

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

902



FROM: TLMA-Transportation Department

SUBMITTAL DATE:
November 21, 2013

SUBJECT: Ordinance No. 452.235 to Establish Speed Zones Enforceable by Radar Speed Detection Equipment - Hemet, Indio, Lake Mathews, Moreno Valley, Nuevo, Temecula, Thermal, and Woodcrest Areas, 1st/1st, 1st/5th, 3rd/3rd, 4th/4th, and 5th/5th Districts. [\$6,400]; Local Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors introduce and adopt, on successive meetings, Ordinance No. 452.235, amending Ordinance No. 452 relating to prima facie speed limits to establish various speed zones in the above-referenced areas of Riverside County.

BACKGROUND:

Summary

Transportation Department staff has conducted Engineering and Traffic Surveys (E&TS) in accordance with the California Vehicle Code (CVC), Sections 627 and 40802, for various county-maintained roads in Hemet, Indio, Lake Mathews, Moreno Valley, Nuevo, Temecula, Thermal, and Woodcrest areas of Riverside County.

Patricia Romo
Assistant Director of Transportation

Patricia Romo

Juan C. Perez, Director
Transportation Land Management Agency

LTT: sa

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
COST	\$ 6,400	\$ 0	\$ 0	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: Gas Tax (100%)
There are no General Funds used in this project.

Budget Adjustment: No
For Fiscal Year: 2013/2014

C.E.O. RECOMMENDATION:

APPROVE

Tina Grande

County Executive Office Signature

Tina Grande

MINUTES OF THE BOARD OF SUPERVISORS

FORM APPROVED COUNTY COUNSEL
12/31/13
TIPPIE N. NORTH

Departmental Concurrence

- Positions Added
- Change Order

- A-30
- 4/5 Vote

Prev. Agn. Ref.:

District: 1/1, 1/5,
3/3, 4/4, and 5/5

Agenda Number:

3 - 17

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

FORM 11: Ordinance No. 452.235 to Establish Speed Zones Enforceable by Radar Speed Detection Equipment - Hemet, Indio, Lake Mathews, Moreno Valley, Nuevo, Temecula, Thermal, and Woodcrest Areas, 1st/1st, 1st/5th, 3rd/3rd, 4th/4th, and 5th/5th Districts. [\$6,400]; Local Funds 100%

DATE: November 21, 2013

PAGE: 2 of 2

BACKGROUND:

Summary (continued)

Based upon the results of the E&TS for these roads, the radar-enforceable speed limits recommended by the Transportation Department are summarized in the attached tables and have been determined to be appropriate to facilitate the safe and orderly movement of vehicular traffic.

Transportation Department staff has contacted the Riverside, Temecula, San Geronio, and Indio area offices of the California Highway Patrol regarding the recommended speed zones.

The Ordinance amendment has been reviewed and approved by County Counsel as to form.

Impact on Residents and Businesses

The establishing and posting of appropriate speed limits promote safe and orderly movements of vehicular traffic and enable the California Highway Patrol to use radar equipment to enforce the speed limits. Since the recommended speed limits were determined based on actual speed surveys, the majority of the motorists are already driving at or below the recommended speed limits. Posted speed limits also give motorists an idea of a reasonable speed to drive in unfamiliar locations.

SUPPLEMENTAL

Additional Fiscal Information

The cost for establishing the recommended speed limits is mainly due to the installation of speed limit signs, which is estimated at about \$6,400.

Contract History and Price Reasonableness

N/A

1 Section 4. Section 2.5 of Ordinance No. 452, entitled “Forty-Five miles per hour,” is
2 hereby amended to add new subsections 158, 159, 160, and 161 to read as follows:

3 “158. On Box Springs Mountain Road between a point 1,300 feet west of
4 Running Gun Lane and Pigeon Pass Road, a total distance of
5 approximately 0.5 miles, in the Moreno Valley area.

6 159. On McAllister Street between El Sobrante Road and a point 400
7 feet south of Sierra Heights Drive, a total distance of
8 approximately 1.5 miles, in the Lake Mathews area.

9 160. On Monte De Oro Road between Rancho California Road and
10 Aranda Street, a total distance of approximately 1.5 miles, in the
11 Temecula area.

12 161. On San Jacinto Avenue between Pico Avenue and Meniffee Road, a
13 total distance of approximately 0.5 miles, in the Nuevo area.”

14 Section 5. Section 2.6 of Ordinance 452, entitled “Fifty miles per hour,” is hereby
15 amended to add new subsections 72, 73 and 74 to read as follows:

16 “72. On Contour Avenue between Citrus Street and Juniper Flats Road,
17 a total distance of approximately 0.78 miles, in the Nuevo area.

18 73. On the full width of Pigeon Pass Road between Box Springs
19 Mountain Road and a point 1,300 feet north of Hidden Springs
20 Drive; and on the westerly half between a point 1,300 feet north of
21 Hidden Springs Drive and Hidden Springs Drive, a total distance
22 of approximately 0.9 miles, in the Moreno Valley area.”

23 74. On the full width of Van Buren Boulevard between King Avenue
24 and Gamble Avenue and the northerly half of Van Buren
25 Boulevard between Gamble Avenue and Dauchy Avenue, a total
26 distance of 1.8 miles, in the Woodcrest area. ”

27 Section 6. Subsection 2 of Section 2.7 of Ordinance 452, entitled “Fifty-five miles per
28 hour,” is hereby amended to read as follows:

1 “27. On Van Buren Boulevard between a point 1,500 feet west of Barton Road
2 to a point 338 feet of the centerline of I-215, a total distance of
3 approximately 7.01 miles; and between the Riverside city limits (a point
4 530 feet west of Pine Court) and King Avenue, a total distance of
5 approximately 2.7 miles, in the Woodcrest area.”

6 Section 7. Section 3.4 of Ordinance No. 452, entitled “Fifteen miles per hour,” is
7 hereby amended to add new subsection 1 to read as follows:

8 “1. On the dirt segment of Box Springs Mountain Road between a point 1,300
9 feet west of Running Gun Lane to a point 4,468 feet west of Running Gun
10 Lane, a total distance of approximately 0.6 miles, in the Moreno Valley
11 area.”

12 Section 8. Section 3.6 of Ordinance No. 452, entitled “Twenty-five miles per hour,” is
13 hereby amended to add new subsection 2 to read as follows:

14 “2. On the dirt segment of Olivas Avenue between a point 320 feet north of
15 Cobblestone Street and Central Avenue, a total distance of 0.16 miles, in the
16 Nuevo area.”

17 Section 9. Subsection 14 of Section 2.3 of Ordinance No. 452 is hereby repealed in its
18 entirety. Subsection 14 of Section 2.3 established a thirty-five miles per hour speed limit on Mayberry
19 Avenue between San Jacinto Street and Lake Street pursuant to Ordinance No. 452.214 adopted by the
20 Board on February 4, 2003.

21 Section 10. Subsection 86 of Section 2.3 of Ordinance No. 452 is hereby repealed in its
22 entirety. Subsection 86 of Section 2.3 established a thirty-five miles per hour speed limit on the easterly
23 half of Van Buren Street between 48th Avenue and Manilla Avenue pursuant to Ordinance No. 452.222
24 adopted by the Board on April 18, 2006.

25 Section 11. Subsection 17 of Section 2.6 of Ordinance No. 452 is hereby repealed in its
26 entirety. Subsection 17 of Section 2.6 established a fifty miles per hour speed limit on Van Buren
27 Boulevard between the centerline of Washington Street and the centerline of Wood Road pursuant to
28

1 Ordinance No. 452.214 adopted by the Board on February 4, 2003.

2 Section 12. Subsection 18 of Section 2.7 of Ordinance No. 452 is hereby repealed in its
3 entirety. Subsection 18 of Section 2.7 established a fifty-five miles per hour speed limit on McAllister
4 Street between the centerline of El Sobrante Road and the centerline of Orangehaven Lane pursuant to
5 Ordinance No. 452.225 adopted by the Board on June 2, 2009.

6
7 Section 13. This ordinance shall take effect 30 days after its adoption.

8 BOARD OF SUPERVISORS OF THE COUNTY
9 OF RIVERSIDE, STATE OF CALIFORNIA

10
11 BY: _____
12 Chairman

13 ATTEST:
14 KECIA HARPER-IHEM, Clerk of the Board

15
16 By: _____
17 Deputy

18 APPROVED AS TO FORM:
19 PAMELA J. WALLS, County Counsel

20
21 By: Karin Watts Bazin
22 Deputy

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24
25
26
27
28

ATTACHMENTS TO
FORM 11 RE: AMENDING ORDINANCE 452.235
SUBMITTAL DATE: 12/24/2013

**LIST OF SPEED ZONE SUBMITTALS
ORDINANCE AMENDMENT NO 452.235
SUPERVISORIAL DISTRICT NO. 1**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
MORENO VALLEY	BOX SPRINGS MOUNTAIN ROAD Between a point 1,300' west of Running Gun Lane and Pigeon Pass Road	Not Posted*	45	NEW
MORENO VALLEY	BOX SPRINGS MOUNTAIN ROAD On the dirt segment of Box Springs Mountain Road between a point 1,300 feet west of Running Gun Lane to a point 4,468 feet west of Running Gun Lane	Not Posted	15	NEW
LAKE MATHEWS	MC ALLISTER STREET Between El Sobrante Road and a point 400 feet south of Sierra Heights Drive	55	45	SPEED LIMIT CHANGE
MORENO VALLEY	PIGEON PASS ROAD On the full width of Pigeon Pass Road between Box Springs Mountain Road and a point 1,300 feet north of Hidden Springs Drive, and on the westerly half between a point 1,300 feet north of Hidden Springs Drive and Hidden Springs Drive	Not Posted*	50	NEW
WOODCREST	VAN BUREN BOULEVARD On the full width of Van Buren Boulevard between King Avenue and Gamble Avenue and the northerly half of Van Buren Boulevard between Gamble Avenue and Dauchy Avenue	50***	50	BOUNDARY CHANGE
WOODCREST	VAN BUREN BOULEVARD Between a point 1,500 feet west of Barton Road to a point 338 feet of the centerline of I-215 and between the city limits (west of Pine Court) of Riverside and King Avenue	55***	55	BOUNDARY CHANGE

* Maximum allowable speed limit for a two-lane highway is 55 mph
 **Maximum allowable speed limit for a multi-lane highway is 65 mph
 *** Change in speed zone boundary

**LIST OF SPEED ZONE SUBMITTALS
ORDINANCE AMENDMENT NO 452.235
SUPERVISORIAL DISTRICT NO. 3**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
HEMET	MAYBERRY AVENUE Between Cornell Street and Lake Street	35***	35	BOUNDARY CHANGE
HEMET	MAYBERRY AVENUE Between San Jacinto Street and Cornell Street	35***	30	SPEED LIMIT CHANGE
TEMECULA	MONTE DE ORO ROAD Between Rancho California Road and Aranda Street	Not Posted*	45	NEW

* Maximum allowable speed limit for a two-lane highway is 55 mph
 **Maximum allowable speed limit for a multi-lane highway is 65 mph
 ***Change in speed zone boundary

**LIST OF SPEED ZONE SUBMITTALS
ORDINANCE AMENDMENT NO 452.235
SUPERVISORIAL DISTRICT NO. 4**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
THERMAL	CHURCH STREET Between Polk Street and Grapefruit Boulevard	Not Posted*	35	NEW
INDIO	VAN BUREN STREET On the easterly half of Van Buren Street between 48 th Avenue and Manilla Avenue	35	40	SPEED LIMIT CHANGE ¹

Note 1: Per request by the City of Indio.

- * Maximum allowable speed limit for a two-lane highway is 55 mph
- **Maximum allowable speed limit for a multi-lane highway is 65 mph
- ***Change in speed zone boundary

**LIST OF SPEED ZONE SUBMITTALS
ORDINANCE AMENDMENT NO 452.235
SUPERVISORIAL DISTRICT NO. 5**





AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
NUEVO	BELL AVENUE Between 1 th Street and Wolfskill Avenue	Not Posted*	35	NEW
NUEVO	CONTOUR AVENUE Between Citrus Street and Juniper Flats Road	Not Posted*	50	NEW
NUEVO	OLIVAS AVENUE Between Central Avenue and Nuevo Road	Not Posted*	30	NEW
NUEVO	OLIVAS AVENUE Between San Jacinto Avenue and a point 320' north of Cobblestone Street	Not Posted*	30	NEW
NUEVO	OLIVAS AVENUE On the dirt segment of Olivas Avenue between a point 320 feet north of Cobblestone Street and Central Avenue	Not Posted	25	NEW
MORENO VALLEY	PIGEON PASS ROAD On the full width of Pigeon Pass Road between Box Springs Mountain Road and a point 1,300 feet north of Hidden Springs Drive, and on the westerly half between a point 1,300 feet north of Hidden Springs Drive and Hidden Springs Drive	Not Posted*	50	NEW
NUEVO	SAN JACINTO AVENUE Between Pico Avenue and Menifee Road	Not Posted**	45	NEW

* Maximum allowable speed limit for a two-lane highway is 55 mph

**Maximum allowable speed limit for a multi-lane highway is 65 mph

***Change in speed zone boundary

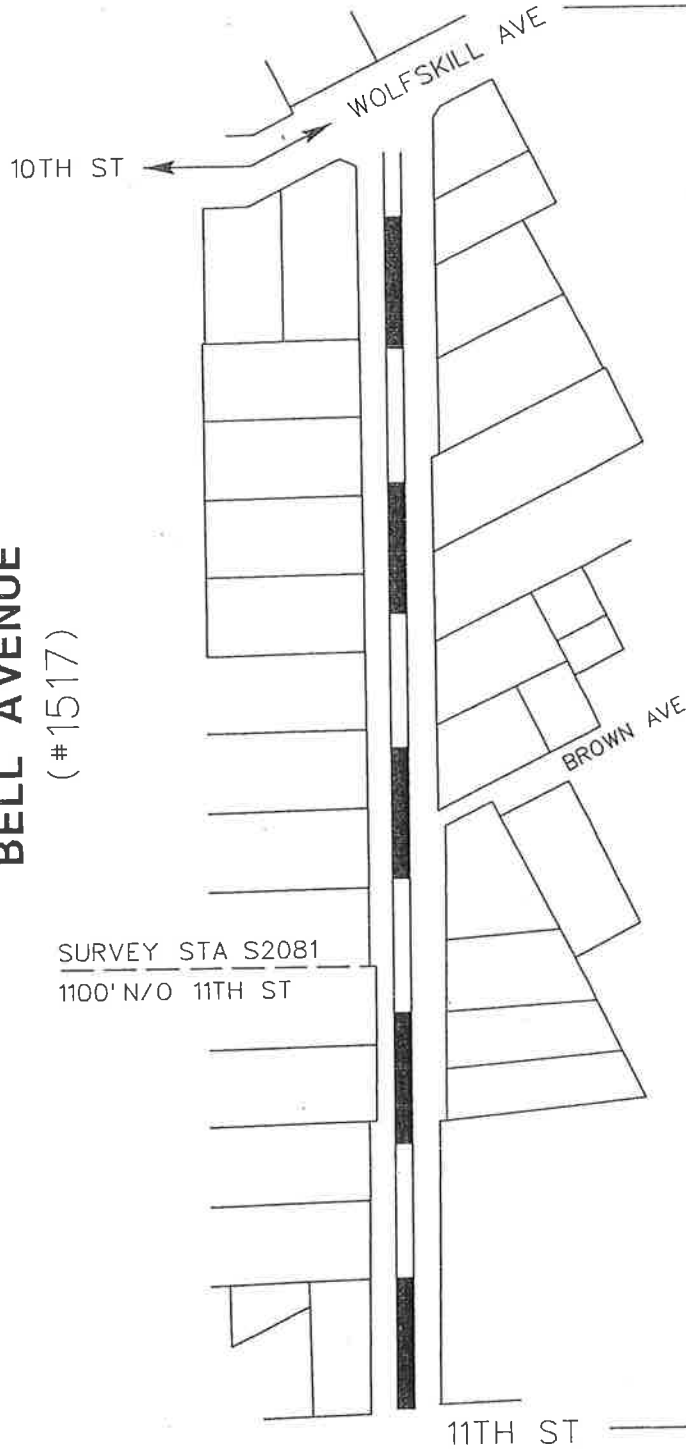
LEGEND:

-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD

BELL AVENUE

(#1517)

SURVEY STA S2081
1100' N/O 11TH ST



BEGIN ZONE

END ZONE

NO SCALE





RECOMMENDED SPEED LIMIT	35 MPH
85th%TILE SPEED	33.0 MPH
VEHICLES IN 24 HR (2 WAY)	410
SEGMENT LENGTH	0.5 MI
ALL ACCIDENTS IN 2 YRS.	2
ACCIDENT RATE ☆	13.4 ACC/MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE • $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

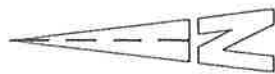
COUNTY AREA:	NUEVO	SURVEY DATE:	SEP 10, 2013
COUNTY MAP:	96	MAP DATE:	SEP 19, 2013
SUPERVISOR DISTRICT:	5/5	DRAWN BY:	N AHMAD
		CAD FILE:	BELL_AVE.DGN

APPROVED BY: 
 DATE: 9/27/2013
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

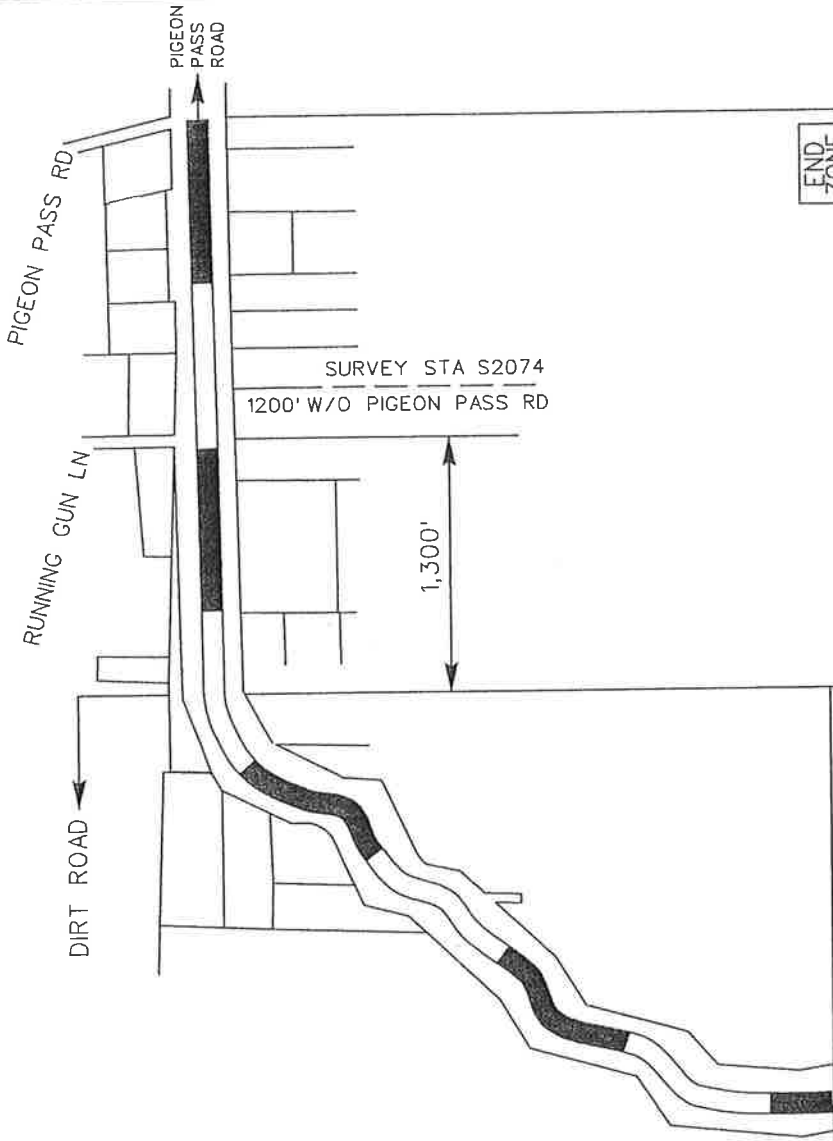
LEGEND:

-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD

BOX SPRINGS MOUNTAIN ROAD (#1520)



NO SCALE



* PRIMA FACIE 15 MPH PER CVC 22.365	DIRT ROAD	45 MPH	
RECOMMENDED SPEED LIMIT	* 15 MPH	48.0 MPH	
85th%TILE SPEED		425	
VEHICLES IN 24 HR (2 WAY)		0.5 MILE	
SEGMENT LENGTH	0.6 MILE		
ALL ACCIDENTS IN 2 YRS.	1		
ACCIDENT RATE ☆		0.00 ACC/MVM	
EXISTING SPEED LIMIT	NOT POSTED		NOT POSTED

☆ RATE: $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

APPROVED BY:

Lawrence T. Tai, P.E.
DATE: 10/9/2013

LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER



COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING DIVISION

ENGINEERING AND TRAFFIC SURVEY
AT






BOX SPRINGS MTN ROAD

PAGE
1 OF 1

SURVEY DATE:	AUG 15, 2013
MAP DATE:	OCT 3, 2013
DRAWN BY:	N AHMAD
CAD FILE:	BOX_SPRINGS.DGN

COUNTY AREA:	MORENO VALLEY
COUNTY MAP:	45
SUPERVISOR DISTRICT:	1

LEGEND:

-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD
-  SCHOOL

CHURCH STREET (#1515)

SURVEY STA S2103
700' E/O POLK ST

OLIVE ST

JOHN KELLEY
ELEM ELEMENTRY

DATE ST

MARKET ST

GRAPEFRUIT BLVD

ALT
EDUCATION

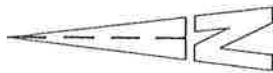
COACHELLA
UNIFIED
SCHOOL
DISTRICT

LA FAMILA
HIGH

SURVEY STA S2104
700' E/O OLIVE ST

BEGIN
ZONE

END
ZONE



NO SCALE

RECOMMENDED SPEED LIMIT	35 MPH
85th%TILE SPEED	36.5 MPH (AVERAGE OF TWO SIMILAR SEGMENTS OF 34.0 & 39.0 MPH)
VEHICLES IN 24 HR (2 WAY)	1,080
SEGMENT LENGTH	0.51 MILE
ALL ACCIDENTS IN 2 YRS.	1
ACCIDENT RATE ☆	2.49 ACC/MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE: NO. OF ACCIDENT x 1000.000
VEH x 365 x 2 x MILE

APPROVED BY:

Lawrence T. Tai
DATE: 9/30/2013

LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

SURVEY DATE:	SEP 17, 2013
MAP DATE:	SEP 26, 2013
DRAWN BY:	N AHMAD
CAD FILE:	CHURCH_ST.DGN

COUNTY AREA:	THERMAL
COUNTY MAP:	223-A
SUPERVISOR DISTRICT:	4/4





COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING DIVISION

ENGINEERING AND TRAFFIC SURVEY
AT

CHURCH STREET

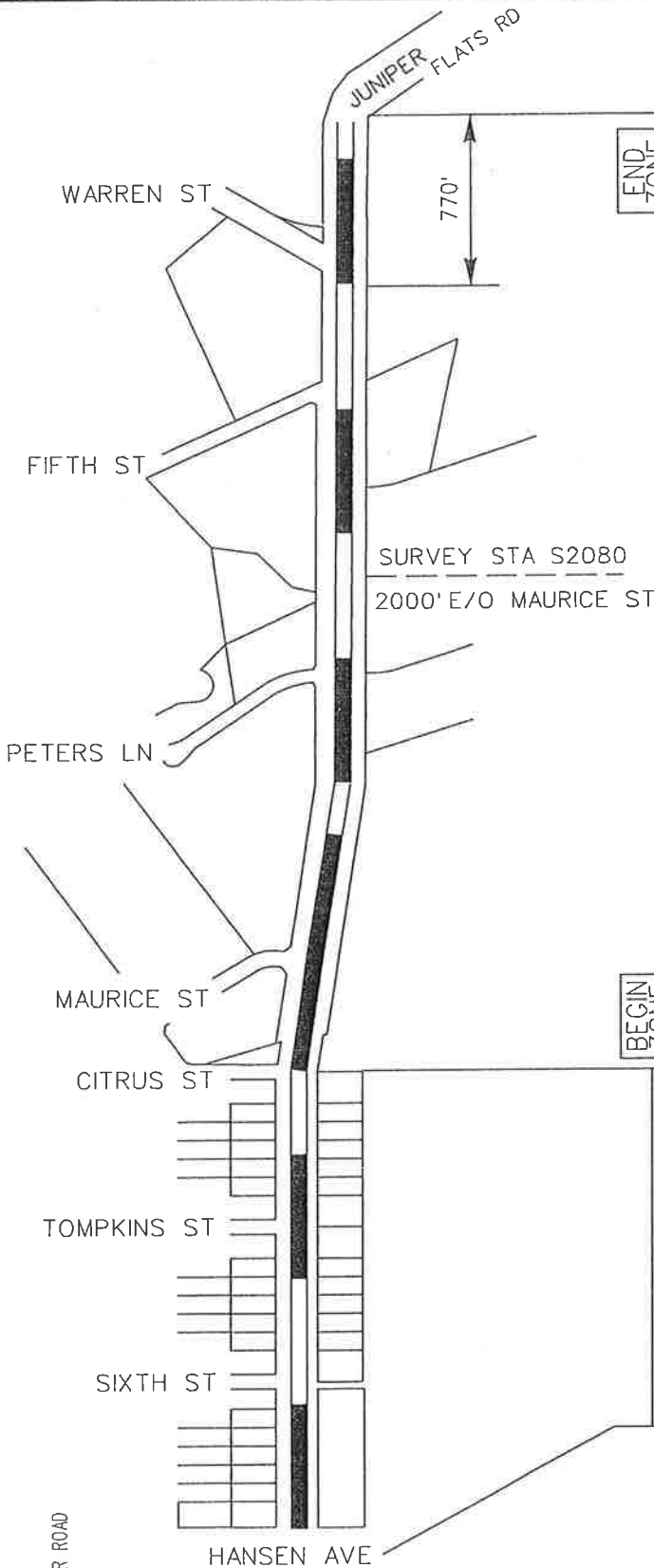


LEGEND:

-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD

CONTOUR AVENUE

(#1516)



RESIDENCE DISTRICT	
* PRIMA FACIE 25 MPH PER CVC SECTION 515	
RECOMMENDED SPEED LIMIT	* 25 MPH
85th% TILE SPEED	50 MPH
VEHICLES IN 24 HR (2 WAY)	49.0 MPH
SEGMENT LENGTH	1,855
ALL ACCIDENTS IN 2 YRS.	0.78 MI
ACCIDENT RATE ☆	1
EXISTING SPEED LIMIT	0.95 ACC/MVM
	NOT POSTED

BEGIN ZONE

END ZONE

☆ RATE = $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

APPROVED BY: *Lawrence T. Tai*
 DATE: 9/30/2013
LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

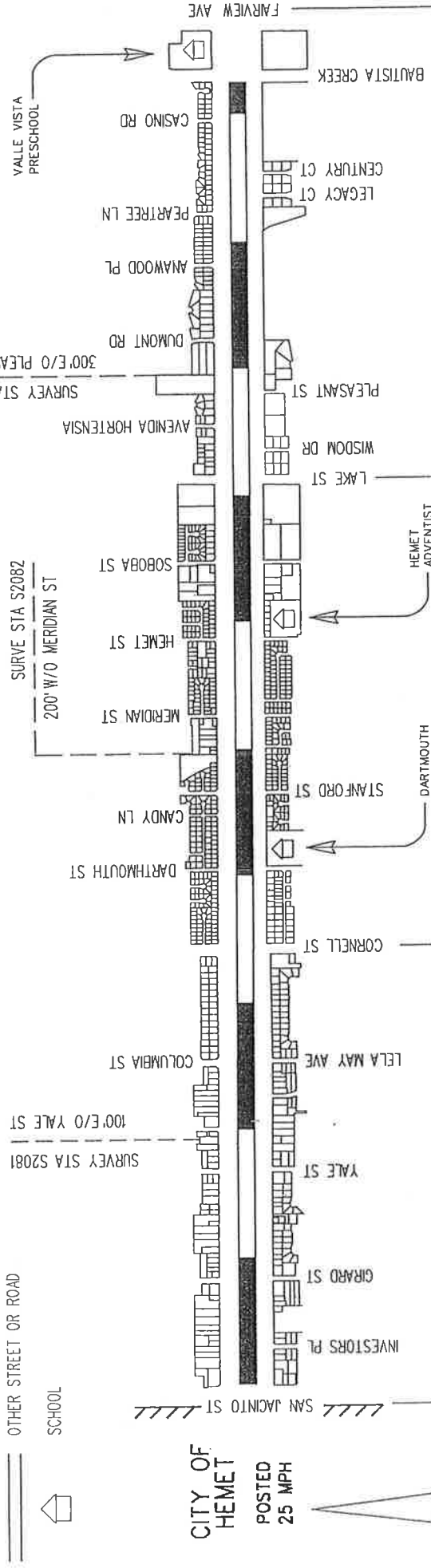
SURVEY DATE: SEP 10, 2013
 MAP DATE: SEP 19, 2013
 DRAWN BY: N AHMAD
 CAD FILE: CONTOUR_AVE.DGN

COUNTY AREA: NUEVO
 COUNTY MAP: 99B, 100
 SUPERVISOR DISTRICT: 5/5

MAYBERRY AVENUE

(#1065)

- LEGEND:**
- CITY LIMITS
 - RADAR ZONE
 - SURVEY STATION
 - OTHER STREET OR ROAD
 - SCHOOL



BEGIN ZONE

END ZONE

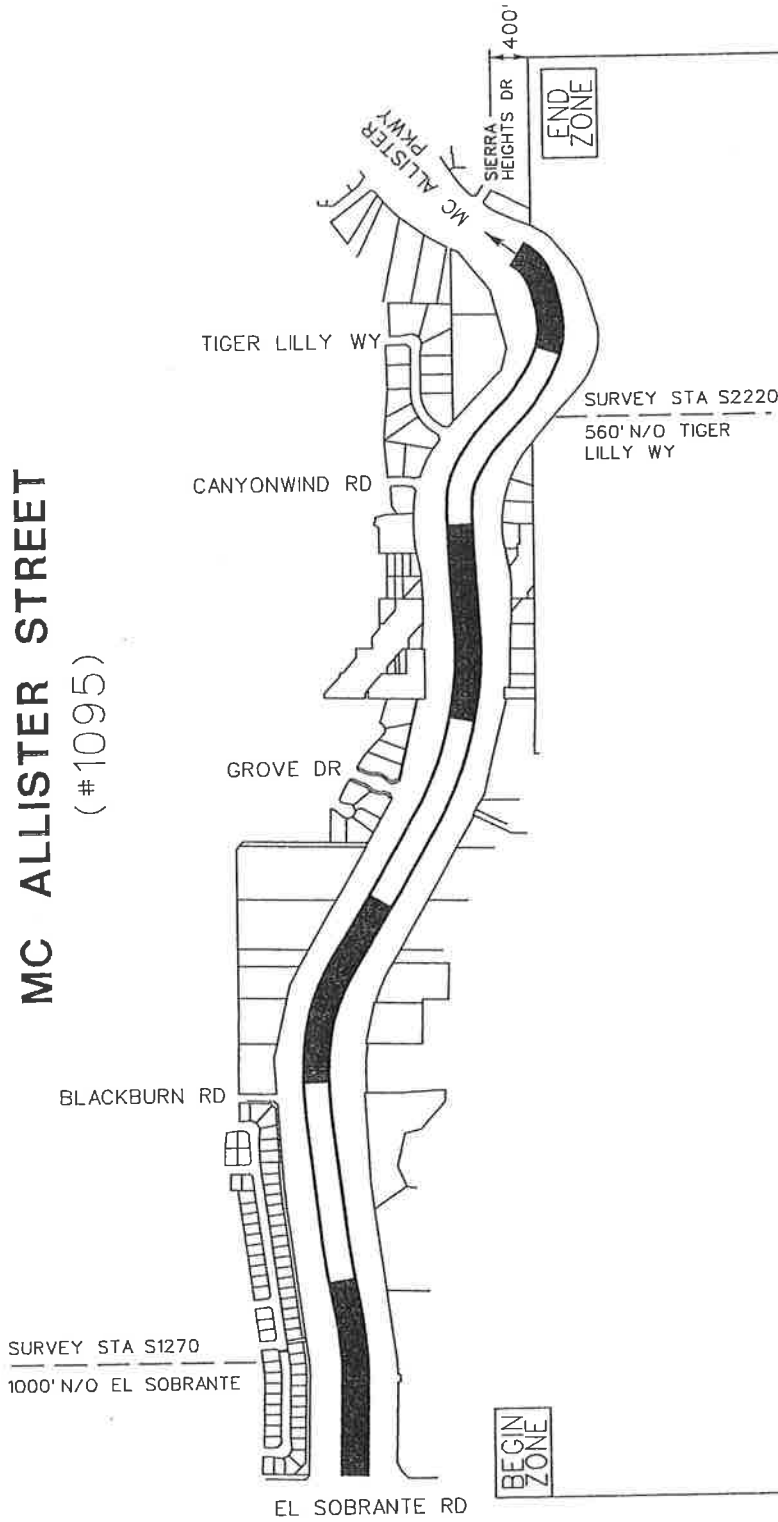
RECOMMENDED SPEED LIMIT	30 MPH	35 MPH	40 MPH
PREVAILING SPEED (85%)	28.1 MPH	34.9 MPH	40.8 MPH
VEHICLES IN 24 HR (2 WAY)	2,540	3,145	2,825
SEGMENT LENGTH	1.0 MI	1.5 MI	1.25 MI
ALL ACCIDENTS IN 2 YRS.	5	4	4
ACCIDENT RATE ☆	2.70 ACC/MVM	1.16 ACC/MVM	1.55 ACC/MVM
POSTED LIMIT	35 MPH (Ord. 452.214 Sec. 2.3 No. 14)	40 MPH (Ord. 452.214 Sec. 2.4 No. 25)	40 MPH (Ord. 452.214 Sec. 2.4 No. 25)

☆ RATE: ACCIDENT x 1,000,000
VEH x 365 x 2 x MILE

COUNTY AREA:	HEMET	SURVEY DATE:	JAN 15, 2013
COUNTY MAP:	110, 111, 112, 112B	MAP DATE:	SEP 3, 2013
SUPERVISOR DISTRICT:	3/3	DRAWN BY:	N AHMAD
		CAD FILE:	MAYBERRY.DGN
		APPROVED BY:	<i>Lawrence T. Tai, P.E.</i>
		DATE:	9/20/2013
		COUNTY ENGINEER:	LAWRENCE T. TAI, P.E.
		COUNTY TRAFFIC ENGINEER:	
		COUNTY OF RIVERSIDE	
		TRANSPORTATION DEPARTMENT	
		TRAFFIC ENGINEERING DIVISION	
		ENGINEERING AND TRAFFIC SURVEY	
		AT	
		MAYBERRY AVENUE	
		PAGE	1 OF 1

MC ALLISTER STREET

(#1095)



- LEGEND:
- CITY LIMITS
 - RADAR ZONE
 - SURVEY STATION
 - OTHER STREET OR ROAD



NO SCALE

RECOMMENDED SPEED LIMIT	45 MPH
85th % TILE SPEED	48.5 MPH (AVERAGE OF TWO SIMILAR STATIONS OF 49.0 AND 48.0 MPH)
VEHICLES IN 24 HR (2 WAY)	1,260
SEGMENT LENGTH	1.5 MILE
ALL ACCIDENTS IN 2 YRS.	0
ACCIDENT RATE ☆	0.00 ACC/MVM
EXISTING SPEED LIMIT	55 MPH (Ord. 452.225 Sec. 2.7 No. 18)

☆ RATE = $\frac{\text{NO. OF ACCIDENTS} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

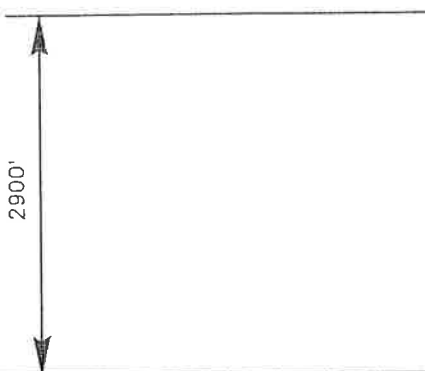
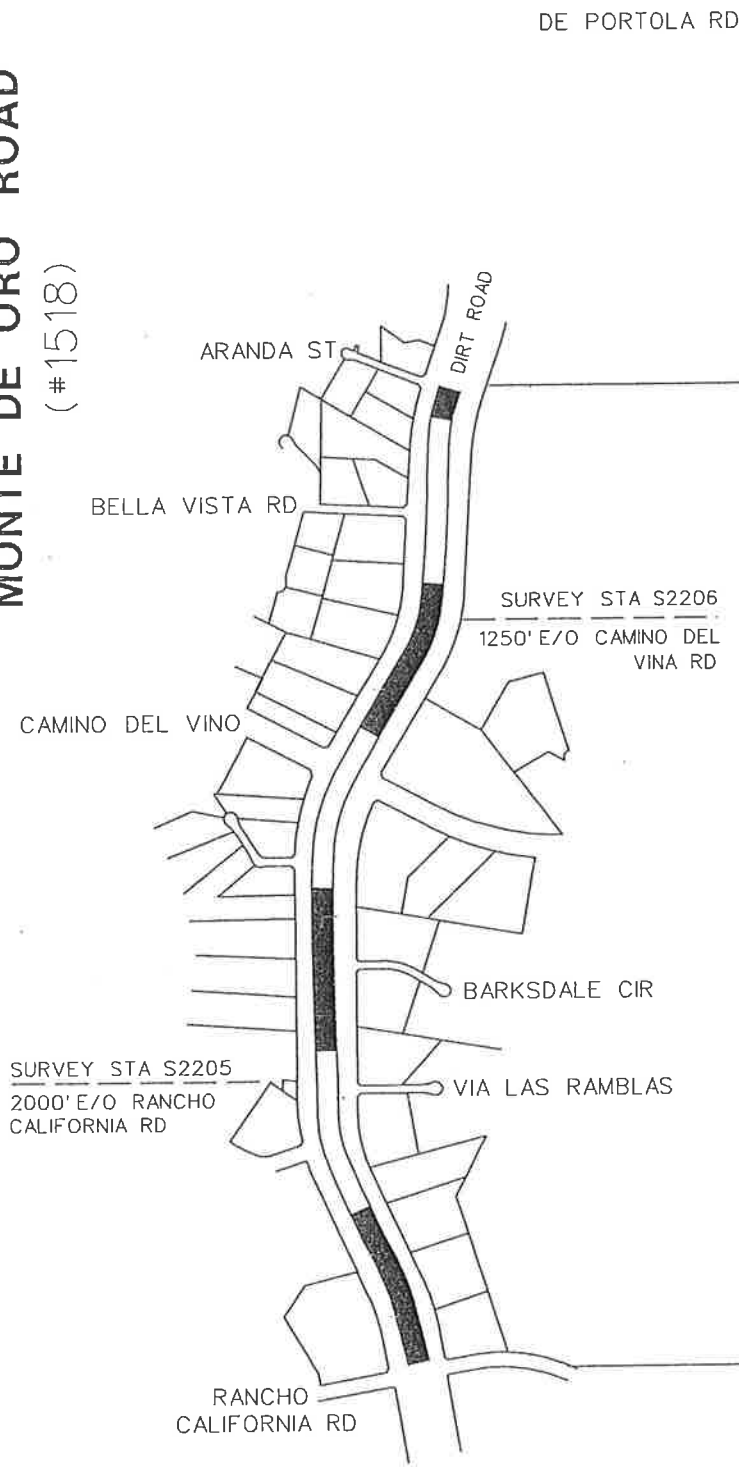
COUNTY AREA:	LAKE MATHEWS	SURVEY DATE:	OCT 10, 2013
COUNTY MAP:	26A, 26B	MAP DATE:	OCT 16, 2013
SUPERVISOR DISTRICT:	1/1	DRAWN BY:	N AHMAD
		CAD FILE:	MCALLISTER.DGN

APPROVED BY: *Lawrence T. Tai*
 DATE: 10/17/2013
LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

LEGEND:

- ////// CITY LIMITS
- ▬ RADAR ZONE
- - - SURVEY STATION
- ▬ OTHER STREET OR ROAD

MONTE DE ORO ROAD (#1518)



RECOMMENDED SPEED LIMIT	45 MPH
85th/7ILE SPEED	46.2 (AVERAGE OF TWO SIMILAR SEGMENTS OF 44.7 AND 47.6 MPH)
VEHICLES IN 24 HR (2 WAY)	1,300
SEGMENT LENGTH	1.5 MILE
ALL ACCIDENTS IN 2 YRS.	2
ACCIDENT RATE ☆	1.40 ACC/MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE- NO. OF ACCIDENT x 1000.000
VEH x 365 x 2 x MILE





APPROVED BY: *Lawrence T. Tai*
DATE: 9/30/2013
LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

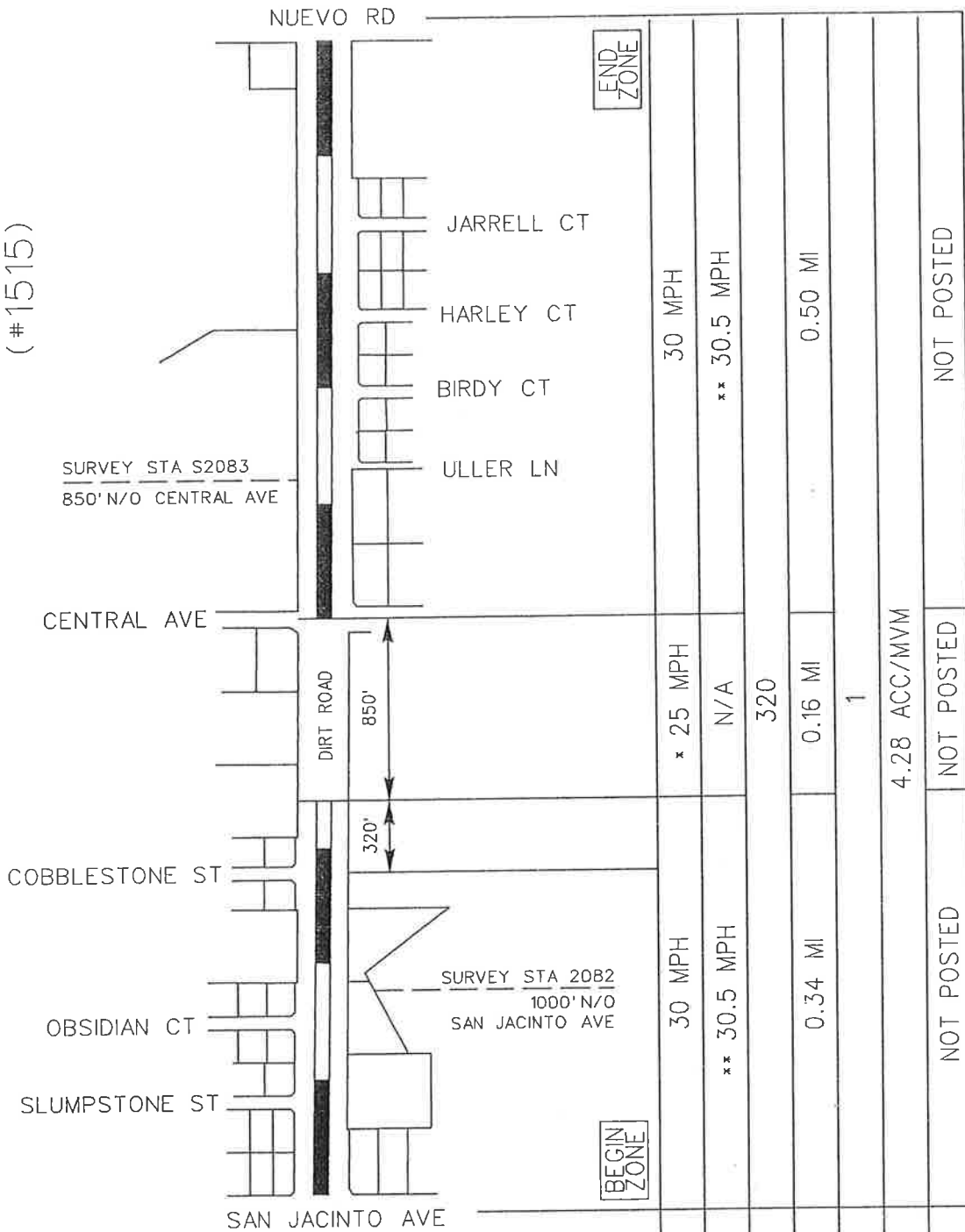
SURVEY DATE: FEB 6, 2013
MAP DATE: SEP 30, 2013
DRAWN BY: N AHMAD
CAD FILE: MONTE_DE_ORO.DGN

COUNTY AREA: TEMECULA
COUNTY MAP: 129, 130
SUPERVISOR DISTRICT: 3/3

OLIVAS AVENUE (#1515)

LEGEND:

-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD



* PRIMA FACIE PER CVC 22365

RECOMMENDED SPEED LIMIT	* 25 MPH	30 MPH	30 MPH
85th% TILE SPEED	N/A	** 30.5 MPH	** 30.5 MPH
VEHICLES IN 24 HR (2 WAY)	320	0.34 MI	0.50 MI
SEGMENT LENGTH	0.16 MI	0.16 MI	0.50 MI
ALL ACCIDENTS IN 2 YRS.	1	1	1
ACCIDENT RATE ☆	4.28 ACC/MVM	4.28 ACC/MVM	4.28 ACC/MVM
EXISTING SPEED LIMIT	NOT POSTED	NOT POSTED	NOT POSTED

** 30.5 MPH (AVERAGE OF TWO SIMILAR SEGMENTS OF 33.0 & 28.0 MPH)

☆ RATE = $\frac{\text{NO. OF ACCIDENT} \times 1000.000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA:	NUEVO
COUNTY MAP:	99A, 99B
SUPERVISOR DISTRICT:	5/5
SURVEY DATE:	SEP 10, 2013
MAP DATE:	SEP 19, 2013
DRAWN BY:	N AHMAD
CAD FILE:	OLIVAS_AVE.DGN

APPROVED BY:

Lawrence T. Tai
DATE: 9/30/2013

LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING DIVISION

ENGINEERING AND TRAFFIC SURVEY
AT

OLIVAS AVENUE



PIGEON PASS ROAD (#1521)

SURVEY STA S2072
950' E/O BOX SPRINGS
MTN RD

PIGEON PASS RD

BOX SPRINGS MTN RD

SURVEY STA S1349
1000' N/O QUAIL CALL DR

CITY OF
MORENO VALLEY
POSTED
50 MPH

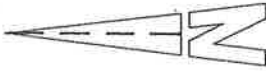
1300'

QUAIL CALL RD

HIDDEN SPRINGS DR

END
ZONE

BEGIN
ZONE



NO SCALE

LEGEND:

- CITY LIMITS
- RADAR ZONE
- SURVEY STATION
- OTHER STREET OR ROAD

RECOMMENDED SPEED LIMIT	50 MPH
85th % TILE SPEED	52.5 MPH (AVG OF TWO SIMILAR SEGMENTS OF 49.0 & 56.0 MPH)
VEHICLES IN 24 HR (2 WAY)	1075
SEGMENT LENGTH	0.9 MILE
ALL ACCIDENTS IN 2 YRS.	1
ACCIDENT RATE ☆	1.41 ACC/MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE = $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

APPROVED BY:

Lawrence T. Tai, P.E.
DATE: 10/9/2013

LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING DIVISION

ENGINEERING AND TRAFFIC SURVEY
AT

PIGEON PASS ROAD





SURVEY DATE: AUG 15, 2013
MAP DATE: OCT 9, 2013
DRAWN BY: N AHMAD
CAD FILE: PIGEON_PASS.DGN

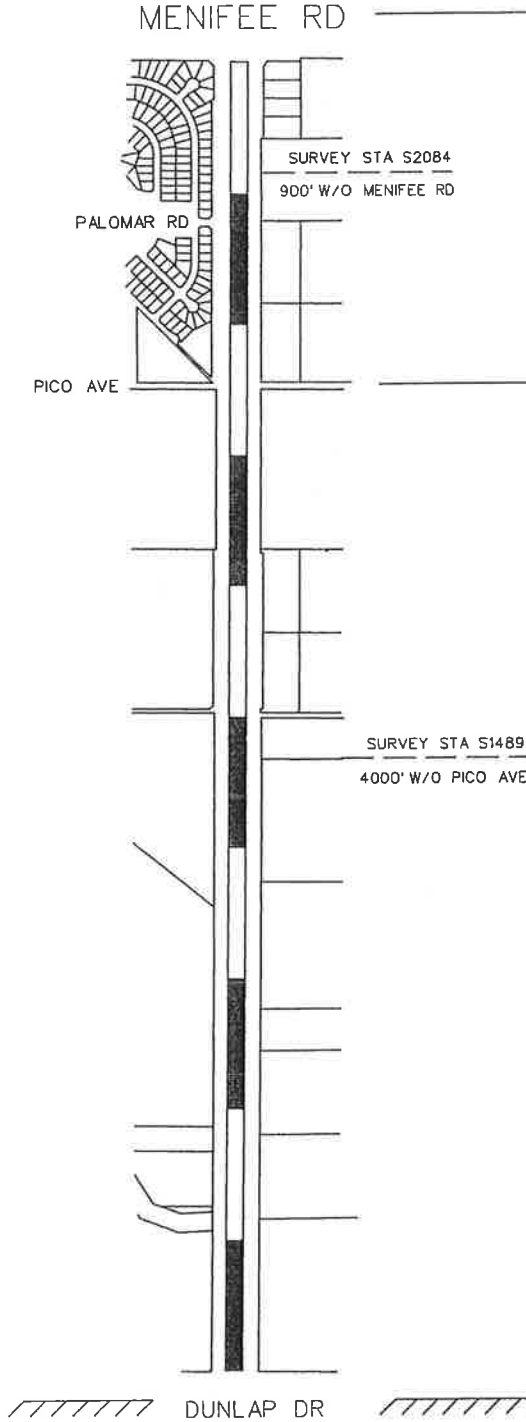
COUNTY AREA: MORENO VALLEY
COUNTY MAP: 45
SUPERVISOR DISTRICT: 1,5



SAN JACINTO AVENUE

(#1512)

- LEGEND:
-  CITY LIMITS
 -  RADAR ZONE
 -  SURVEY STATION
 -  OTHER STREET OR ROAD



NO SCALE

* MAXIMUM SPEED LIMIT PER CVC 22349

RECOMMENDED SPEED LIMIT	*55 MPH	45 MPH	BEGIN ZONE	END ZONE
85th% TILE SPEED	64.1 MPH	45.0 MPH		
VEHICLES IN 24 HR (2 WAY)	4,600	3,960		
SEGMENT LENGTH	1.5 MILE	0.5 MILE		
ALL ACCIDENTS IN 2 YRS.	2	1		
ACCIDENT RATE ☆	0.40 ACC/MVM	0.70 ACC/MVM		
EXISTING SPEED LIMIT	*55 MPH	NOT POSTED		

☆ RATE = $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

APPROVED BY: 
 DATE: 9/18/13
LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

SURVEY DATE: APR 24, 2013
 MAP DATE: SEP 11, 2013
 DRAWN BY: N AHMAD
 CAD FILE: SANJACINTO.DGN

COUNTY AREA: NUEVO
 COUNTY MAP: 99C
 SUPERVISOR DISTRICT: 5/5

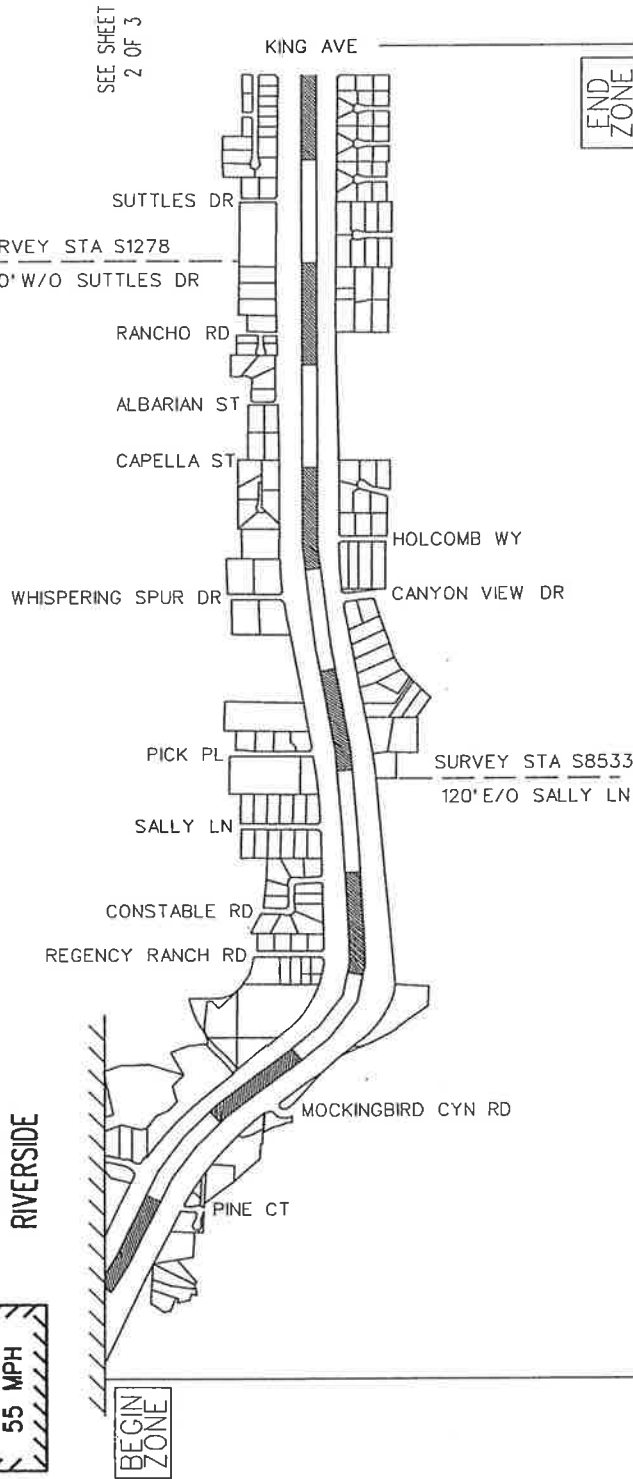
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING DIVISION
 ENGINEERING AND TRAFFIC SURVEY
 AT
SAN JACINTO AVENUE

VAN BUREN BOULEVARD (#1027)

CITY OF
RIVERSIDE



- LEGEND:
- CITY LIMITS
 - RADAR ZONE
 - SURVEY STATION
 - OTHER STREET OR ROAD



NO SCALE

RECOMMENDED SPEED LIMIT	55 MPH
85th/TILE SPEED	57.5 MPH (AVERAGE OF TWO SIMILAR STATIONS OF 64.0 AND 51.0 MPH)
VEHICLES IN 24 HR (2 WAY)	28,070
SEGMENT LENGTH	2.7 MILE
ALL ACCIDENTS IN 2 YRS.	39
ACCIDENT RATE \star	0.70 ACC/MVM
EXISTING SPEED LIMIT	55 MPH (Ord. 452.214 Sec. 2.7 No. 2)

\star RATE: $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA:	WOODCREST	SURVEY DATE:	SEP 17, 2013
COUNTY MAP:	26, 27, 53, 55	MAP DATE:	OCT 17, 2013
SUPERVISOR DISTRICT:	1/1	DRAWN BY:	N AHMAD
		CAD FILE:	VAN BUREN.DGN

APPROVED BY: *Lawrence T. Tai*

DATE: 10/17/2013

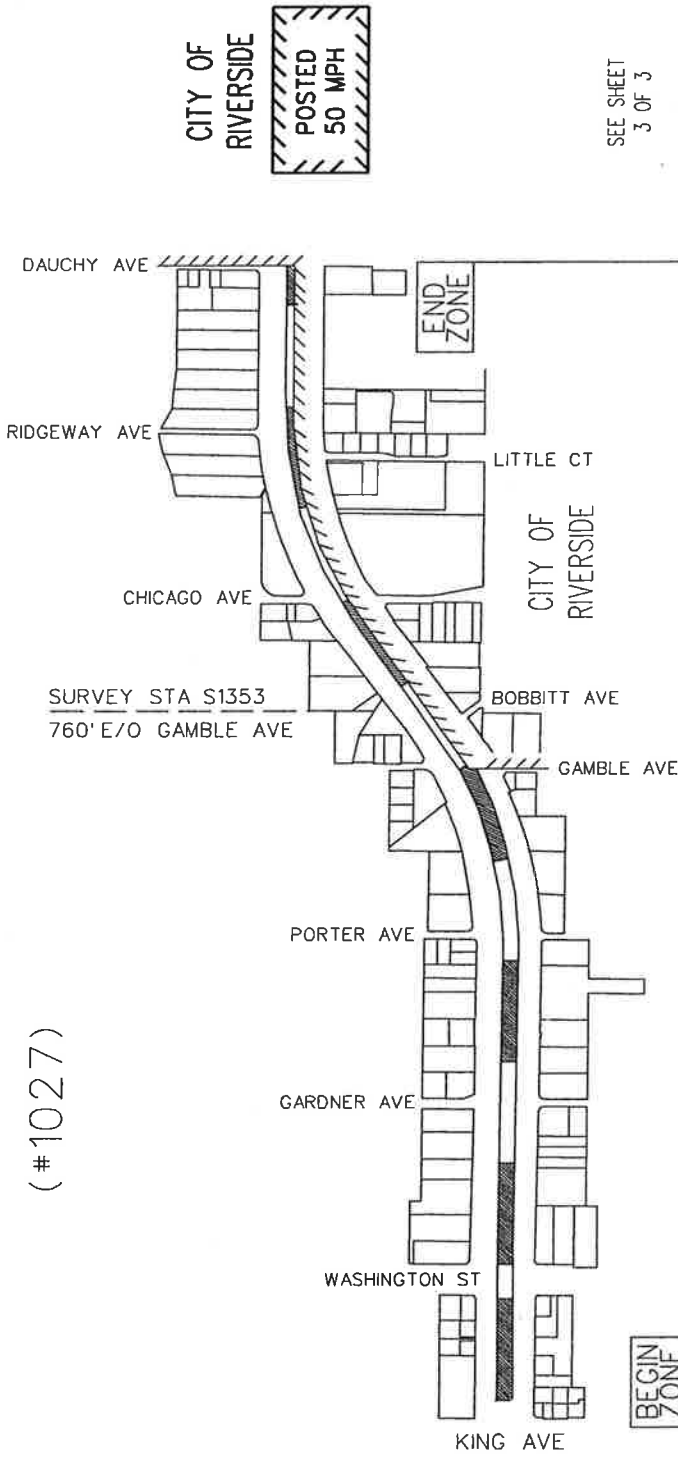
LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

VAN BUREN BOULEVARD

(#1027)

LEGEND:

- CITY LIMITS
- RADAR ZONE
- SURVEY STATION
- OTHER STREET OR ROAD



NO SCALE

SEE SHEET
3 OF 3

* (Ord. 452.214 Sec. 2.7 No. 2)

RECOMMENDED SPEED LIMIT	50 MPH
85th/TILE SPEED	51.7 MPH
VEHICLES IN 24 HR (2 WAY)	40,340
SEGMENT LENGTH	1.8 MILE
ALL ACCIDENTS IN 2 YRS.	42
ACCIDENT RATE ☆	0.79 ACC/MVM
EXISTING SPEED LIMIT	50 MPH (Ord. 452.214 Sec. 2.6 No. 17)

☆ RATE: $\frac{\text{NO. OF ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA:	WOODCREST	SURVEY DATE:	SEP 17, 2013
COUNTY MAP:	26, 27, 53, 55	MAP DATE:	OCT 16, 2013
SUPERVISOR DISTRICT:	1/1	DRAWN BY:	N AHMAD
		CAD FILE:	VAN BUREN.DGN

APPROVED BY:

Lawrence T. Tai, P.E.
DATE:

LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING DIVISION

ENGINEERING AND TRAFFIC SURVEY
AT

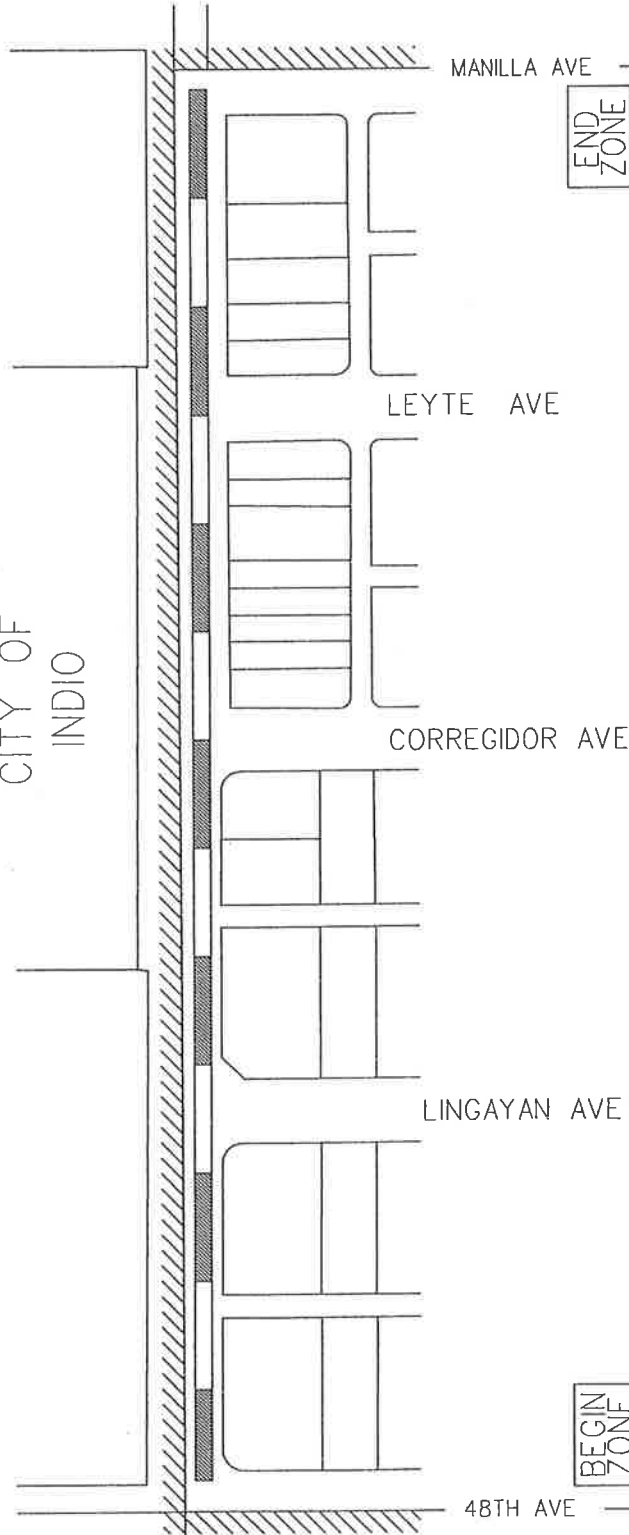
VAN BUREN BOULEVARD

VAN BUREN STREET

(#1416)

- LEGEND:**
- ////// CITY LIMITS
 - ▬ RADAR ZONE
 - - - SURVEY STATION
 - ▬▬ OTHER STREET OR ROAD

CITY OF
INDIO



NO SCALE

SPECIAL CONDITIONS : NO MEDIAN - REDUCE TO 40 MPH (CITY OF INDIO JUSTIFICATION)

RECOMMENDED SPEED LIMIT	40 MPH	(CITY OF INDIO DATA)
PREVAILING SPEED (85%)	44 MPH	(CITY OF INDIO DATA)
VEHICLES IN 24 HR (2 WAY)	7,145	(CITY OF INDIO DATA)
SEGMENT LENGTH	0.25 MILE	
ALL ACCIDENTS IN 2 YRS.	2	
ACCIDENT RATE ☆	1.53 ACC/MVM	
EXISTING SPEED LIMIT	35 MPH (Ord. 452.222 Sec. 2.3 No. 86)	

☆ RATE: ACCIDENT x 1,000,000
VEH x 365 x 2 x MILE

COUNTY AREA:	INDIO	SURVEY DATE:	MAR 3, 2008	APPROVED BY:	<i>Lawrence T. Tai, P.E.</i>
COUNTY MAP PAGE:	213A	MAP DATE:	SEP 26, 2013	DATE:	9/30/2013
SUPERVISOR DISTRICT:	4/4	DRAWN BY:	N AHMAD	COUNTY TRAFFIC ENGINEER:	LAWRENCE T. TAI, P.E.
		CAD FILE:	VANBUREN INDIO.DGN		COUNTY TRAFFIC ENGINEER