



# TOWN OF APPLE VALLEY TOWN COUNCIL STAFF REPORT

**To:** Honorable Mayor and Town Council **Date:** February 23, 2016

**From:** Brad Miller, Town Engineer **Item No:** 7  
Engineering

**Subject:** INTRODUCE ORDINANCE NO. 484, AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF APPLE VALLEY, CALIFORNIA, AMENDING CHAPTER 12.20, ENTITLED "SPECIAL SPEED LIMITS" OF TITLE 12 OF THE TOWN OF APPLE VALLEY MUNICIPAL CODE

**T.M. Approval:** \_\_\_\_\_ **Budgeted Item:**  Yes  No  N/A

## RECOMMENDED ACTION:

1. Move to waive the reading of Ordinance No. 484 in its entirety and read by title only (Requires a unanimous vote).
2. Move to Introduce No. 484, "An Ordinance of the Town Council of the Town of Apple Valley, California, amending Chapter 12.20, entitled "Special Speed Limits" of Title 12 of the Town of Apple Valley Municipal Code." (Requires a roll call vote).

## SUMMARY:

In order to enforce speed zones with radar, the California Vehicle Code (CVC) requires that speed zones be established by Traffic and Engineering Surveys. The Vehicle Code allows the local authorities the ability, based on these Traffic and Engineering Surveys, to determine the prima facie speed limits to "facilitate the orderly movement of vehicular traffic to that which is reasonable and safe". The proposed amendment will establish speed limits on four (4) new street segments and add them to the list of existing, established speed zones.

## BACKGROUND:

The Engineering and Traffic Surveys were completed on each of the four (4) listed street segments, and the proposed speed limits comply with the guidelines of the California Manual of Unified Traffic Control Devices (MUTCD) for the establishment of speed limits. Speed limits should be set preferably at or near the 85th percentile speed, which is defined as that speed at or below which 85 percent of the traffic is moving.

<u>Name of Street</u>	<u>Portion Affected</u>	<u>Declared Speed Limit (in miles per hour)</u>
Flathead Road	Tonawanda Rd. to Highway 18	45
Flathead Road	Highway 18 to Ramona Rd.	50
Navajo Road	Highway 18 to Pineridge Rd.	45
Mohawk Road	Tussing Ranch Rd. to Bear Valley Rd.	50

**FISCAL IMPACT:**

\$6,000.00 for the installation of twelve (12) new speed limit signs. This item is included in the Public Works sign installation and replacement budget for this fiscal year.

**ATTACHMENTS:**

1. Traffic and Engineering Survey (Flathead Road)
2. Traffic and Engineering Survey (Flathead Road)
3. Traffic and Engineering Survey (Navajo Road)
4. Traffic and Engineering Survey (Mohawk Road)
5. Ordinance No. 484

**TRAFFIC AND ENGINEERING SURVEY**  
**TOWN OF APPLE VALLEY ENGINEERING DEPARTMENT**

Street: FLATHEAD ROAD From: OUTER HWY 18 N TO: RAMONA ROAD  
 Engineer: RICHARD PEDERSEN Date: 2/23/16



Area Description		RADAR SPEED SURVEY														NO.	NO. X MPH	
Type of Street	Local	MPH																
Distance	0.6 MI	70	X														1	70
Vertical Alignment	FLAT	69																0
Parking Restrictions	NONE	68																0
Street Width	24 FT	67																0
No. of Lanes & Media	2 LANES	66																0
Improvements	NONE	65																0
Fronting Development	LOW DENSITY RESIDENTIAL	64																0
Average Daily Traffic	1834	63	X														1	63
Speed Check (Date & Loc.)	2/2/2016 - 850' SOUTH OF RAMONA	62	X														1	62
Average Speed	46.5 MPH	61	X														1	61
85 % Percentile	52 MPH	60																0
10 Mile Pace	44-53 MPH	59																0
Collision Data		58																0
Total Midblock Collisions	3 SINCE 1/8/2011	57	X														1	57
No. with Speed Violations	0	56	X	X	X												3	168
Predominate Type	UNSAFE STARTING OR BACKING, AUTO	55	X														1	55
HBD, Drunk, H&R	R/W VIOLATION, OTHER IMPROPER	54	X														1	54
Collision Rate	DRIVING	53	X	X	X	X											4	212
Background Remarks and Recommendations		52	X	X	X	X	X	X									7	364
		51	X	X	X												3	153
		50	X	X													2	100
		49	X	X	X	X	X	X	X								8	392
		48	X	X	X	X	X	X									7	336
		47	X	X	X	X	X	X	X	X							10	470
		46	X	X	X	X	X										6	276
		45	X	X	X	X											4	180
		44	X	X	X	X	X	X	X	X							9	396
		43	X	X	X	X											4	172
		42	X	X	X												3	126
		41	X	X	X	X	X										6	246
		40	X	X													2	80
		39	X	X	X												3	117
		38	X	X	X												3	114
		37	X	X	X	X											4	148
		36	X	X													2	72
	35	X	X													2	70	
	34																0	
	33																0	
	32																0	
	31	X														1	31	
	30																0	
Existing Speed Zone	NONE	29															0	
Proposed Speed Zone	50 MPH	TOTAL														100	4645	

I, LAVONDA PEARSON, Town Clerk of the Town of Apple Valley, hereby certify that the above Traffic and Engineering Study was approved and adopted by Ordinance by the Town Council.

\_\_\_\_\_  
 LaVonda Pearson, Town Clerk

\_\_\_\_\_  
 Date

Traffic and Engineering  
 Survey prepared by:

\_\_\_\_\_  
 Richard H. Pedersen, P.E.

Apple Valley Engineering Department

**TRAFFIC AND ENGINEERING SURVEY**  
**TOWN OF APPLE VALLEY ENGINEERING DEPARTMENT**

Street: FLATHEAD ROAD From: TONAWANDA ROAD TO: HIGHWAY 18  
 Engineer: RICHARD PEDERSEN Date: 2/23/16



Area Description		RADAR SPEED SURVEY												NO.	NO. X MPH		
Type of Street	LOCAL	MPH	5	10	15	20											
Distance	0.53 MILE	60	X													1	60
Vertical Alignment	VARIABLES 5%	59															0
Parking Restrictions	NONE	58															0
Street Width	24'	57															0
No. of Lanes & Media	1 LANE EACH DIRECTION	56															0
Improvements	NONE	55															0
Fronting Development	RESIDENTIAL	54	X													1	54
Average Daily Traffic	2460 ADT	53	X	X	X											3	159
Speed Check (Date & Loc.)	04/07/15 / NEAR 14300 FLATHEAD	52	X													1	52
Average Speed	44.1 MPH	51	X	X	X	X	X	X								6	306
85 % Percentile	50 MPH	50	X	X	X	X	X	X								7	350
10 Mile Pace	41 - 50 MPH	49	X	X	X											4	196
Collision Data	01/01/2013 - 12/31/14	48	X	X	X	X	X	X	X	X	X	X				11	528
Total Midblock Collisions	0	47	X	X	X											3	141
No. with Speed Violations	0	46	X	X	X	X	X									6	276
Predominate Type		45	X	X	X											4	180
HBD, Drunk, H&R		44	X	X	X											3	132
Collision Rate		43	X	X	X	X	X	X								8	344
Background Remarks and Recommendations		42	X	X	X	X	X	X	X	X						8	336
Existing Speed Zone	NONE	41	X	X	X	X	X	X	X							9	369
Proposed Speed Zone	45 MPH	40	X	X	X	X										4	160
		39	X	X												2	78
		38	X	X	X	X	X	X								7	266
		37	X	X	X											4	148
		36	X	X	X											3	108
		35	X	X	X											3	105
		34														0	0
		33	X													1	33
		32														0	0
		31	X													1	31
		30															0
		TOTAL												100	4412		

I, LAVONDA PEARSON, Town Clerk of the Town of Apple Valley, hereby certify that the above Traffic and Engineering Study was approved and adopted by Ordinance by the Town Council.

\_\_\_\_\_  
 LaVonda Pearson, Town Clerk  
 \_\_\_\_\_  
 Date

Traffic and Engineering  
 Survey prepared by:  
 \_\_\_\_\_  
 Richard H. Pedersen, P.E.

Apple Valley Engineering Department



**TRAFFIC AND ENGINEERING SURVEY**  
**TOWN OF APPLE VALLEY ENGINEERING DEPARTMENT**

Street: MOHAWK RD From: TUSSING RANCH RD TO: BEAR VALLEY RD  
 Engineer: RICHARD PEDERSEN Date: 2/23/16



Area Description		RADAR SPEED SURVEY											NO.	NO. X MPH	
Type of Street	LOCAL	MPH	5	10	15	20									
Distance	1 MILE	59													
Vertical Alignment	FLAT	58	X											1	58
Parking Restrictions	NONE	57	X	X	X	X								4	228
Street Width	23	56	X											1	56
No. of Lanes & Media	2 ONE IN EACH DIRECTION	55	X											1	55
Improvements	NONE	54	X											1	54
Fronting Development	RESIDENTIAL	53	X	X										2	106
		52	X	X	X	X								5	260
Average Daily Traffic	3003 SOUTH OF BEAR VALLEY RD	51	X	X	X	X								5	255
		50	X	X	X	X	X	X						7	350
Speed Check (Date & Loc.)		49	X	X	X									3	147
Average Speed	45.9 MPH	48	X	X	X	X	X	X						8	384
85 % Percentile	52 MPH	47	X	X	X									4	188
10 Mile Pace	41-50 MPH	46	X	X	X	X	X	X						8	368
		45	X	X	X									4	180
Collision Data		44	X	X	X	X	X	X	X					9	396
Total Midblock Collisions	2	43	X	X	X	X	X	X						9	387
No. with Speed Violations	NONE	42	X	X	X	X	X	X						7	294
		41	X	X	X	X	X	X						9	369
Predominate Type		40	X	X										2	80
HBD, Drunk, H&R	INATTENTION	39	X	X										2	78
Collision Rate		38	X	X										2	76
		37	X	X	X									3	111
		36	X	X	X									3	108
Background Remarks and Recommendations		35													0
		34													0
		33													0
		32													0
		31													0
		30													0
Existing Speed Zone	NONE	29													0
Proposed Speed Zone	50	TOTAL											100	4588	

I, LAVONDA PEARSON, Town Clerk of the Town of Apple Valley, hereby certify that the above Traffic and Engineering Study was approved and adopted by Ordinance by the Town Council.

\_\_\_\_\_  
 LaVonda Pearson, Town Clerk Date

Traffic and Engineering  
 Survey prepared by:  
 \_\_\_\_\_  
 Richard H. Pedersen, P.E.

Apple Valley Engineering Department



**ORDINANCE NO. 484**

**AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF APPLE VALLEY, CALIFORNIA, AMENDING CHAPTER 12.20, ENTITLED "SPECIAL SPEED LIMITS" OF TITLE 12 OF THE TOWN OF APPLE VALLEY MUNICIPAL CODE**

The Town Council of the Town of Apple Valley does ordain as follows:

Section 1. Chapter 12.20 entitled "SPECIAL SPEED LIMITS" of Title 12 of the Town of Apple Valley Municipal Code is hereby amended to read as follows:

"Chapter 12.20  
SPECIAL SPEED LIMITS

12.20.010 Basis Of Change Or Determination..... The prima facie speed limit declared for each street or portion thereof designated in section 12.20.020 is a speed limit which is either an increase from the prima facie speed limit or a decrease from the maximum speed limit otherwise applicable to such street or portion thereof pursuant to Chapter 7 of Division 11 of the Vehicle Code of the State (commencing at section 22348 thereof). The increase or decrease has been determined upon the basis of an engineering and traffic survey. For each street or portion thereof upon which an increase in the prima facie speed limit (otherwise applicable) has been declared, a determination has been made that the increased declared prima facie speed limit is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe. For each street or portion thereof upon which a decrease from the maximum speed limit (otherwise applicable) has been made and a lower speed limit declared as the prima facie speed limit, a determination has been made that the maximum speed limit (otherwise applicable) is more than is reasonable or safe, and that the declared prima facie speed limit is most appropriate to facilitate the orderly movement of traffic and is reasonable and safe.

12.20.020 Changes In State Law Speed Limits..... The prima facie speed limit declared in this section for each street or portion of a street designated shall be effective from and after the posting of appropriate signs giving notice thereof. The names of the streets upon which special prima facie speed limits are hereby declared, the portion of such streets affected by the declaration, and the declared prima facie speed limits therefor is as follows:

<u>Name of Street</u>	<u>Portion Affected</u>	<u>Declared Prima Facie Speed Limit (in miles per hour)</u>
Algonquin Road	From Bear Valley Road to Sitting Bull Road	35
Apple Valley Road	From Bear Valley Road to Town Center Drive	50
Apple Valley Road	From Bear Valley Road to Pimlico Road	50
Apple Valley Road	From Pimlico Road to Yucca Loma Road	55
Apple Valley Road	From Yucca Loma Road To State Hwy 18	55
Apple Valley Road	From Town Center Drive To Arroyo Mesa Lane	45
Bear Valley Road	From the Western Town Limits to the Lowe's Entrance Signal	50
Bear Valley Road	From the Lowe's Entrance Signal to Kiowa Road	55
Bear Valley Road	From Kiowa Road To Navajo Road	55
Bear Valley Road	From Navajo Road To Eastern Town Limits	55
Central Road	From Bear Valley Road to Highway 18	55
Dale Evans Pkwy	From Highway 18 to Thunderbird Road	45
Del Oro Road	From Apple Valley Road to Deep Creek Road	45
Flathead Road	Tonawanda Road to Highway 18	45



Flathead Road	Highway 18 to Ramona Road	50
Iroquois Road	From Pah-Ute Road to Rancherias Road	35
Jess Ranch Parkway	From Town Center Drive to Bear Valley Road	35
Kamana Road	From Apple Valley Road to Tao Road	45
Kiowa Road	From Bear Valley Road to State Highway 18	45
Kiowa Road	From Highway 18 to Navajo Road	45
Kiowa Road	From Bear Valley Road to Tussing Ranch Road	50
Mohawk Road	Tussing Ranch Road to Bear Valley Road	50
Mondamon Road	From Highway 18 to Apple Valley Road	45
Navajo Road	From State Highway 18 to Ottawa Road	40
Navajo Road	From Bear Valley Road to Ottawa Road	50
Navajo Road	From State Highway 18 to 300'- North of Pineridge Road	45
Navajo Road	300'- North of Pineridge Road to Thunderbird Road	50
Otoe Road	From Rancherias Road to Dale Evans Parkway	50
Ottawa Road	From Rincon Road to Kiowa Road	40

Ottawa Road	From Kiowa Road to Navajo Road	45
Powhatan Road	From Navajo Road to Central Road	45
Ramona Road	From Navajo Road to Central Road	45
Rancherias Road	From Highway 18 to Tomahawk Road	45
Rancherias Road	From Tomahawk Road to Erie Road	35
Rancherias Road	From Erie Road to Yucca Loma Road	45
Rimrock Road East	From Highway 18 to Rancherias Road	45
Rincon Road	From Sitting Bull Road to Rancherias Road	45
Riverside Drive	From Sahale Lane to Branding Iron Road	40
Seneca Road	From Apple Valley Road to Rancherias Road	45
Shoshonee Road	From Apple Valley Road to Seminole Road	45
Sitting Bull Road	From Apple Valley Road to Valley View Court	45
Sitting Bull Road	From Valley View Court to Kiowa Road	45
Sitting Bull Road	From Kiowa Road to Navajo Road	45
South Road	From Central Road to Mesquite Road	50

Standing Rock Ave	From Outer Highway 18 to Navajo Road	50
Thunderbird Road	From Dale Evans Parkway to Navajo Road	50
Thunderbird Road	From Rancherias Road to Dale Evans Parkway	45
Tomahawk Road	From Rancherias Road to Mandan Road	45
Tuscola Road	From Apple Valley Road to Nokomis Road	45
Yucca Loma Road	From Apple Valley Road to Kiowa Road	45
Yucca Loma Road	From Kiowa Road to Navajo Road	45
Zuni Road	From Rancherias Road to Dale Evans Pkwy	45
Spring Valley Lake Equestrian Area	For the area bound by: North of Bear Valley Road, east of West Town limits, south of Ottawa Road, west of Apple Valley Road	35
Area north of Bear Valley at Multnomah Road	For the area of: Multnomah Road, Caddo Road and Klamath Road	30
Area south of Bear Valley Road at Laguna Road	For the area of: Bear Valley Road on the north, Kiowa Road on the West, Sandia Road on the south, and Mohawk Road on the east”	35

Section 2. Effective Date. This ordinance shall become effective thirty days from and after its adoption.

Section 3. Notice of Adoption. The Town Clerk of the Town of Apple Valley shall certify to the adoption of this ordinance and shall cause publication to occur in a newspaper of general circulation and published and circulated in the Town in a manner permitted under section 36933 of the Government Code.

**APPROVED** and **ADOPTED** by the Town Council and signed by the Mayor and attested to by the Town Clerk this 8<sup>th</sup> day of March, 2016.

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Barb Stanton, Mayor

**ATTEST:**

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La Vonda M-Pearson, Town Clerk

**APPROVED AS TO FORM:**

**APPROVED AS TO CONTENT:**

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John Brown, Town Attorney

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Frank Robinson, Town Manager