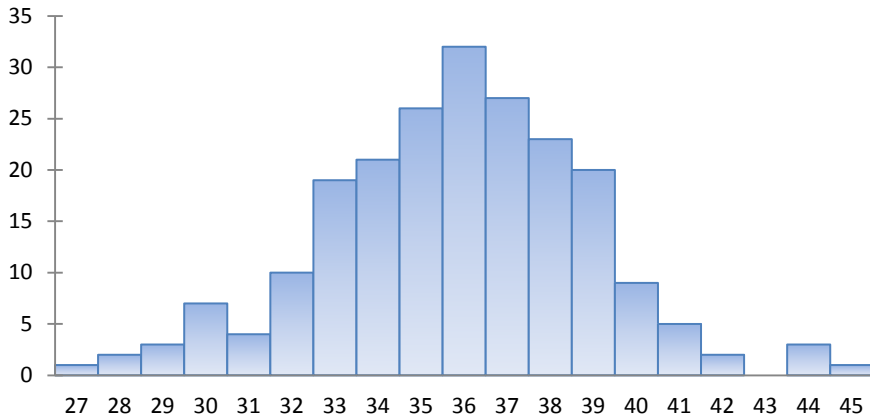
ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.78</u>	ADT:	<u>13,895</u>
Number of Collisions:	<u>6</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.76</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>45 - 70</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Varies</u>	Configuration:	<u>3 - 5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>
Other Considerations and Conditions not Readily Apparent: <u>None</u>			

RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature: <u><i>Jason Degroot</i> 6/19/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>MAIN STREET - Wetmore St to Woodward Ave</u>	35 MPH	
Posted Limit:	<u>35 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/2/2013</u>		Day: <u>Tuesday</u>
Begin Time:	<u>11:00 AM</u>		End Time: <u>11:30 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>215</u>	21	0
Speed Range	<u>27 - 45 MPH</u>	22	0
50th percentile speed	<u>36 MPH</u>	23	0
85th percentile speed	<u>39 MPH</u>	24	0
10 mph pace speed	<u>32 - 41 MPH</u>	25	0
% in pace speed	<u>89%</u>	26	0
		27	1
		28	2
		29	3
		30	7
		31	4
		32	10
		33	19
		34	21
		35	26
		36	32
		37	27
		38	23
		39	20
		40	9
		41	5
		42	2
		43	0
		44	0
		45	0
		TOTAL	215



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>16,734</u>
Number of Collisions:	<u>6</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.49</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>34 - 94</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Varies</u>	Configuration:	<u>2 - 5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

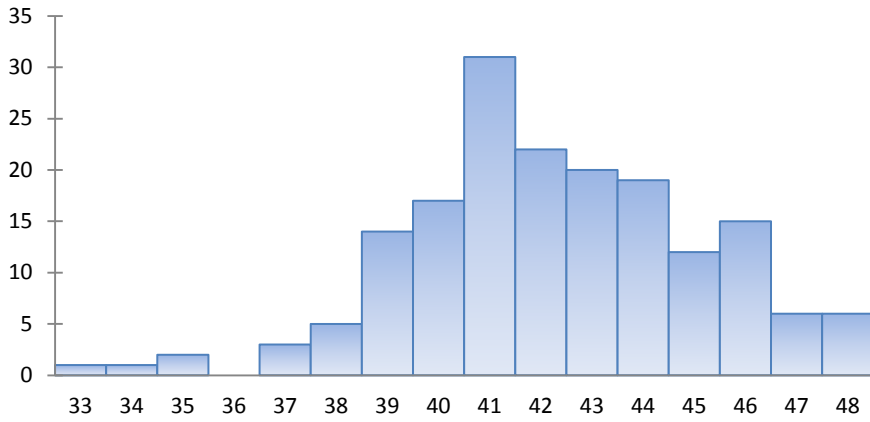
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u><i>Jason DeGroot</i> 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED
Location:	MAIN STREET - Woodward Ave to South City Limit	45 MPH
Posted Limit:	40 mph	
Direction:	Both	
Date:	4/2/2013	
Begin Time:	10:30 AM	
Weather:	Fair	
Recorder:	ATD	
Day:	Tuesday	
End Time:	11:30 AM	

Summary Statistics		Speed Number	Speed Number
Total Observed	174	21	0
Speed Range	33 - 48 MPH	41	31
50th percentile speed	42 MPH	22	0
85th percentile speed	46 MPH	42	22
10 mph pace speed	39 - 48 MPH	23	0
% in pace speed	93%	43	20
		24	0
		44	19
		25	0
		45	12
		26	0
		46	15
		27	0
		47	6
		28	0
		48	6
		29	0
		49	0
		30	0
		50	0
		31	0
		51	0
		32	0
		52	0
		33	1
		53	0
		34	1
		54	0
		35	2
		55	0
		36	0
		56	0
		37	3
		57	0
		38	5
		58	0
		39	14
		59	0
		40	17
		60	0
		TOTAL	174



ANALYSIS INFORMATION

Segment Length(mi):	1.25	ADT:	8,582	Count Date:	4/23/13
Number of Collisions:	0	Time Period:	2	years	
Calc. Collision Rate =	0.00	collisions per million vehicle-miles		State Average Rate:	0.98 c/mvm
Street Width (ft):	24 - 61	Configuration:	2 - 3	lanes	Terrain: Flat
Parking Conditions:	None	Sidewalk:	Varies		Bike Lanes: None

Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.

Signature: *Jason Degroot* 6/19/13




**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	MCKINLEY AVENUE - State Route 120 to Woodward Ave			50 MPH	
Posted Limit:	45 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/18/2013	Day:	Thursday		
Begin Time:	2:05 PM	End Time:	3:05 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	100	24	5
Speed Range	24 - 62 MPH	25	2
50th percentile speed	47 MPH	26	0
85th percentile speed	55 MPH	27	0
10 mph pace speed	42 - 51 MPH	28	0
% in pace speed	52%	29	0
		30	0
		31	0
		32	0
		33	0
		34	0
		35	2
		36	2
		37	0
		38	3
		39	1
		40	6
		41	0
		42	8
		43	2
		TOTAL	100

ANALYSIS INFORMATION			
Segment Length(mi):	0.66	ADT:	1,343
Number of Collisions:	2	Count Date:	4/17/13
Calc. Collision Rate =	3.09 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	24	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	None
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

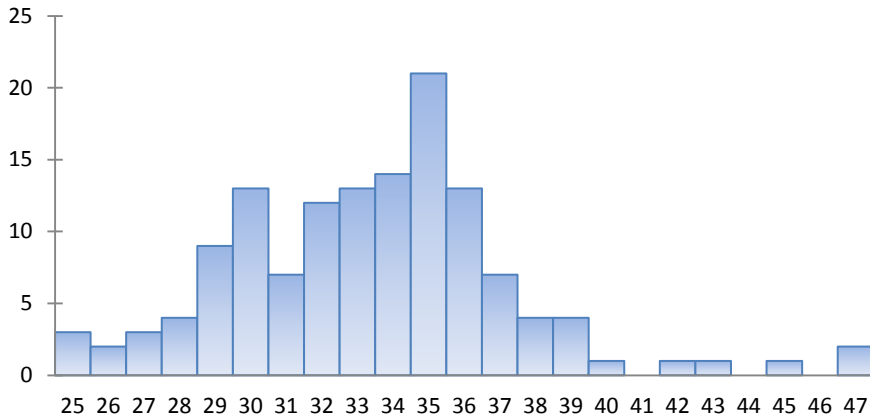
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 50 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	MISSION RIDGE DRIVE - Main St to Union Rd			30 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/16/2013	Day:	Tuesday		
Begin Time:	1:30 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	135	21	0
Speed Range	25 - 47 MPH	22	0
50th percentile speed	34 MPH	23	0
85th percentile speed	37 MPH	24	0
10 mph pace speed	28 - 37 MPH	25	3
% in pace speed	84%	26	2
		27	3
		28	4
		29	9
		30	13
		31	7
		32	12
		33	13
		34	14
		35	21
		36	13
		37	7
		38	4
		39	4
		40	1
		41	0
		42	0
		43	1
		44	0
		45	0
		46	0
		47	0
		TOTAL	135



ANALYSIS INFORMATION

Segment Length(mi):	1.31	ADT:	2,636	Count Date:	4/3/13
Number of Collisions:	3	Time Period:	2 years		
Calc. Collision Rate =	1.19 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	55 - 81	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	Both Sides	Sidewalk:	Both Sides	Bike Lanes:	Both Sides

Other Considerations and Conditions not Readily Apparent: Due to the residential density, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.

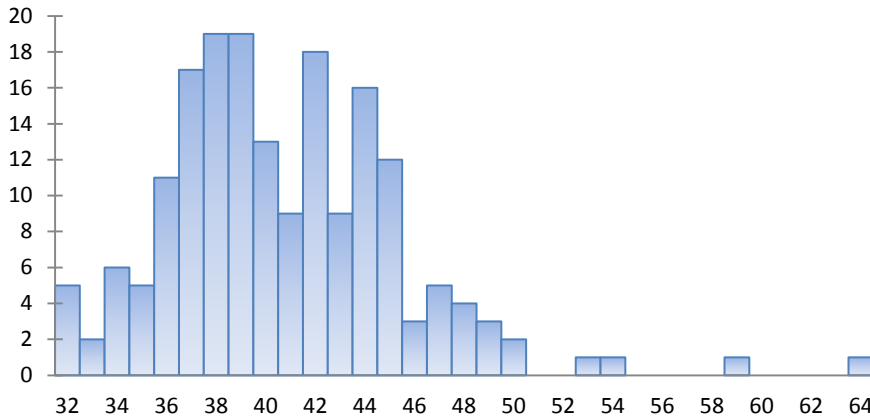
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	MOFFAT BOULEVARD - Powers Ave to Main St			40 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/18/2013	Day:	Thursday		
Begin Time:	9:30 AM	End Time:	10:25 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	201	26	0
Speed Range	27 - 64 MPH	27	1
50th percentile speed	39 MPH	28	6
85th percentile speed	45 MPH	29	1
10 mph pace speed	36 - 45 MPH	30	5
% in pace speed	71%	31	6
		32	5
		33	2
		34	6
		35	5
		36	11
		37	17
		38	19
		39	19
		40	13
		41	9
		42	18
		43	9
		44	16
		45	12
		TOTAL	
		201	



ANALYSIS INFORMATION			
Segment Length(mi):	0.73	ADT:	5,955
Number of Collisions:	1	Count Date:	4/3/13
Calc. Collision Rate =	0.32 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	47	State Average Rate:	0.98 c/mvm
Parking Conditions:	Varies	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the amount of pedestrians crossing the road to access the bike path and transit center, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

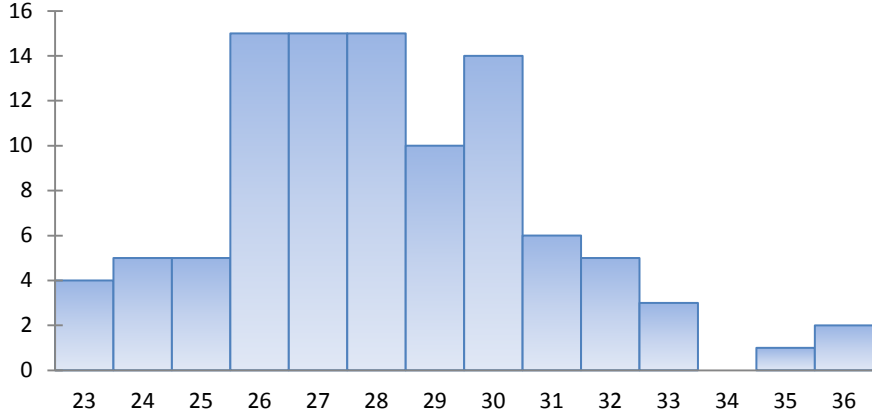
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NEHEMIAH DRIVE - Vasoncellos Ave to Button Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/26/2013	Day:	Friday		
Begin Time:	1:30 PM	End Time:	2:55 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	100	21	0
Speed Range	23 - 36 MPH	22	0
50th percentile speed	28 MPH	23	4
85th percentile speed	31 MPH	24	5
10 mph pace speed	23 - 32 MPH	25	5
% in pace speed	94%	26	15
		27	15
		28	15
		29	10
		30	14
		31	6
		32	5
		33	3
		34	0
		35	1
		36	2
		37	0
		38	0
		39	0
		40	0
		TOTAL	
			100



ANALYSIS INFORMATION			
Segment Length(mi):	0.52	ADT:	903
Number of Collisions:	1	Count Date:	4/23/13
Calc. Collision Rate =	2.92 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	45	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

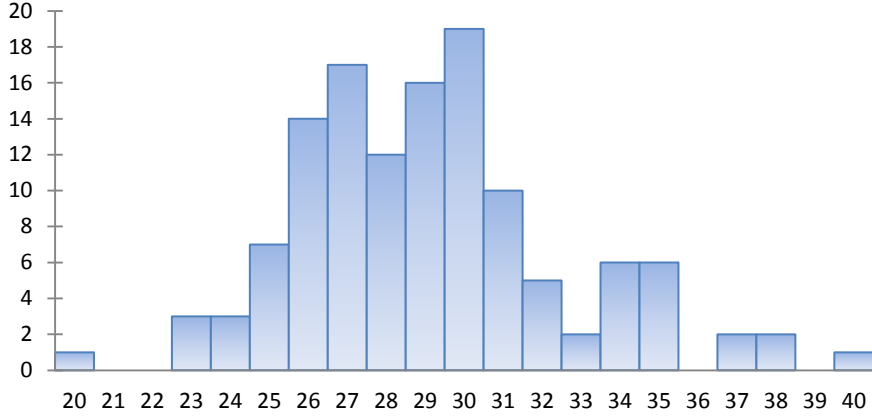
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NORTH STREET - Main St to Elm Ave			30 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/10/2013	Day:	Wednesday		
Begin Time:	10:00 AM	End Time:	11:00 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	126	16	0
Speed Range	20 - 40 MPH	17	0
50th percentile speed	29 MPH	18	0
85th percentile speed	33 MPH	19	0
10 mph pace speed	25 - 34 MPH	20	1
% in pace speed	86%	21	0
		22	0
		23	3
		24	3
		25	7
		26	14
		27	17
		28	12
		29	16
		30	19
		31	10
		32	5
		33	2
		34	6
		35	6
		36	0
		37	2
		38	2
		39	0
		40	1
		TOTAL	
			126



ANALYSIS INFORMATION			
Segment Length(mi):	0.33	ADT:	2,902
Number of Collisions:	0	Count Date:	4/3/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	41	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

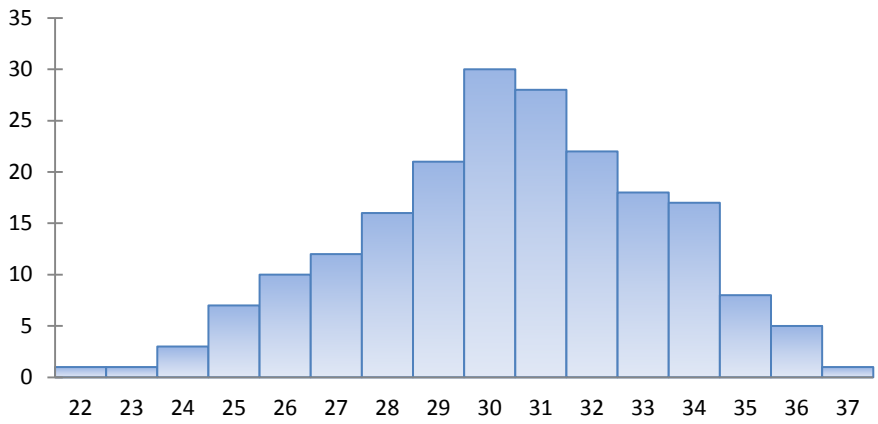
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>NORTH STREET - Cottage Ave to Main St</u>	30 MPH	
Posted Limit:	<u>30 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/10/2013</u>		Day: <u>Wednesday</u>
Begin Time:	<u>11:00 AM</u>		End Time: <u>11:59 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	21	0
Speed Range	<u>22 - 37 MPH</u>	22	1
50th percentile speed	<u>30 MPH</u>	23	1
85th percentile speed	<u>34 MPH</u>	24	3
10 mph pace speed	<u>26 - 35 MPH</u>	25	7
% in pace speed	<u>91%</u>	26	10
		27	12
		28	16
		29	21
		30	30
		31	28
		32	22
		33	18
		34	17
		35	8
		36	5
		37	1
		38	0
		39	0
		40	0
		TOTAL	
			200



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>4,769</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/3/13</u>
Calc. Collision Rate =	<u>0.86</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

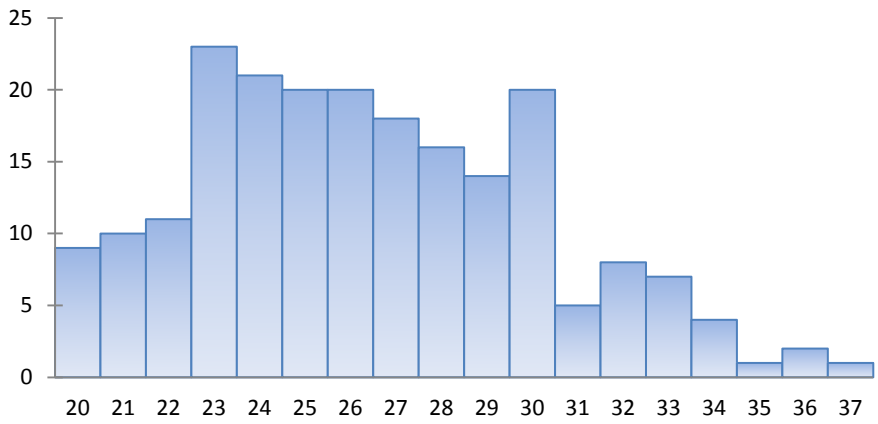
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u><i>Jason Degroot</i> 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NORTH STREET - Lovell Way to Cottage Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/19/2013	Day:	Friday		
Begin Time:	1:35 PM	End Time:	2:15 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	210	16	0
Speed Range	20 - 37 MPH	17	0
50th percentile speed	26 MPH	18	0
85th percentile speed	30 MPH	19	0
10 mph pace speed	21 - 30 MPH	20	9
% in pace speed	82%	21	10
		22	11
		23	23
		24	21
		25	20
		26	20
		27	18
		28	16
		29	14
		30	20
		31	5
		32	8
		33	7
		34	4
		35	1
		36	0
		37	0
		TOTAL	210



ANALYSIS INFORMATION			
Segment Length(mi):	0.26	ADT:	4,429
Number of Collisions:	3	Count Date:	4/3/13
Calc. Collision Rate =	3.57 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	41	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

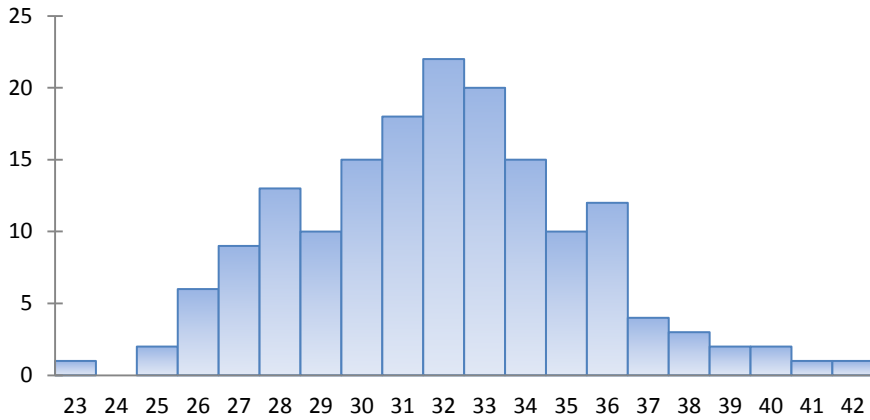
Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NORTHGATE DRIVE - Union Rd to Airport Way			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/10/2013	Day:	Wednesday		
Begin Time:	1:30 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	166	16	0
Speed Range	23 - 42 MPH	17	0
50th percentile speed	32 MPH	18	0
85th percentile speed	36 MPH	19	0
10 mph pace speed	27 - 36 MPH	20	0
% in pace speed	87%	21	0
		22	0
		23	1
		24	0
		25	2
		26	6
		27	9
		28	13
		29	10
		30	15
		31	18
		32	22
		33	20
		34	15
		35	10
		TOTAL	
			166



ANALYSIS INFORMATION

Segment Length(mi):	1.00	ADT:	4,623	Count Date:	4/2/13
Number of Collisions:	2	Time Period:	2 years		
Calc. Collision Rate =	0.59 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	45	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	Both Sides	Sidewalk:	Both Sides	Bike Lanes:	Both Sides

Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.

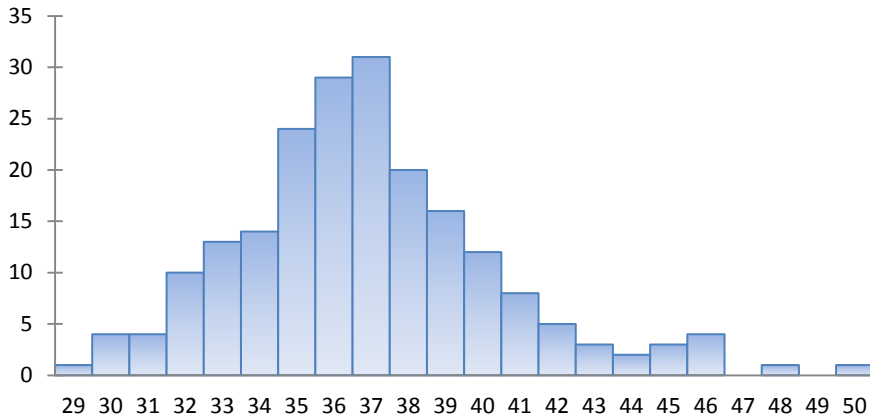
Signature: *Jason DeGroot 8/20/13*



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NORTHGATE DRIVE - Main St to Union Ave			35 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/10/2013	Day:	Wednesday		
Begin Time:	2:00 PM	End Time:	3:00 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	205	21	0
Speed Range	29 - 50 MPH	22	0
50th percentile speed	37 MPH	23	0
85th percentile speed	40 MPH	24	0
10 mph pace speed	32 - 41 MPH	25	0
% in pace speed	86%	26	0
		27	0
		28	0
		29	1
		30	4
		31	4
		32	10
		33	13
		34	14
		35	24
		36	29
		37	31
		38	20
		39	16
		40	12
		41	8
		42	5
		43	3
		44	2
		45	3
		46	4
		47	0
		48	1
		49	0
		50	1
		TOTAL	205



ANALYSIS INFORMATION

Segment Length(mi):	1.00	ADT:	8,275	Count Date:	4/2/13
Number of Collisions:	5	Time Period:	2 years		
Calc. Collision Rate =	0.83 collisions per million vehicle-miles	State Average Rate:	1.13 c/mvm		
Street Width (ft):	65	Configuration:	4 - 5 lanes	Terrain:	Flat
Parking Conditions:	Varies	Sidewalk:	Both Sides	Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the two schools and bike path crossing, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.

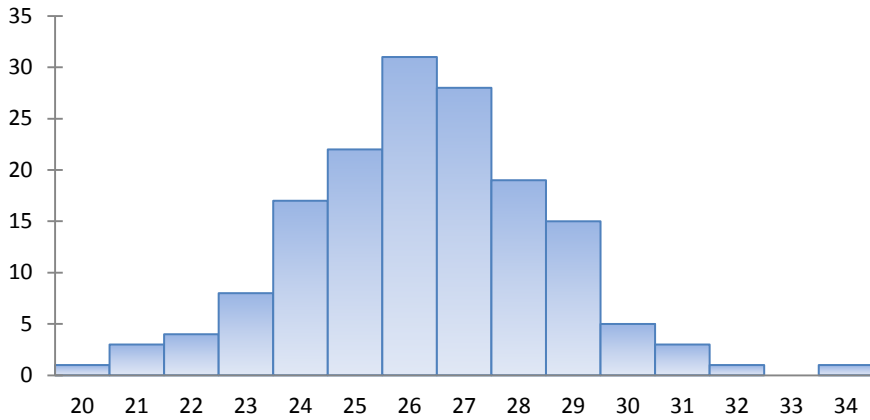
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	NORTHWOODS AVENUE - Lovell Way to Yosemite Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/3/2013	Day:	Wednesday		
Begin Time:	2:00 PM	End Time:	3:00 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	158	16	0
Speed Range	20 - 34 MPH	17	0
50th percentile speed	26 MPH	18	0
85th percentile speed	29 MPH	19	0
10 mph pace speed	21 - 30 MPH	20	1
% in pace speed	96%	21	3
		22	4
		23	8
		24	17
		25	22
		26	31
		27	28
		28	19
		29	15
		30	5
		31	3
		32	1
		33	0
		34	1
		35	0
		TOTAL	
			158



ANALYSIS INFORMATION			
Segment Length(mi):	0.25	ADT:	4,882
Number of Collisions:	2	Count Date:	4/3/13
Calc. Collision Rate =	2.24 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	41	State Average Rate:	0.98 c/mvm
Parking Conditions:	Varies	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Varies
		Bike Lanes:	None

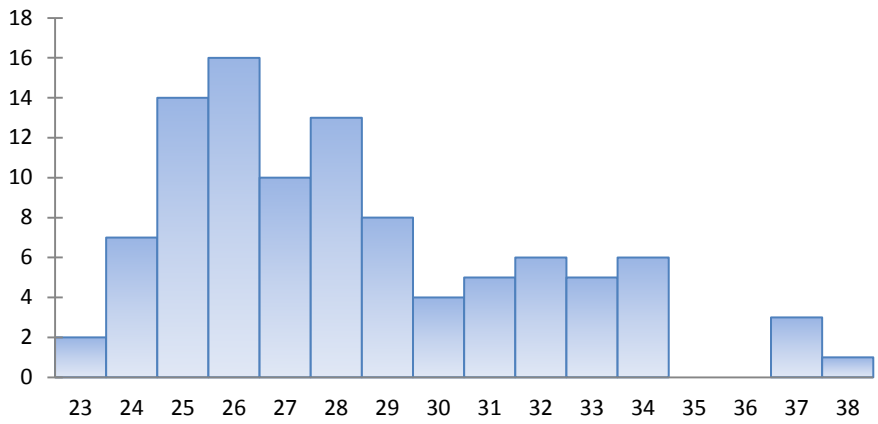
Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	PESTANA AVENUE - North Limit to Louise Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/2/2013	Day:	Tuesday		
Begin Time:	10:30 AM	End Time:	12:28 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	100	11	0
Speed Range	23 - 38 MPH	12	0
50th percentile speed	28 MPH	13	0
85th percentile speed	32 MPH	14	0
10 mph pace speed	24 - 33 MPH	15	0
% in pace speed	88%	16	0
		17	0
		18	0
		19	0
		20	0
		21	0
		22	0
		23	2
		24	7
		25	14
		26	16
		27	10
		28	13
		29	8
		30	4
		31	0
		32	0
		33	0
		34	0
		35	0
		36	0
		37	0
		38	0
		TOTAL	100



ANALYSIS INFORMATION			
Segment Length(mi):	0.25	ADT:	1,452
Number of Collisions:	1	Count Date:	4/2/13
Calc. Collision Rate =	3.77 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	45	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

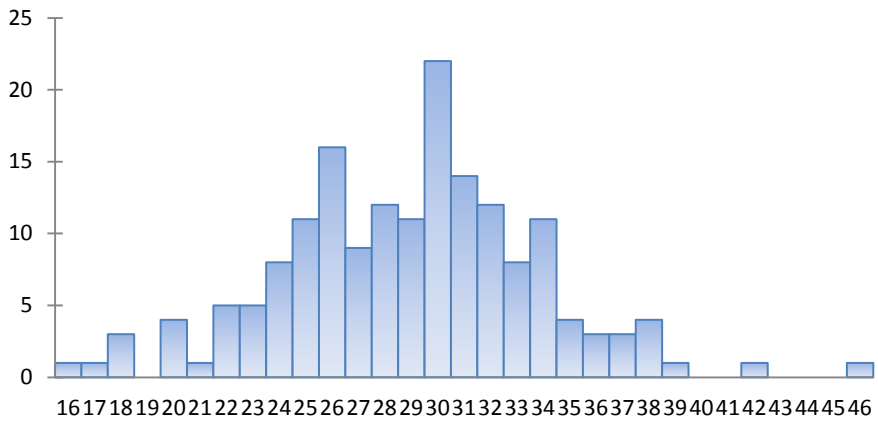
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	PHOENIX DRIVE - Commerce Ave to Spreckels Ave			30 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/15/2013	Day:	Monday		
Begin Time:	2:15 PM	End Time:	3:15 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	171	16	1
Speed Range	16 - 46 MPH	17	1
50th percentile speed	29 MPH	18	3
85th percentile speed	34 MPH	19	0
10 mph pace speed	25 - 34 MPH	20	4
% in pace speed	74%	21	1
		22	5
		23	5
		24	8
		25	11
		26	16
		27	9
		28	12
		29	11
		30	22
		31	14
		32	12
		33	8
		34	11
		35	4
		TOTAL	171



ANALYSIS INFORMATION			
Segment Length(mi):	0.19	ADT:	3,671
Number of Collisions:	0	Count Date:	4/16/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	45	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	3 lanes
		Terrain:	Flat
		Sidewalk:	One Side
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

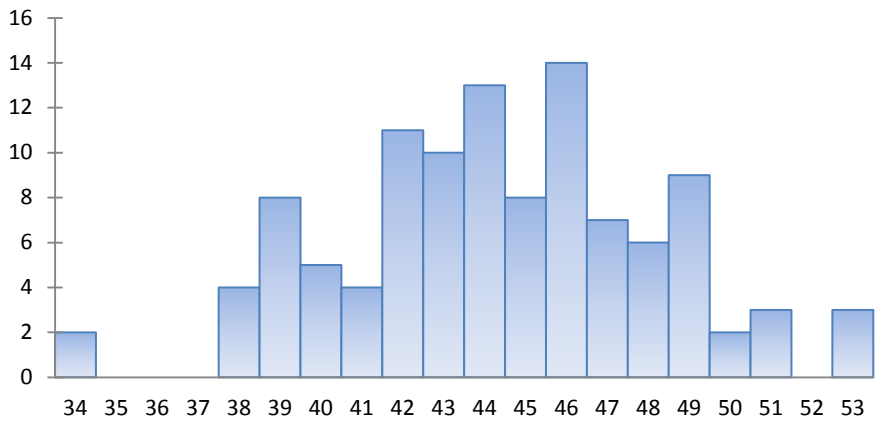
RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>SOUTHLAND ROAD - Mitchell Road to West City Limit</u>	45 MPH	
Posted Limit:	<u>45 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/26/2013</u>		Day: <u>Friday</u>
Begin Time:	<u>9:30 AM</u>		End Time: <u>10:30 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>113</u>	21	0
Speed Range	<u>34 - 58 MPH</u>	22	0
50th percentile speed	<u>44 MPH</u>	23	0
85th percentile speed	<u>49 MPH</u>	24	0
10 mph pace speed	<u>40 - 49 MPH</u>	25	0
% in pace speed	<u>77%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	2
		35	0
		36	0
		37	0
		38	4
		39	8
		40	5
		41	4
		42	11
		43	10
		44	13
		45	8
		46	14
		47	7
		48	6
		49	9
		50	2
		51	3
		52	0
		53	3
		54	0
		55	0
		56	1
		57	2
		58	1
		59	0
		60	0
		TOTAL	113



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.80</u>	ADT:	<u>1,872</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/16/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>25</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u>Jason Degroot 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	SPRECKELS AVENUE - Yosemite Ave to Moffat Blvd			40 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/18/2013	Day:	Thursday		
Begin Time:	10:40 AM	End Time:	11:40 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	231	21	0
Speed Range	29 - 58 MPH	22	0
50th percentile speed	42 MPH	23	0
85th percentile speed	47 MPH	24	0
10 mph pace speed	38 - 47 MPH	25	0
% in pace speed	79%	26	0
		27	0
		28	0
		29	1
		30	0
		31	1
		32	2
		33	1
		34	1
		35	1
		36	8
		37	6
		38	16
		39	22
		40	26
		TOTAL	231

ANALYSIS INFORMATION			
Segment Length(mi):	0.87	ADT:	14,231
Number of Collisions:	9	Count Date:	4/3/13
Calc. Collision Rate =	1.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	70	State Average Rate:	1.13 c/mvm
Parking Conditions:	None	Configuration:	5 lanes
		Terrain:	Flat
		Sidewalk:	None
		Bike Lanes:	Class 1

Other Considerations and Conditions not Readily Apparent: Due to the collision rate near the state average and the high volume of slow moving truck traffic, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.

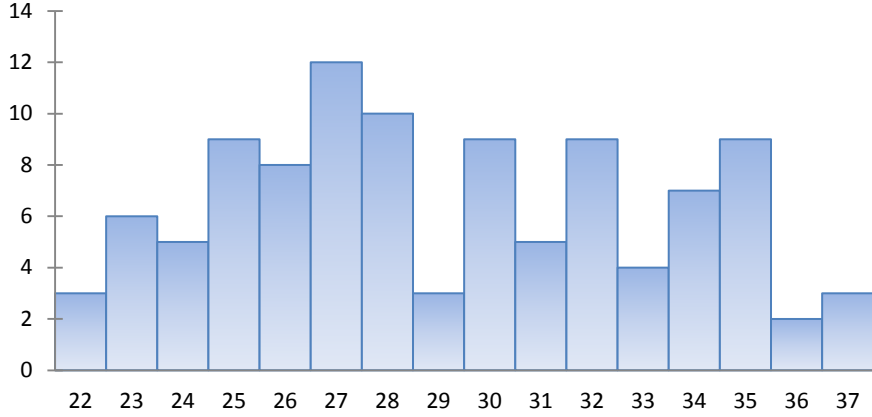
Signature: *Jason DeGroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	THOMAS STREET - Winters Dr to Fishback Rd			30 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/22/2013	Day:	Monday		
Begin Time:	1:30 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	104	16	0
Speed Range	22 - 37 MPH	17	0
50th percentile speed	28 MPH	18	0
85th percentile speed	34 MPH	19	0
10 mph pace speed	23 - 32 MPH	20	0
% in pace speed	73%	21	0
		22	3
		23	6
		24	5
		25	9
		26	8
		27	12
		28	10
		29	3
		30	9
		31	5
		32	9
		33	4
		34	7
		35	9
		36	0
		37	0
		TOTAL	104



ANALYSIS INFORMATION			
Segment Length(mi):	0.33	ADT:	1,743
Number of Collisions:	0	Count Date:	4/3/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	52 - 64	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	4 - 5 lanes
		Terrain:	Flat
		Sidewalk:	Varies
		Bike Lanes:	None

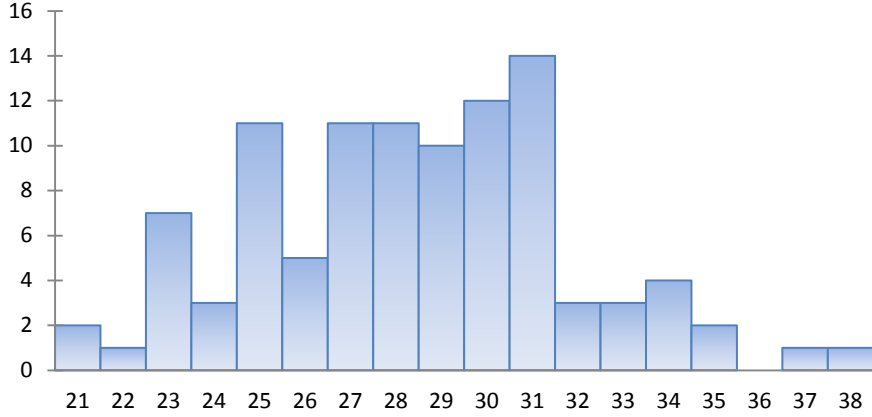
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	TRAILWOOD AVENUE - Northgate Dr to Louise Ave			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/26/2013	Day:	Friday		
Begin Time:	9:30 AM	End Time:	11:00 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	101	16	0
Speed Range	21 - 38 MPH	17	0
50th percentile speed	28 MPH	18	0
85th percentile speed	31 MPH	19	0
10 mph pace speed	23 - 32 MPH	20	0
% in pace speed	86%	21	2
		22	1
		23	7
		24	3
		25	11
		26	5
		27	11
		28	11
		29	10
		30	12
		31	14
		32	3
		33	3
		34	4
		35	2
		36	0
		37	1
		38	0
		TOTAL	101



ANALYSIS INFORMATION			
Segment Length(mi):	0.57	ADT:	1,587
Number of Collisions:	1	Count Date:	4/16/13
Calc. Collision Rate =	1.51 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	45	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

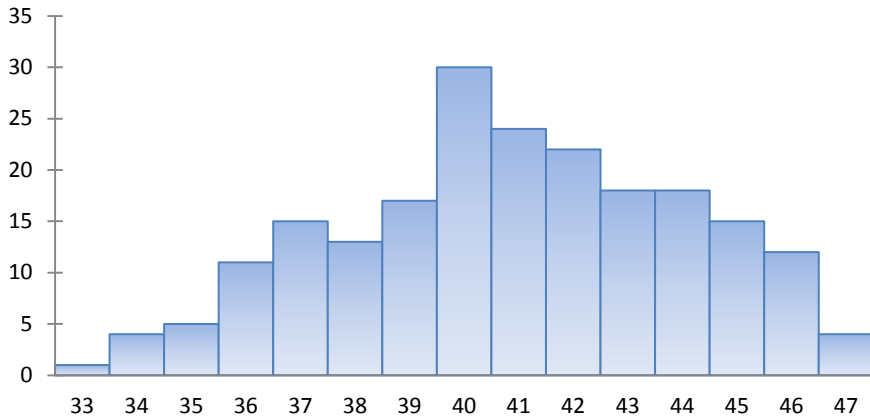
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>UNION ROAD - Wawona St to South City Limit</u>	40 MPH	
Posted Limit:	<u>35 - 40 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/10/2013</u>		Day: <u>Wednesday</u>
Begin Time:	<u>1:30 PM</u>		End Time: <u>1:50 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>209</u>	16	0
Speed Range	<u>33 - 47 MPH</u>	17	0
50th percentile speed	<u>41 MPH</u>	18	0
85th percentile speed	<u>44 MPH</u>	19	0
10 mph pace speed	<u>37 - 46 MPH</u>	20	0
% in pace speed	<u>88%</u>	21	0
		22	0
		23	0
		24	0
		25	0
		26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	1
		34	4
		35	5
		TOTAL	209



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>17,389</u>
Number of Collisions:	<u>4</u>	Count Date:	<u>4/16/13</u>
Calc. Collision Rate =	<u>0.32</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>64 - 100</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

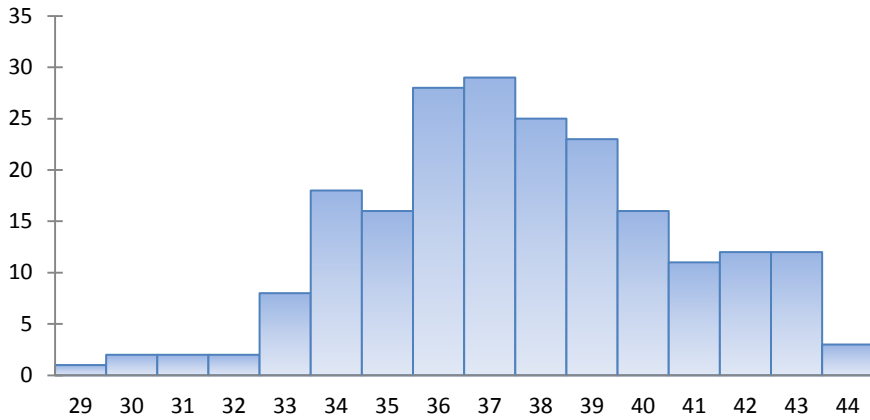
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>UNION ROAD - Center St to Wawona St</u>			35 MPH		
Posted Limit:	<u>35 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>			
Date:	<u>4/8/2013</u>	Day:	<u>Monday</u>			
Begin Time:	<u>1:30 PM</u>	End Time:	<u>1:50 PM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>208</u>	21	0
Speed Range	<u>29 - 44 MPH</u>	22	0
50th percentile speed	<u>37 MPH</u>	23	0
85th percentile speed	<u>41 MPH</u>	24	0
10 mph pace speed	<u>34 - 43 MPH</u>	25	0
% in pace speed	<u>91%</u>	26	0
		27	0
		28	0
		29	1
		30	2
		31	2
		32	2
		33	8
		34	18
		35	16
		36	28
		37	29
		38	25
		39	23
		40	16
		TOTAL	
			208



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.53</u>	ADT:	<u>17,065</u>
Number of Collisions:	<u>8</u>	Count Date:	<u>4/16/13</u>
Calc. Collision Rate =	<u>1.21</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>65</u>	State Average Rate:	<u>1.13 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>None</u>

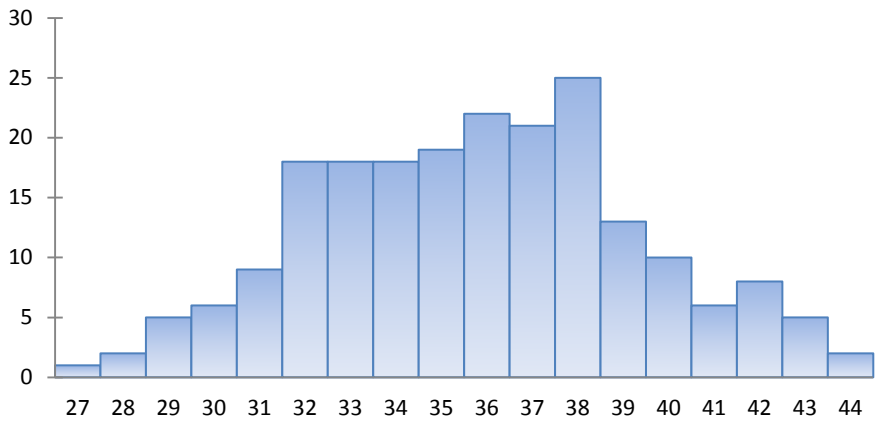
Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	UNION ROAD - Louise Ave to Center St			40 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/9/2013	Day:	Tuesday		
Begin Time:	1:30 PM	End Time:	1:45 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	208	21	0
Speed Range	27 - 44 MPH	22	0
50th percentile speed	36 MPH	23	0
85th percentile speed	39 MPH	24	0
10 mph pace speed	31 - 40 MPH	25	0
% in pace speed	83%	26	0
		27	1
		28	2
		29	5
		30	6
		31	9
		32	18
		33	18
		34	18
		35	19
		36	22
		37	21
		38	25
		39	13
		40	10
		TOTAL	208



ANALYSIS INFORMATION			
Segment Length(mi):	1.00	ADT:	17,776
Number of Collisions:	5	Count Date:	4/16/13
Calc. Collision Rate =	0.39 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	65	State Average Rate:	1.13 c/mvm
Parking Conditions:	Varies	Configuration:	5 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

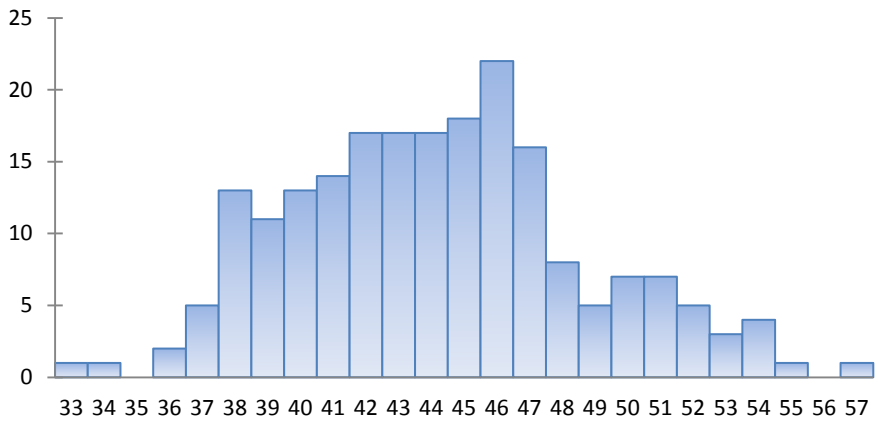
Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 40 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>UNION ROAD - North City Limit to Lathrop Rd</u>	45 MPH	
Posted Limit:	<u>45 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/9/2013</u>		Day: <u>Tuesday</u>
Begin Time:	<u>2:10 PM</u>		End Time: <u>2:45 PM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>208</u>	31	0
Speed Range	<u>33 - 57 MPH</u>	32	0
50th percentile speed	<u>44 MPH</u>	33	1
85th percentile speed	<u>49 MPH</u>	34	1
10 mph pace speed	<u>38 - 47 MPH</u>	35	0
% in pace speed	<u>76%</u>	36	2
		37	5
		38	13
		39	11
		40	13
		41	14
		42	17
		43	17
		44	17
		45	18
		46	22
		47	16
		48	8
		49	5
		50	7
		51	7
		52	5
		53	3
		54	4
		55	1
		56	0
		57	1
		58	0
		59	0
		60	0
		61	0
		62	0
		63	0
		64	0
		65	0
		66	0
		67	0
		68	0
		69	0
		70	0
		TOTAL	208



ANALYSIS INFORMATION

Segment Length(mi):	<u>0.78</u>	ADT:	<u>7,672</u>	Count Date:	<u>4/16/13</u>
Number of Collisions:	<u>2</u>	Time Period:	<u>2</u> years		
Calc. Collision Rate =	<u>0.46</u> collisions per million vehicle-miles	State Average Rate:	<u>0.98 c/mvm</u>		
Street Width (ft):	<u>53 - 65</u>	Configuration:	<u>3 - 5</u> lanes	Terrain:	<u>Flat</u>
Parking Conditions:	<u>None</u>	Sidewalk:	<u>Varies</u>	Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.

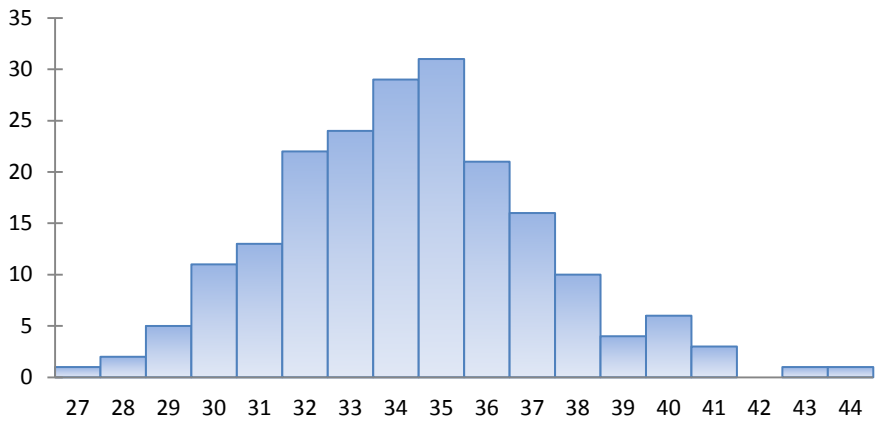
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>VAN RYN AVENUE - Industrial Park Dr to Woodward Ave</u>			35 MPH	
Posted Limit:	<u>35 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/26/2013</u>	Day:	<u>Friday</u>		
Begin Time:	<u>2:05 PM</u>	End Time:	<u>2:55 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>200</u>	16	0
Speed Range	<u>27 - 44 MPH</u>	17	0
50th percentile speed	<u>34 MPH</u>	18	0
85th percentile speed	<u>37 MPH</u>	19	0
10 mph pace speed	<u>29 - 38 MPH</u>	20	0
% in pace speed	<u>91%</u>	21	0
		22	0
		23	0
		24	0
		25	0
		26	0
		27	1
		28	2
		29	5
		30	11
		31	13
		32	22
		33	24
		34	29
		35	31
		TOTAL	
		200	



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.65</u>	ADT:	<u>3,431</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>4/30/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>Varies</u>

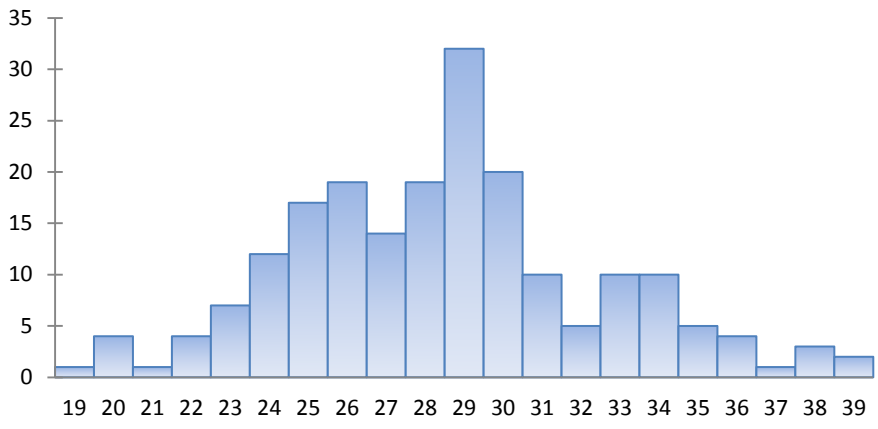
Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	WAWONA STREET - Main St to Union Rd			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/22/2013	Day:	Monday		
Begin Time:	10:45 AM	End Time:	11:30 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	200	16	0
Speed Range	19 - 39 MPH	17	0
50th percentile speed	29 MPH	18	0
85th percentile speed	33 MPH	19	1
10 mph pace speed	24 - 33 MPH	20	4
% in pace speed	79%	21	1
		22	4
		23	7
		24	12
		25	17
		26	19
		27	14
		28	19
		29	32
		30	20
		31	10
		32	5
		33	10
		34	5
		35	10
		36	4
		37	0
		38	0
		39	0
		TOTAL	200



ANALYSIS INFORMATION

Segment Length(mi):	1.00	ADT:	4,384	Count Date:	4/16/13
Number of Collisions:	0	Time Period:	2 years		
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	41 - 44	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	Both Sides	Sidewalk:	Both Sides	Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.

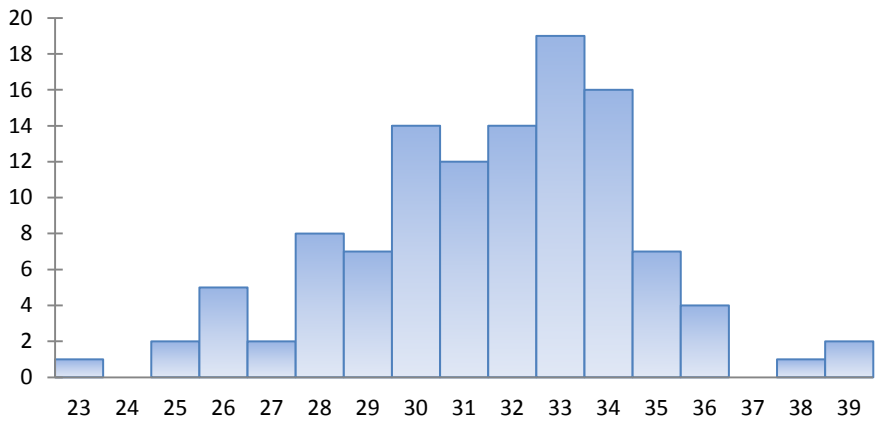
Signature: *Jason Degroot* 6/19/13



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	WETMORE AVENUE - Main St to Mellon Ave			30 MPH	
Posted Limit:	30 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/17/2013	Day:	Wednesday		
Begin Time:	9:30 AM	End Time:	11:15 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	114	16	0
Speed Range	23 - 39 MPH	17	0
50th percentile speed	32 MPH	18	0
85th percentile speed	34 MPH	19	0
10 mph pace speed	26 - 35 MPH	20	0
% in pace speed	91%	21	0
		22	0
		23	1
		24	0
		25	2
		26	5
		27	2
		28	8
		29	7
		30	14
		31	12
		32	14
		33	19
		34	16
		35	7
		TOTAL	
			114



ANALYSIS INFORMATION			
Segment Length(mi):	0.37	ADT:	1,225
Number of Collisions:	0	Count Date:	4/16/13
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	50	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	None
		Bike Lanes:	None

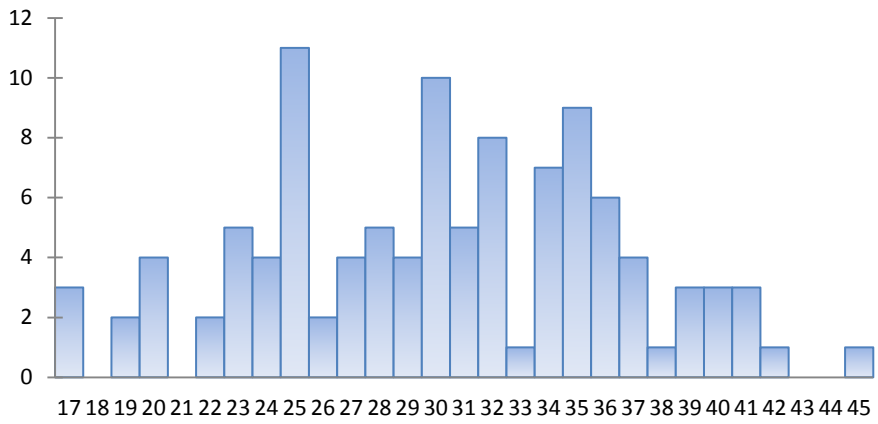
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u>Jason DeGroot 8/20/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED 25 MPH
Location:	<u>WINTERS DRIVE - Wawona St to Daniels St</u>			
Posted Limit:	<u>25 mph</u>			
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>	
Date:	<u>4/22/2013</u>	Day:	<u>Monday</u>	
Begin Time:	<u>10:35 AM</u>	End Time:	<u>11:35 AM</u>	
Weather:	<u>Fair</u>			

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>108</u>	16	0
Speed Range	<u>15 - 45 MPH</u>	17	3
50th percentile speed	<u>30 MPH</u>	18	0
85th percentile speed	<u>36 MPH</u>	19	2
10 mph pace speed	<u>27 - 36 MPH</u>	20	4
% in pace speed	<u>54%</u>	21	0
		22	2
		23	5
		24	4
		25	11
		26	2
		27	4
		28	5
		29	4
		30	10
		31	5
		32	8
		33	1
		34	7
		35	9
		TOTAL	
			108



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.34</u>	ADT:	<u>2,732</u>
Number of Collisions:	<u>0</u>	Count Date:	<u>8/14/13</u>
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>56</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Both Sides</u>

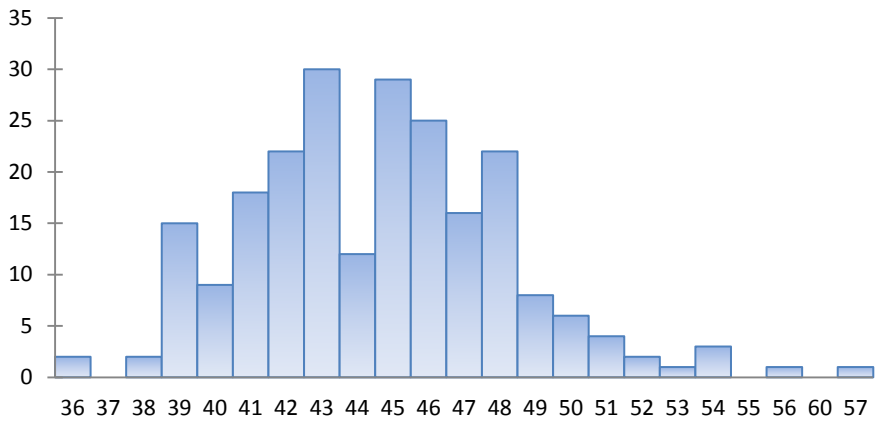
Other Considerations and Conditions not Readily Apparent: This roadway meets the requirements of Section 515 "Residence District" of the California Vehicle Code.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason DeGroot</i> 8/20/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>WOODWARD AVENUE - Moffat Blvd to Main St</u>	45 MPH	
Posted Limit:	<u>45 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>ATD</u>
Date:	<u>4/17/2013</u>		Day: <u>Wednesday</u>
Begin Time:	<u>1:45 PM</u>		End Time: <u>2:45 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>228</u>	21	0
Speed Range	<u>36 - 57 MPH</u>	22	0
50th percentile speed	<u>45 MPH</u>	23	0
85th percentile speed	<u>48 MPH</u>	24	0
10 mph pace speed	<u>39 - 48 MPH</u>	25	0
% in pace speed	<u>87%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	0
		35	0
		36	2
		37	0
		38	2
		39	15
		40	9
		41	18
		42	22
		43	30
		44	12
		45	29
		46	25
		47	16
		48	22
		49	8
		50	6
		51	4
		52	2
		53	1
		54	3
		55	0
		56	1
		57	1
		58	0
		59	0
		60	0
		TOTAL	228



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.78</u>	ADT:	<u>4,049</u>
Number of Collisions:	<u>3</u>	Count Date:	<u>4/30/13</u>
Calc. Collision Rate =	<u>0.57</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>24 - 65</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 5</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Varies</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

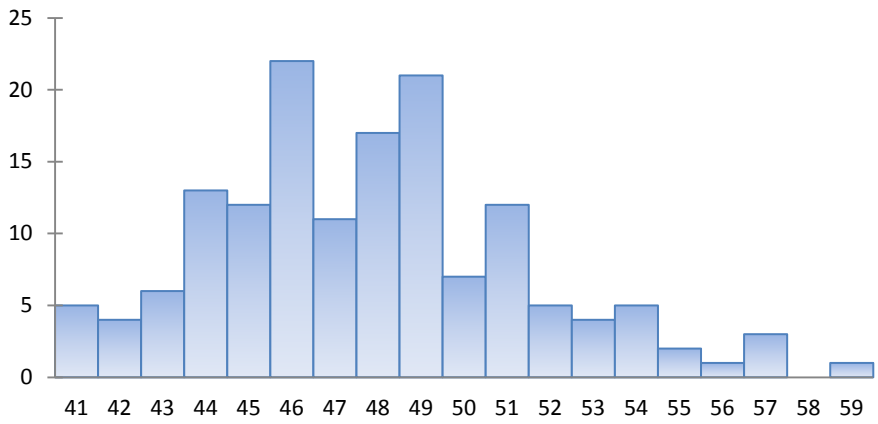
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u><i>Jason Degroot</i> 6/19/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	<u>WOODWARD AVENUE - Union Rd to Airport Way</u>			45 MPH	
Posted Limit:	<u>45 mph</u>				
Direction:	<u>Both</u>	Recorder:	<u>ATD</u>		
Date:	<u>4/18/2013</u>	Day:	<u>Thursday</u>		
Begin Time:	<u>1:45 PM</u>	End Time:	<u>2:45 PM</u>		
Weather:	<u>Fair</u>				

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>151</u>	21	0
Speed Range	<u>41 - 59 MPH</u>	22	0
50th percentile speed	<u>48 MPH</u>	23	0
85th percentile speed	<u>51 MPH</u>	24	0
10 mph pace speed	<u>43 - 52 MPH</u>	25	0
% in pace speed	<u>83%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	0
		33	0
		34	0
		35	0
		36	0
		37	0
		38	0
		39	0
		40	0
		TOTAL	
			151



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>2,513</u>
Number of Collisions:	<u>2</u>	Count Date:	<u>4/30/13</u>
Calc. Collision Rate =	<u>1.09</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

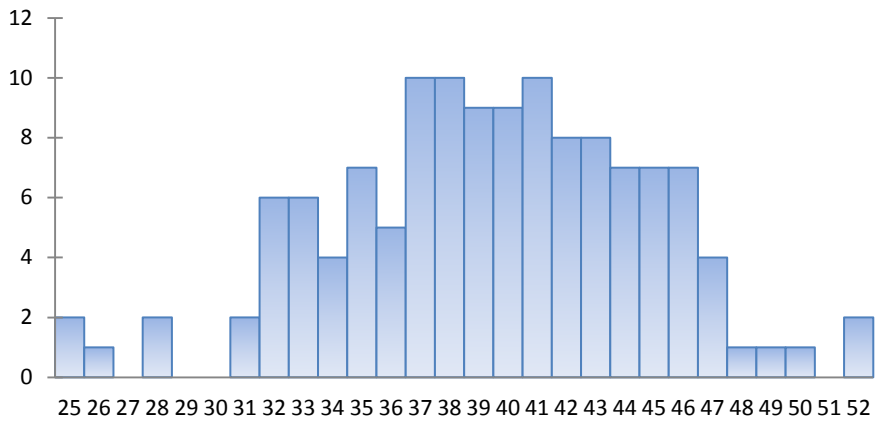
Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature: <u><i>Jason Degroot</i></u> <u>6/19/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**


VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	WOODWARD AVENUE - Airport Way to McKinley Ave			45 MPH	
Posted Limit:	35 - 45 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/18/2013	Day:	Thursday		
Begin Time:	1:00 PM	End Time:	2:00 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	129	21	0
Speed Range	25 - 52 MPH	22	0
50th percentile speed	40 MPH	23	0
85th percentile speed	45 MPH	24	0
10 mph pace speed	37 - 46 MPH	25	2
% in pace speed	66%	26	1
		27	0
		28	2
		29	0
		30	0
		31	2
		32	6
		33	6
		34	4
		35	7
		36	5
		37	10
		38	10
		39	9
		40	9
		41	10
		42	8
		43	8
		44	7
		45	7
		46	7
		47	4
		48	1
		49	1
		50	1
		51	0
		52	2
		53	0
		54	0
		55	0
		56	0
		57	0
		58	0
		59	0
		60	0
		TOTAL	129



ANALYSIS INFORMATION			
Segment Length(mi):	1.00	ADT:	3,120
Number of Collisions:	1	Count Date:	4/3/13
Calc. Collision Rate =	0.44 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	28 - 53	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	2 - 3 lanes
		Terrain:	Flat
		Sidewalk:	Varies
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: None

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	





**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	WOODWARD AVENUE - McKinley Ave to S. Woodward Ave			50 MPH	
Posted Limit:	45 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/18/2013	Day:	Thursday		
Begin Time:	11:45 AM	End Time:	12:45 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	119	26	0
Speed Range	41 - 63 MPH	27	0
50th percentile speed	50 MPH	28	0
85th percentile speed	57 MPH	29	0
10 mph pace speed	44 - 53 MPH	30	0
% in pace speed	74%	31	0
		32	0
		33	0
		34	0
		35	0
		36	0
		37	0
		38	0
		39	0
		40	0
		41	2
		42	0
		43	2
		44	7
		45	2
		TOTAL	119

ANALYSIS INFORMATION			
Segment Length(mi):	1.43	ADT:	2,114
Number of Collisions:	1	Count Date:	4/17/13
Calc. Collision Rate =	0.45 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	25	State Average Rate:	0.98 c/mvm
Parking Conditions:	None	Configuration:	2 lanes
		Terrain:	Flat
		Sidewalk:	None
		Bike Lanes:	None

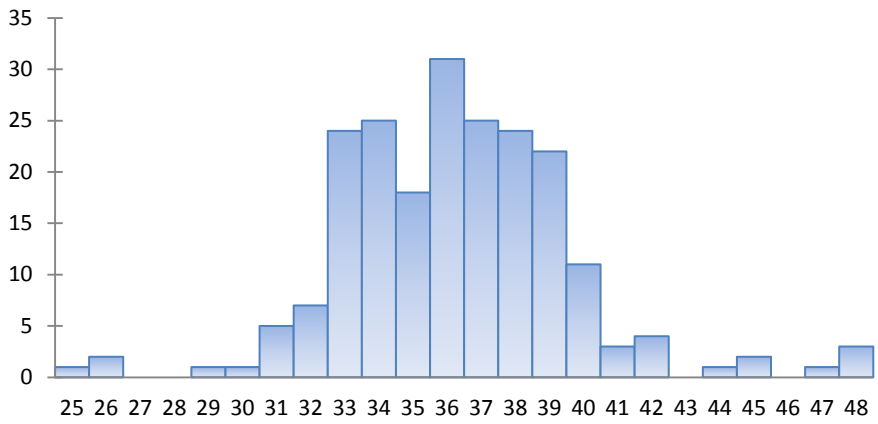
Other Considerations and Conditions not Readily Apparent: Due to the lack of sidewalks and bike lanes, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 50 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	YOSEMITE AVENUE - 1,000ft West of Walnut Ave to Winters Dr			35 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/16/2013	Day:	Tuesday		
Begin Time:	2:00 PM	End Time:	2:30 PM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number	
Total Observed	211	21	0	
Speed Range	25 - 48 MPH	22	0	
50th percentile speed	36 MPH	23	0	
85th percentile speed	39 MPH	24	0	
10 mph pace speed	31 - 40 MPH	25	1	
% in pace speed	91%	26	2	
		27	0	
		28	0	
		29	1	
		30	1	
		31	5	
		32	7	
		33	24	
		34	25	
		35	18	
		36	31	
		37	25	
		38	24	
		39	22	
		40	11	
			41	3
			42	4
			43	0
			44	1
			45	2
			46	0
			47	1
			48	3
			49	0
			50	0
			51	0
			52	0
			53	0
			54	0
			55	0
			56	0
			57	0
			58	0
			59	0
			60	0
		TOTAL	211	



ANALYSIS INFORMATION			
Segment Length(mi):	0.71	ADT:	16,927
Number of Collisions:	3	Count Date:	4/23/13
Calc. Collision Rate =	0.34 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	74 - 81	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	4 - 5 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	Both Sides

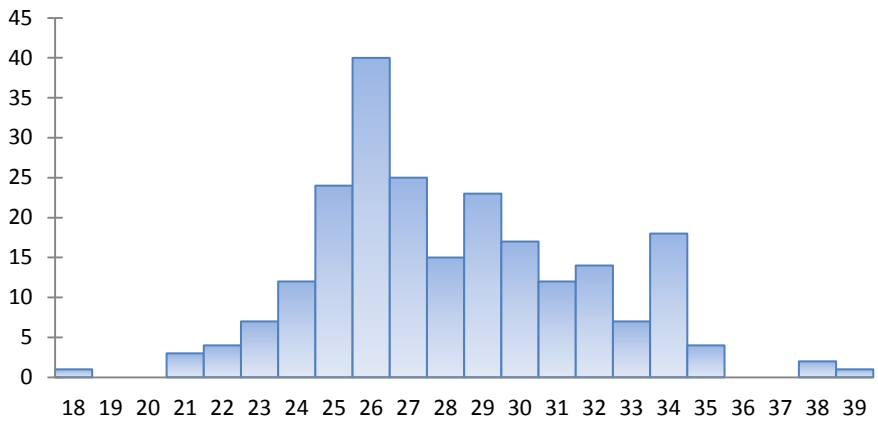
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	YOSEMITE AVENUE - Powers Ave to Main St			25 MPH	
Posted Limit:	25 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/19/2013	Day:	Friday		
Begin Time:	9:45 AM	End Time:	10:15 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	229	16	0
Speed Range	18 - 39 MPH	17	0
50th percentile speed	27 MPH	18	1
85th percentile speed	32 MPH	19	0
10 mph pace speed	25 - 34 MPH	20	0
% in pace speed	85%	21	3
		22	4
		23	7
		24	12
		25	24
		26	40
		27	25
		28	15
		29	23
		30	17
		31	12
		32	14
		33	7
		34	18
		35	4
		TOTAL	
			229



ANALYSIS INFORMATION			
Segment Length(mi):	0.63	ADT:	13,948
Number of Collisions:	7	Count Date:	4/17/13
Calc. Collision Rate =	1.09 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	46 - 60	State Average Rate:	0.98 c/mvm
Parking Conditions:	Both Sides	Configuration:	2 - 3 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Due to the collision rate exceeding the state average collision rate, a 5 mph reduction from the 85th percentile speed is determined to be reasonable and appropriate.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 25 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i> 6/19/13</u></p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	YOSEMITE AVENUE - State Route 99 to Powers Ave			35 MPH	
Posted Limit:	35 mph				
Direction:	Both	Recorder:	ATD		
Date:	4/19/2013	Day:	Friday		
Begin Time:	10:30 AM	End Time:	11:00 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	235	16	0
Speed Range	21 - 45 MPH	17	0
50th percentile speed	32 MPH	18	0
85th percentile speed	35 MPH	19	0
10 mph pace speed	28 - 37 MPH	20	0
% in pace speed	84%	21	1
		22	0
		23	1
		24	2
		25	4
		26	8
		27	10
		28	18
		29	17
		30	32
		31	15
		32	32
		33	21
		34	22
		35	22
		TOTAL	
			235

ANALYSIS INFORMATION			
Segment Length(mi):	0.70	ADT:	22,126
Number of Collisions:	5	Count Date:	4/23/13
Calc. Collision Rate =	0.44 collisions per million vehicle-miles	Time Period:	2 years
Street Width (ft):	67 - 106	State Average Rate:	0.98 c/mvm
Parking Conditions:	Varies	Configuration:	5 - 6 lanes
		Terrain:	Flat
		Sidewalk:	Both Sides
		Bike Lanes:	None
Other Considerations and Conditions not Readily Apparent: None			

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
<p>Signature: <u><i>Jason Degroot</i></u> 6/19/13</p>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED		
Location:	<u>DAISYWOOD DRIVE - Riverberry Dr to Airport Way</u>			30 MPH		
Posted Limit:	<u>25 mph</u>					
Direction:	<u>Both</u>	Recorder:	<u>Jason DeGroot</u>			
Date:	<u>5/22/2013</u>	Day:	<u>Wednesday</u>			
Begin Time:	<u>3:00 PM</u>	End Time:	<u>4:30 PM</u>			
Weather:	<u>Fair</u>					

Summary Statistics		Speed	Number	Speed	Number		
Total Observed	<u>75</u>	16	0	36	2		
Speed Range	<u>20 - 47 MPH</u>	17	0	37	1		
50th percentile speed	<u>30 MPH</u>	18	0	38	1		
85th percentile speed	<u>33 MPH</u>	19	0	39	0		
10 mph pace speed	<u>25 - 34 MPH</u>	20	1	40	0		
% in pace speed	<u>88%</u>	21	0	41	0		
		22	0	42	0		
		23	0	43	0		
		24	0	44	0		
		25	5	45	0		
		26	6	46	0		
		27	7	47	1		
		28	10	48	0		
		29	8	49	0		
		30	12	50	0		
		31	5	51	0		
		32	5	52	0		
		33	7	53	0		
		34	1	54	0		
		35	3	55	0		
				TOTAL		75	

ANALYSIS INFORMATION					
Segment Length(mi):	<u>0.60</u>	ADT:	<u>1,085</u>	Count Date:	<u>8/13/13</u>
Number of Collisions:	<u>0</u>	Time Period:	<u>2</u> years		
Calc. Collision Rate =	<u>0.00</u> collisions per million vehicle-miles	State Average Rate:	<u>0.98 c/mvm</u>		
Street Width (ft):	<u>31</u>	Configuration:	<u>2</u> lanes	Terrain:	<u>Flat</u>
Parking Conditions:	<u>None</u>	Sidewalk:	<u>Both Sides</u>	Bike Lanes:	<u>None</u>

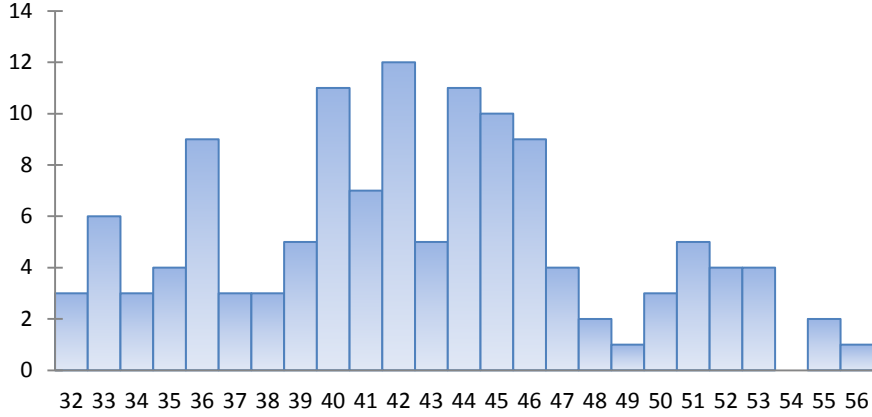
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 30 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature: <u><i>Jason DeGroot</i></u> <u>8/20/13</u>	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>WOODWARD AVENUE - Main St to Union Rd</u>	45 MPH	
Posted Limit:	<u>45 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>Jason DeGroot</u>
Date:	<u>5/30/2013</u>		Day: <u>Thursday</u>
Begin Time:	<u>10:45 AM</u>		End Time: <u>11:30 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>127</u>	21	0
Speed Range	<u>32 - 56 MPH</u>	22	0
50th percentile speed	<u>42 MPH</u>	23	0
85th percentile speed	<u>49 MPH</u>	24	0
10 mph pace speed	<u>38 - 47 MPH</u>	25	0
% in pace speed	<u>61%</u>	26	0
		27	0
		28	0
		29	0
		30	0
		31	0
		32	3
		33	6
		34	3
		35	4
		36	9
		37	3
		38	3
		39	5
		40	11
		41	7
		42	12
		43	5
		44	11
		45	10
		46	9
		47	4
		48	2
		49	1
		50	3
		51	5
		52	4
		53	4
		54	0
		55	2
		56	1
		57	0
		58	0
		59	0
		60	0
		TOTAL	127



ANALYSIS INFORMATION			
Segment Length(mi):	<u>1.00</u>	ADT:	<u>5,878</u>
Number of Collisions:	<u>1</u>	Count Date:	<u>8/13/13</u>
Calc. Collision Rate =	<u>0.23</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>41</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>None</u>	Configuration:	<u>2 - 3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>None</u>
		Bike Lanes:	<u>None</u>

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

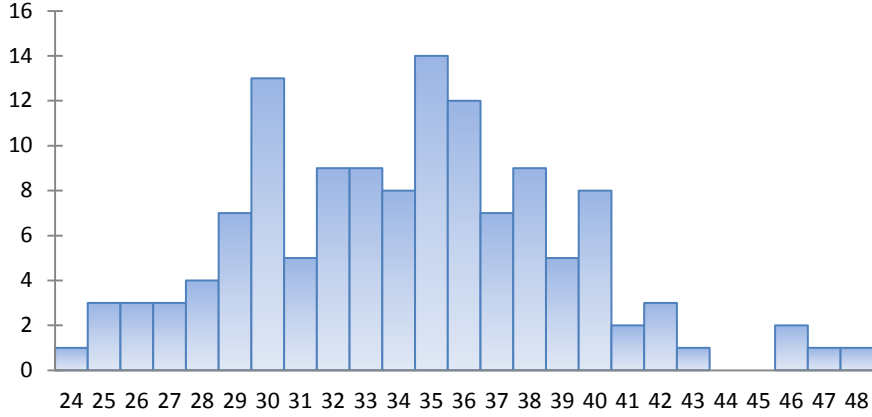
RECOMMENDATION	
On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 45 MPH is hereby determined to be reasonable and appropriate for the above street.	
Signature:	<u>Jason DeGroot 8/20/13</u>



**City of Manteca
2013 Engineering and Traffic Survey**



VEHICLE SPEED DATA		RECOMMENDED SPEED	
Location:	<u>WINTERS DRIVE - Yosemite Ave to Wawona St</u>	35 MPH	
Posted Limit:	<u>25 mph</u>		
Direction:	<u>Both</u>		Recorder: <u>Jason DeGroot</u>
Date:	<u>6/4/2013</u>		Day: <u>Tuesday</u>
Begin Time:	<u>9:20 AM</u>		End Time: <u>10:30 AM</u>
Weather:	<u>Fair</u>		

Summary Statistics		Speed Number	Speed Number
Total Observed	<u>130</u>	16	0
Speed Range	<u>24 - 48 MPH</u>	17	0
50th percentile speed	<u>34 MPH</u>	18	0
85th percentile speed	<u>39 MPH</u>	19	0
10 mph pace speed	<u>29 - 38 MPH</u>	20	0
% in pace speed	<u>72%</u>	21	0
		22	0
		23	0
		24	1
		25	3
		26	3
		27	3
		28	4
		29	7
		30	13
		31	5
		32	9
		33	9
		34	8
		35	14
		TOTAL	
			130



ANALYSIS INFORMATION			
Segment Length(mi):	<u>0.50</u>	ADT:	<u>4,108</u>
Number of Collisions:	<u>1</u>	Count Date:	<u>8/15/13</u>
Calc. Collision Rate =	<u>0.67</u> collisions per million vehicle-miles	Time Period:	<u>2</u> years
Street Width (ft):	<u>65</u>	State Average Rate:	<u>0.98 c/mvm</u>
Parking Conditions:	<u>Both Sides</u>	Configuration:	<u>2 - 3</u> lanes
		Terrain:	<u>Flat</u>
		Sidewalk:	<u>Both Sides</u>
		Bike Lanes:	<u>Both Sides</u>

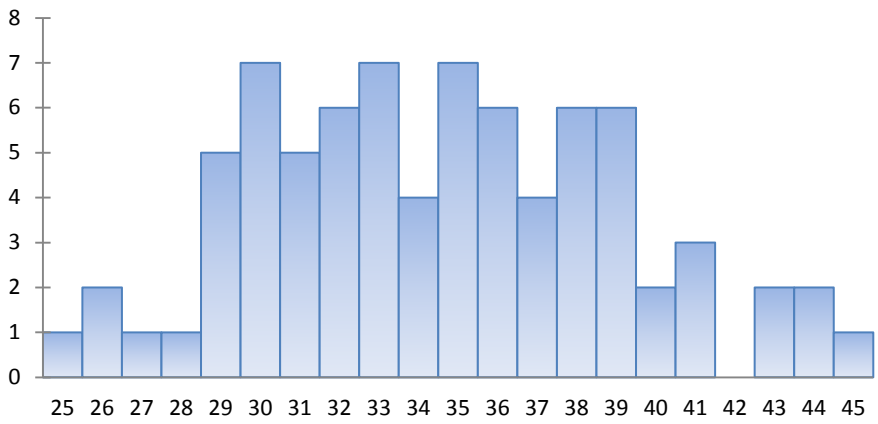
Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION	
<p>On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.</p>	
Signature:	
	

**City of Manteca
2013 Engineering and Traffic Survey**

VEHICLE SPEED DATA				RECOMMENDED SPEED	
Location:	S. WOODWARD AVENUE - W. Woodward Ave to Williamson Rd			35 MPH	
Posted Limit:	35 - 45 mph				
Direction:	Both	Recorder:	Jason DeGroot		
Date:	6/17/2013	Day:	Monday		
Begin Time:	9:20 AM	End Time:	11:20 AM		
Weather:	Fair				

Summary Statistics		Speed Number	Speed Number
Total Observed	78	21	0
Speed Range	25 - 45 MPH	22	0
50th percentile speed	34 MPH	23	0
85th percentile speed	39 MPH	24	0
10 mph pace speed	30 - 39 MPH	25	1
% in pace speed	74%	26	2
		27	1
		28	1
		29	5
		30	7
		31	5
		32	6
		33	7
		34	4
		35	7
		36	6
		37	4
		38	6
		39	6
		40	2
		41	3
		42	0
		43	2
		44	2
		45	1
		TOTAL	78



ANALYSIS INFORMATION

Segment Length(mi):	0.43	ADT:	1,423	Count Date:	8/14/13
Number of Collisions:	0	Time Period:	2 years		
Calc. Collision Rate =	0.00 collisions per million vehicle-miles	State Average Rate:	0.98 c/mvm		
Street Width (ft):	25	Configuration:	2 lanes	Terrain:	Flat
Parking Conditions:	None	Sidewalk:	None	Bike Lanes:	None

Other Considerations and Conditions not Readily Apparent: Per Section 21400 of the California Vehicle Code, the 85th percentile speed is being rounded down and no further reductions are allowed.

RECOMMENDATION

On the basis of an engineering and traffic investigation, as reported above, and in accordance with the provisions of Sections 627, 21400, 22357, 22358, and 40802 of the California Vehicle Code, a speed limit of 35 MPH is hereby determined to be reasonable and appropriate for the above street.

Signature: *Jason DeGroot* 8/20/13



