

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

313 B



FROM: TLMA - Transportation Department

SUBMITTAL DATE:

April 3, 2006

SUBJECT: Ordinance No. 452.222 to establish speed zones enforceable by radar speed detection equipment – Eastvale, French Valley, Hemet, Sun City, Indio, Temecula, Cabazon, and Cherry Valley areas

RECOMMENDED MOTION: That the Board introduce Ordinance No. 452.222, amending Ordinance No. 452 relating to prima facie speed limits to establish various speed zones in the above-referenced areas of Riverside County.

BACKGROUND: Transportation Department staff has conducted Engineering and Traffic Surveys (E&TS) for various roads in the subject areas, as required by the California Vehicle Code.

Based upon the results of the E&TS for these roads, the radar-enforceable speed limits recommended by the Department are summarized in the attached tables.

It is recommended that the Board adopt this amendment at the next regularly scheduled meeting.

County Counsel has approved the ordinance amendment.

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

LTT:bjl
attachments

cc: County Counsel
Lawrence Tai

REVIEWED BY EXECUTIVE OFFICE
John J. Taylor
DATE 4/3/06

Departmental Concurrence

George A. Johnson
George A. Johnson
Director of Transportation

Dep't Recomm.: Policy
Per Exec. Ofc.: Policy
 Consent
 Consent

Prev. Agn. Ref.: | District: 2,3,4,5 | Agenda Number: 3.30

**LIST OF SPEED ZONE SUBMITTALS
SUPERVISORIAL DISTRICT NO. 2**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
Eastvale	Chandler Street Archibald Avenue to Harrison Avenue	Not Posted	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Eastvale	Citrus Street Harrison Street to Hamner Avenue	Not Posted	45 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)

**LIST OF SPEED ZONE SUBMITTALS
SUPERVISORIAL DISTRICT NO. 3**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
Hemet	Crest Drive Columbia Street to Cornell Street	Not Posted	30 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Sun City	Valley Boulevard McCall Boulevard to 1,300' south of Honeyrun Road	Not Posted	45 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
French Valley	Van Gaale Lane Auld Road to Benton Road	Not Posted	45 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)

**LIST OF SPEED ZONE SUBMITTALS
SUPERVISORIAL DISTRICT NO. 4**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
Indio	Clinton Street De Oro Avenue to Fred Waring Drive (west half) Fred Waring Drive to Indio City Limits (full width)	35 mph	35 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Speed zone boundary change; Consistent speed zone with City of Indio.
Indio	Fred Waring Drive Indio City Limits west of Silverwood Drive to Indio City Limits east of Larrea Street (north half)	45 mph	50 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Consistent speed zone with City of Indio.
Indio	Jackson Street 52 nd Avenue to 50 th Avenue (east half)	Not Posted	50 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Consistent speed zone with City of Indio.
Indio	Miles Avenue Madison Street to Elm Street (north half) Elm Street to Clinton Street (full width)	45 mph	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Consistent speed zone with City of Indio.
Indio	Van Buren Street 48 th Street to Manilla Avenue (east half)	25 mph	35 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Consistent speed zone with City of Indio.
Indio	52 nd Street Monroe Street to Jackson Street (south half)	50 mph	50 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways); Speed zone boundary change; Consistent speed zone with City of Indio.

**LIST OF SPEED ZONE SUBMITTALS
SUPERVISORIAL DISTRICT NO. 5**

AREA	ROAD NAME/ LIMITS	EXISTING SPEED LIMIT	PROPOSED SPEED LIMIT	NOTES
Romoland	Briggs Road Matthews Road to SR-74	Not Posted	45 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Cabazon	Broadway Street Esperanza Avenue to Main Street	Not Posted	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Cabazon	Carmen Avenue Magnolia Street to Orange Street	Not Posted	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Cabazon	Carmen Avenue Pine Street to Almond Street	Not Posted	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)
Cherry Valley	Winesap Avenue Brookside Avenue to east of Dutton Street	Not Posted	40 mph	Allowable maximum speed limit is 55 mph (2-lane undivided roadways)

2 ORDINANCE NO. 452.222

3 AN ORDINANCE OF THE COUNTY OF RIVERSIDE
4 AMENDING ORDINANCE NO. 452
5 RELATING TO PRIMA FACIE SPEED LIMITS

6 The Board of Supervisors of the County of Riverside do ordain as follows:

7 Section 1. Section 2.2 (Thirty miles per hour) is amended to include the following:

- 8 17. On Crest Drive between Columbia Street and Cornell Street, a total distance
9 of approximately 0.25 mile, in the Hemet area.
10 18. On Blossom Way between Harrison Avenue and Sumner Avenue, a total
11 distance of approximately 0.5 mile, in the Eastvale area.

12 Section 2. Section 2.3 (Thirty-five miles per hour) is amended to include the
13 following:

- 14 85. On the westerly half of Clinton Street between De Oro Avenue and Fred
15 Waring Drive; and the full width of Clinton Street between Fred Waring Drive
16 and the Indio city limits, a total distance of approximately 0.95 mile, in the Indio
17 area.
18 86. On the easterly half of Van Buren Street between 48th Avenue and Manilla
19 Avenue, a total distance of approximately 0.25 mile, in the Indio area.

20 Section 3. Section 2.4 (Forty miles per hour) is amended to include the following:

- 21 80. On Chandler Street between Archibald Avenue and Harrison Avenue, a total
22 distance of 0.5 mile, in the Eastvale area.
23 81. On the northerly half of Miles Avenue between Madison Street and Elm Street;
24 and the full width of Miles Avenue between Elm Street and Clinton Street, a
25 total distance of approximately 0.5 mile, in the Indio area.

- 1 82. On Broadway Street between Esperanza Avenue and Main Street, a total
2 distance of approximately 0.9 mile, in the Cabazon area.
- 3 83. On Carmen Avenue between Magnolia Street and Orange Street, a total
4 distance of approximately 0.5 mile, in the Cabazon area.
- 5 84. On Carmen Avenue between Pine Street and Almond Street, a total distance
6 of approximately 0.88 mile, in the Cabazon area.
- 7 85. On Winesap Avenue between Brookside Avenue to east of Dutton Street, a
8 total distance of approximately 1.0 mile, in the Cherry Valley area.

9 Section 4. Section 2.5 (Forty-five miles per hour) is amended to include the
10 following:

- 11 113. On Citrus Street between Harrison Avenue and Hamner Avenue, a total
12 distance of approximately 1.5 miles, in the Eastvale area.
- 13 114. On Van Gaale Lane between Auld Road and Benton Road, a total distance of
14 approximately 0.5 mile, in the French Valley area.
- 15 115. On Valley Boulevard between McCall Boulevard and 1,300 feet south of
16 Honeyrun Road, a total distance of approximately 1.4 miles, in the Sun City
17 area.
- 18 116. On Briggs Road between Matthews Road and State Route 74, a total distance
19 of approximately 1.4 miles, in the Romoland area.

20 Section 5. Section 2.6 (Fifty miles per hour) is amended to include the following:

- 21 48. On the northerly half of Fred Waring Drive between the Indio city limits west of
22 Silverwood Drive and the Indio city limits east of Larrea Street, a total distance
23 of approximately 0.5 mile, in the Indio area.
- 24 49. On the easterly half of Jackson Street between 52nd Avenue and 50th Avenue,
25 a total distance of approximately 1.0 mile, in the Indio area.

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50. On the southerly half of 52nd Avenue between Monroe Street and Jackson Street, a total distance of approximately 1.0 mile, in the Indio area.

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

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

BY _____
Chairman

NANCY ROMERO
Clerk of the Board of Supervisors

By _____
Deputy





FORM APPROVED
COUNTY COUNSEL

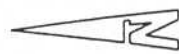
RH:bjl
March 14, 2006
F:\PCDATA\Traffic\ORDINANC\Ordinances\Ord 452.222.doc

MAR 21 2006

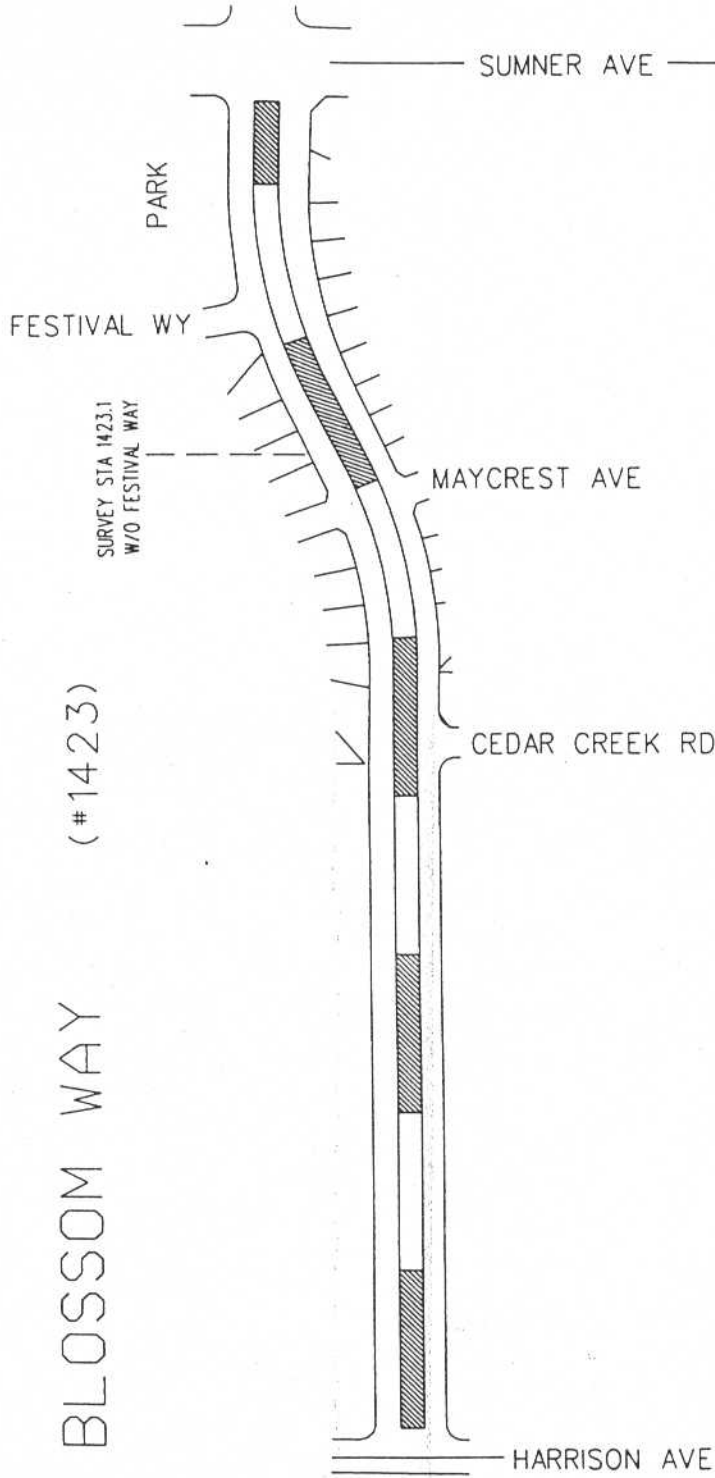
BY *Jordan V. Woo*

BLOSSOM WAY (#1423)

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



NO SCALE



BEGIN ZONE

END ZONE

RECOMMENDED SPEED LIMIT	30 MPH
PREVAILING SPEED (85%)	32.7 MPH
VEHICLES IN 24 HR (2 WAY)	1690
SEGMENT LENGTH	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	0
ACCIDENT RATE ☆	0.0 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE - ACCIDENT x 1000 000.
VEH x 365 x 2 x MILE





COUNTY AREA: EASTVALE
 COUNTY MAP PAGE: 14B
 SUPERVISOR DISTRICT: 2

APPROVED BY: *Lawrence T. Tai*
 DATE: 2/8/2006
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

SURVEY DATE: 2/2/2006
 MAP DATE: 2/8/2006
 DRAWN BY: R HEALY
 CAD FILE: BLOSSOM.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION
 ENGINEERING AND TRAFFIC SURVEY
 AT
 BLOSSOM WAY

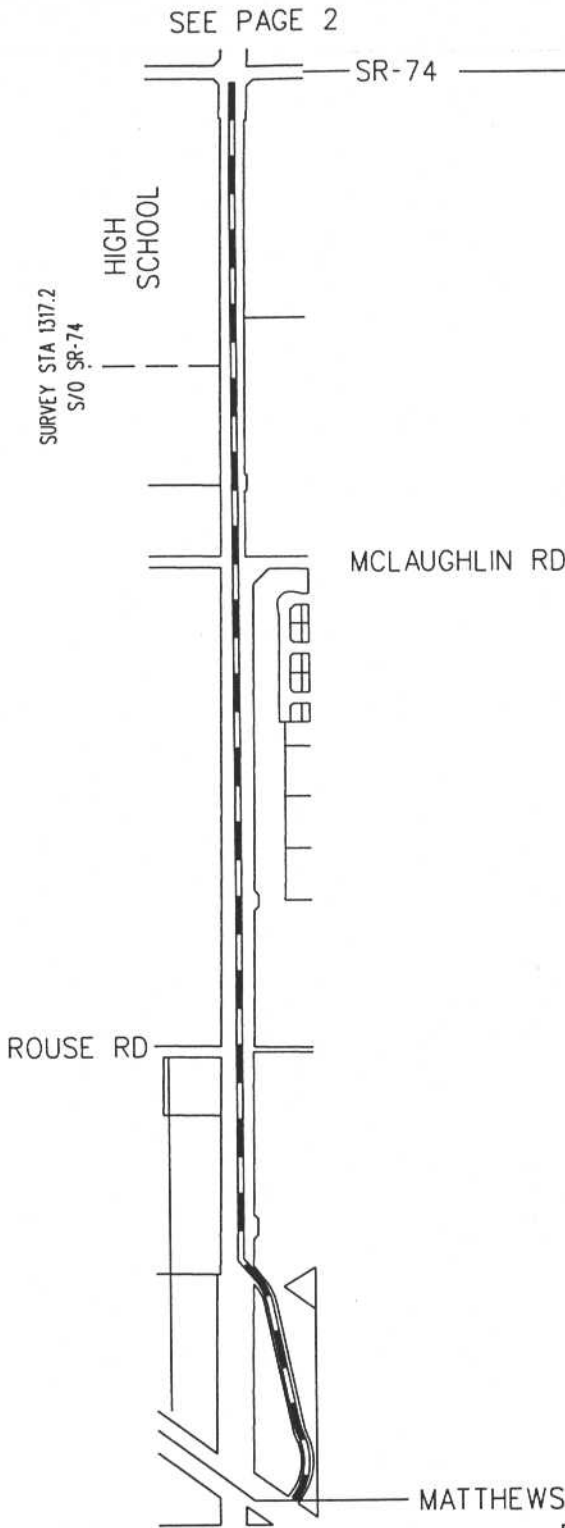
LEGEND:

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



BRIGGS ROAD

(#1317)



RECOMMENDED SPEED LIMIT	45 MPH
PREVAILING SPEED (85%)	46 MPH
VEHICLES IN 24 HR (2 WAY)	580
SEGMENT LENGTH	1.4 MILE
ALL ACCIDENTS IN 2 YRS.	0
ACCIDENT RATE ☆	0.0 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE: $\frac{\text{ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: ROMOLAND
 COUNTY MAP PAGE: 103A & 103B
 SUPERVISOR DISTRICT: 5

APPROVED BY:

Lawrence F. Tai
 DATE: 12/2/2005
 LAWRENCE F. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

SURVEY DATE: 11/19/2005

MAP DATE: 11/29/2005

DRAWN BY: R HEALY

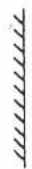



CAD FILE: BRIGGS.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION

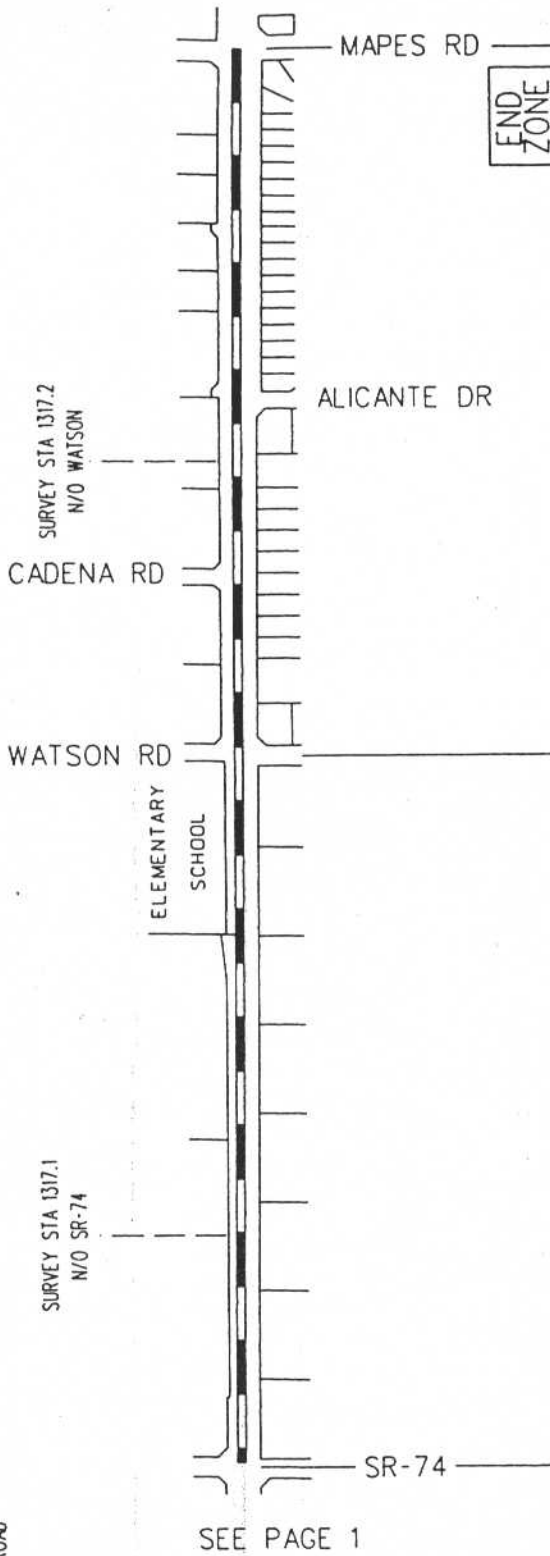
ENGINEERING AND TRAFFIC SURVEY
 AT
 BRIGGS RD



LEGEND:

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

BRIGGS ROAD (#1317)



SCHOOL ZONE, SCHOOL AGE PEDESTRIANS ON NARROW DIRT SHOULDERS REDUCE SPEED LIMITS	
RECOMMENDED SPEED LIMIT	40 MPH
PREVAILING SPEED (85%)	45 MPH
VEHICLES IN 24 HR (2 WAY)	2050
SEGMENT LENGTH	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	1
ACCIDENT RATE ☆	1.33 MVM
EXISTING SPEED LIMIT	40 MPH (ORD.452.214.2.4.38)

☆ RATE = $\frac{\text{ACCIDENT} \times 1000.000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: ROMOLAND

COUNTY MAP PAGE: 103A & 103B

SUPERVISOR DISTRICT: 5

APPROVED BY: *Lawrence J. Tai*

DATE: 12/2/2005





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

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT
BRIGGS RD

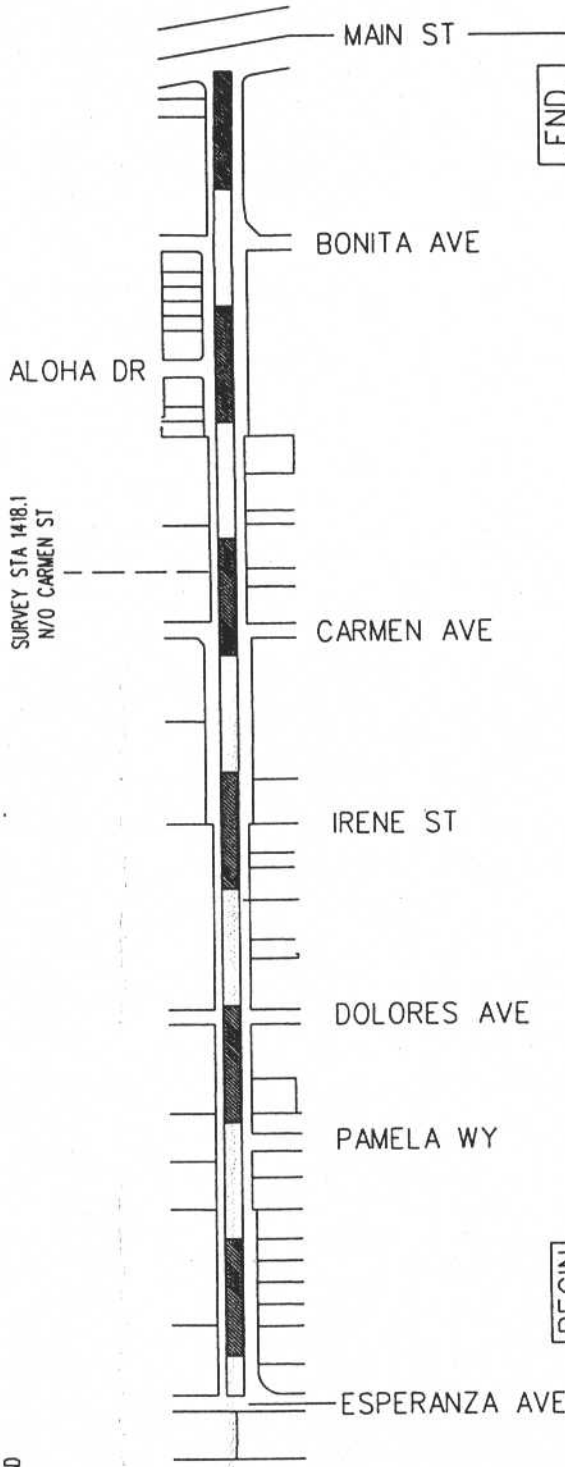
PAGE 2 OF 2

LEGEND:

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



BROADWAY STREET (#1418)



BEGIN
ZONE

END
ZONE

RECOMMENDED SPEED LIMIT	40 MPH
PREVAILING SPEED (85%)	44.8 MPH
VEHICLES IN 24 HR (2 WAY)	2130
SEGMENT LENGTH	0.9 MILE
ALL ACCIDENTS IN 2 YRS.	5
ACCIDENT RATE ☆	3.57 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE = $\frac{\text{ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: CABAZON

COUNTY MAP PAGE: 140A


SUPERVISOR DISTRICT: 5

SURVEY DATE: 7/20/2005

MAP DATE: 9/14/2005

DRAWN BY: R HEALY

CAD FILE: BROADWAY.DGN

APPROVED BY: 





DATE: 12/2/05

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

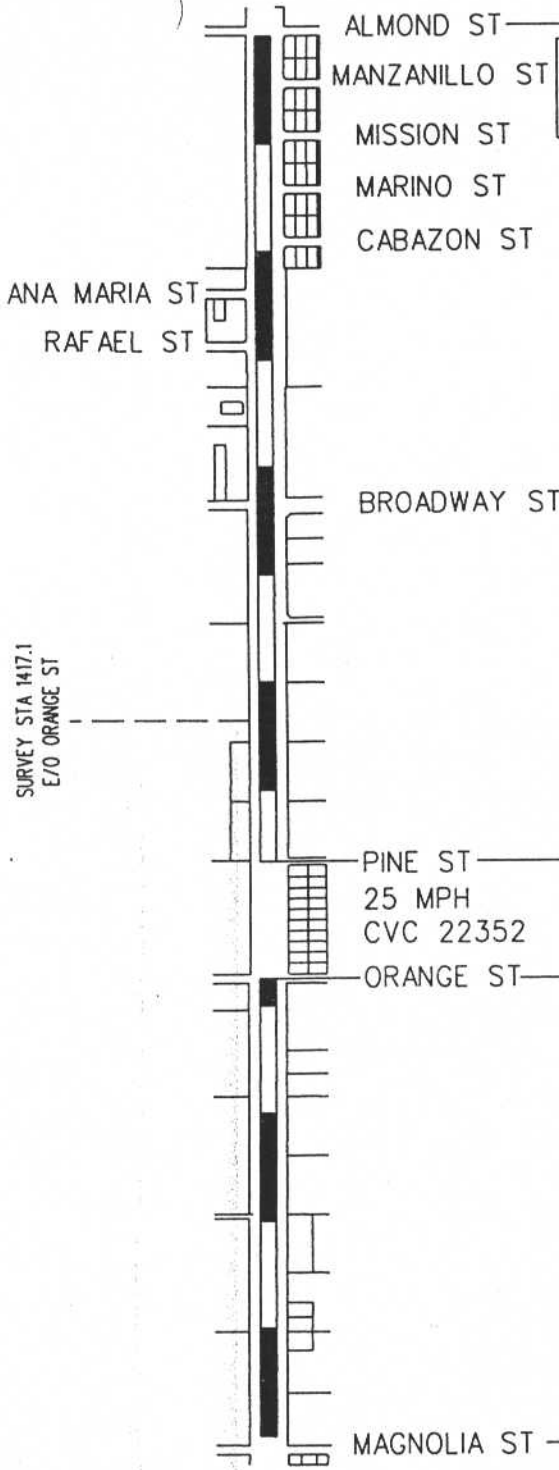
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT
BROADWAY ST

LEGEND:

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

CARMEN AVENUE (#1417)



RECOMMENDED SPEED LIMIT	40 MPH	40 MPH	40 MPH
PREVAILING SPEED (85%)	44.9 MPH	44.9 MPH	44.9 MPH
VEHICLES IN 24 HR (2 WAY)	280	280	280
SEGMENT LENGTH	0.5 MILE	0.12 MI.	0.88 MILE
ALL ACCIDENTS IN 2 YRS.	0	0	2
ACCIDENT RATE ☆	0.0 MVM	0.0 MVM	11.12 MVM
EXISTING SPEED LIMIT	NOT POSTED	25 MPH	NOT POSTED

☆ RATE: $\frac{\text{ACCIDENT} \times 1000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: CABAZON

COUNTY MAP PAGE: 140A

SUPERVISOR DISTRICT: 5

APPROVED BY: *Lawrence T. Tai*

DATE: 12/2/05

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

SURVEY DATE: 7/19/2005

MAP DATE: 9/13/2005





DRAWN BY: R HEALY

CAD FILE: CARMEN.DGN

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT
CARMEN AVE

LEGEND:

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

CHANDLER STREET

(#1203)

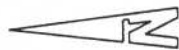
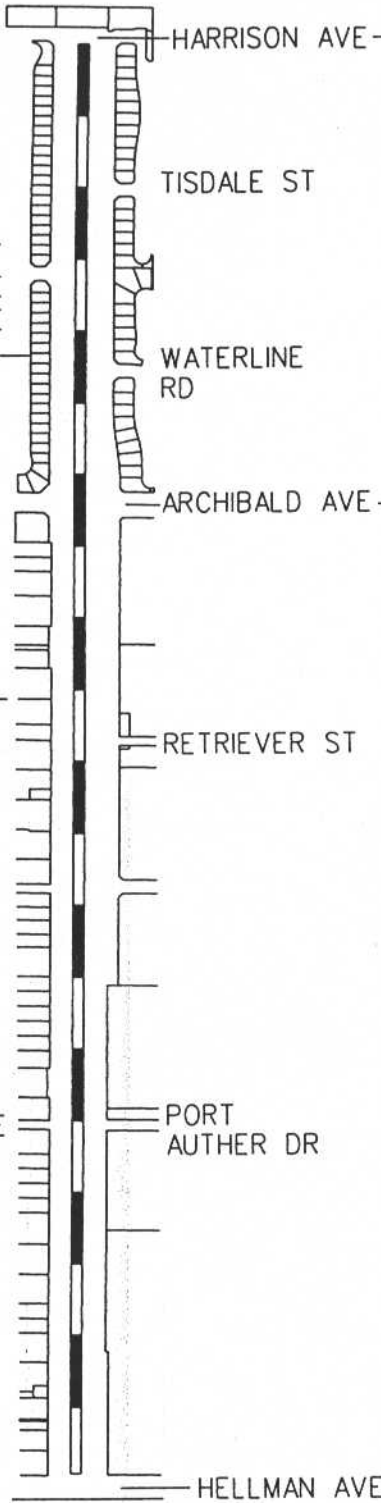
SURVEY STA 1203.1
W/O ARCHIBALD AVE

SURVEY STA 1203.2
E/O ARCHIBALD AVE

SELBY AVE

HALL AVE

WALNUT GROVE AVE



NO SCALE

RECOMMENDED SPEED LIMIT	40 MPH	40 MPH
PREVAILING SPEED (85%)	(PREVAILING SPEED AVERAGE OF BOTH SECTIONS)	44.4 MPH
VEHICLES IN 24 HR (2 WAY)	2600	2190
SEGMENT LENGTH	1.0 MILE	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	14	3
ACCIDENT RATE ☆	7.37 MVM	3.75 MVM
EXISTING SPEED LIMIT	40 MPH (ORD. 452.214.2.4.2)	NOT POSTED

☆ RATE = $\frac{\text{ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: EASTVALE
 COUNTY MAP PAGE: 13B
 SUPERVISOR DISTRICT: 2

APPROVED BY:

Lawrence T. Tai
 DATE: 12/2/2005

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

SURVEY DATE: 1/25/2005

MAP DATE: 12/2/2005

DRAWN BY: R HEALY

CAD FILE: CHANDLER.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
 AT





CHANDLER ST

PAGE

10F1

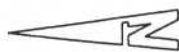
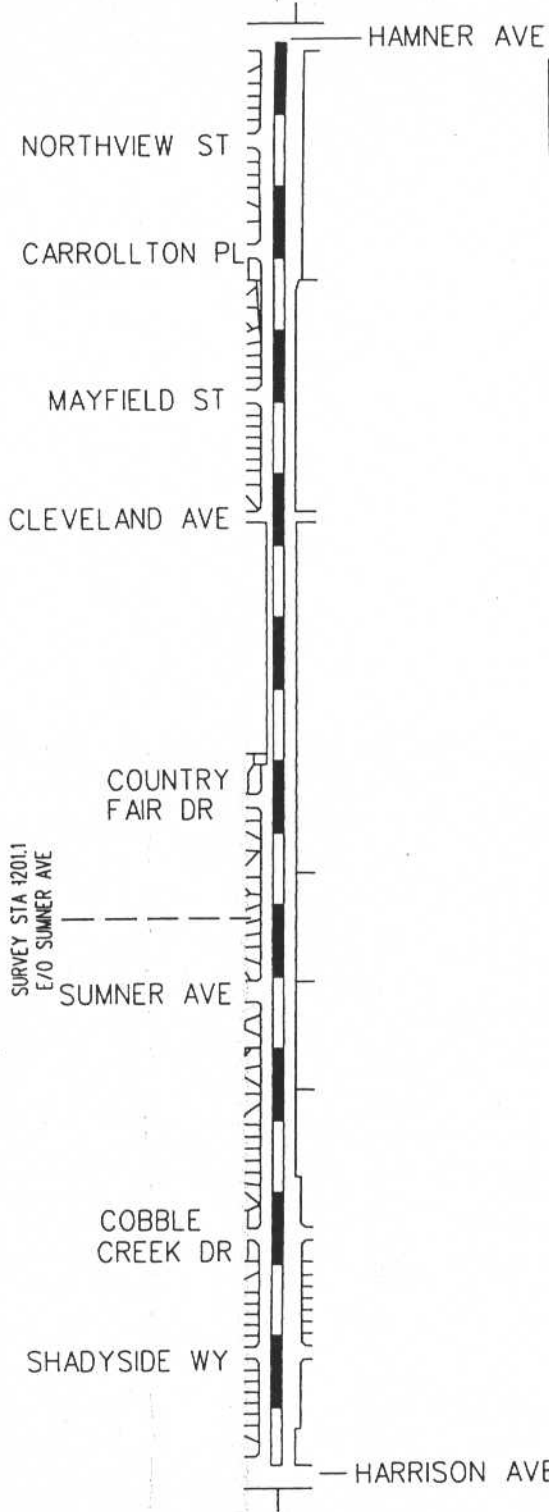


LEGEND:

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

CITRUS STREET

(#1201)



NO SCALE

RECOMMENDED SPEED LIMIT	45 MPH
PREVAILING SPEED (85%)	46.5 MPH
VEHICLES IN 24 HR (2 WAY)	2730
SEGMENT LENGTH	1.5 MILE
ALL ACCIDENTS IN 2 YRS.	1
ACCIDENT RATE ☆	0.33 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE = $\frac{\text{ACCIDENT} \times 1000000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: EASTVALE
 COUNTY MAP PAGE: 13B, 14C
 SUPERVISOR DISTRICT: 2

APPROVED BY:

Lawrence T. Tai
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER
 DATE: 1/25/06

SURVEY DATE: 1/18/2006

MAP DATE: 1/25/2006

DRAWN BY: R HEALY





CAD FILE: CITRUS.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION

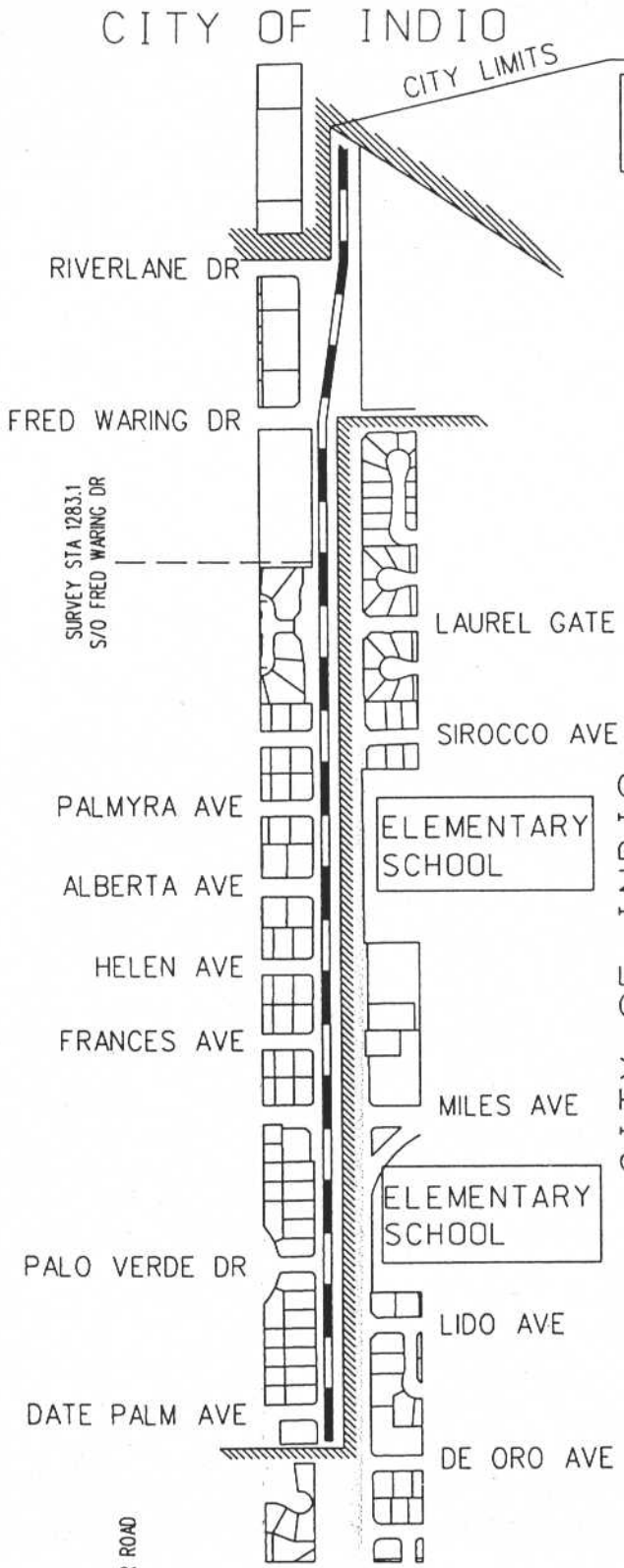
ENGINEERING AND TRAFFIC SURVEY
 AT
 CITRUS ST



CLINTON STREET (#1283)

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

CITY OF INDIO



4 SCHOOLS IN AREA, SAFE ROUTE TO SCHOOL, REDUCE SPEED LIMIT TO 35 MPH, CONSISTENT W/CITY OF INDIO

RECOMMENDED SPEED LIMIT	35 MPH
PREVAILING SPEED (85%)	44 MPH
VEHICLES IN 24 HR (2 WAY)	7370
SEGMENT LENGTH	0.95 MILE
ALL ACCIDENTS IN 2 YRS.	41
ACCIDENT RATE ☆	4.45 MVM
EXISTING SPEED LIMIT	35 MPH





☆ RATE: ACCIDENT x 1000 000
VEH x 365 x 2 x MILE

COUNTY AREA: INDIO
 COUNTY MAP PAGE: 208A, 212A
 SUPERVISOR DISTRICT: 4

APPROVED BY: *Lawrence T. Tai*
 DATE: 8/16/2005
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

SURVEY DATE: 1/28/2004
 MAP DATE: 8/16/2005
 DRAWN BY: R HEALY
 CAD FILE: INDIO.DGN

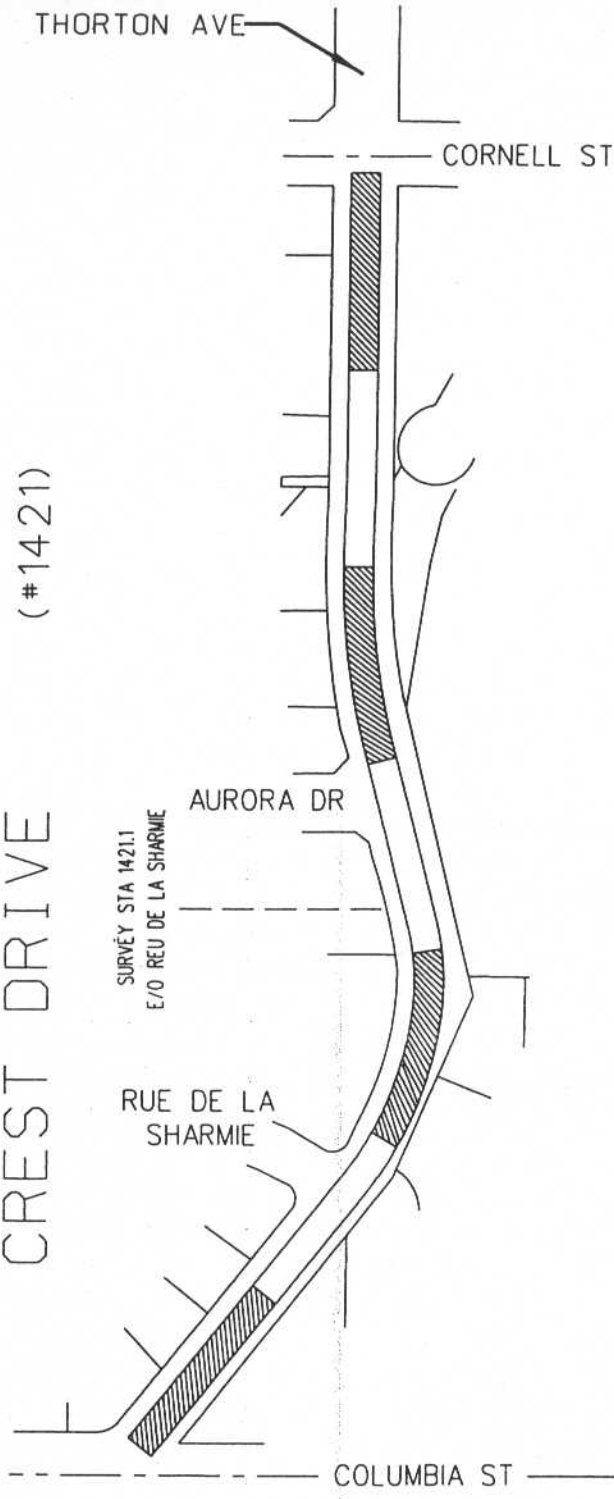
LEGEND:

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



NO SCALE

CREST DRIVE (#1421)



BEGIN ZONE

END ZONE

NARROW ROADWAY, NO SIDEWALKS, HIDDEN RESIDENTIAL DRIVEWAYS, REDUCE SPEED LIMIT TO 30 MPH

RECOMMENDED SPEED LIMIT	30 MPH
PREVAILING SPEED (85%)	35.6 MPH
VEHICLES IN 24 HR (2 WAY)	2360
SEGMENT LENGTH	0.25
ALL ACCIDENTS IN 2 YRS.	2
ACCIDENT RATE ☆	4.64 MVM
EXISTING SPEED LIMIT	NOT POSTED

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

COUNTY AREA: HEMET
 COUNTY MAP PAGE: 116A
 SUPERVISOR DISTRICT: 3

SURVEY DATE: 9/29/2005
 MAP DATE: 12/22/2005
 DRAWN BY: R HEALY
 CAD FILE: CREST.DGN

APPROVED BY: *Lawrence T. Tai*
 DATE: 12/22/05
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
 AT
 CREST DR

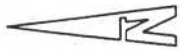
PAGE
1 OF 1

FRED WARING DRIVE (#1284)

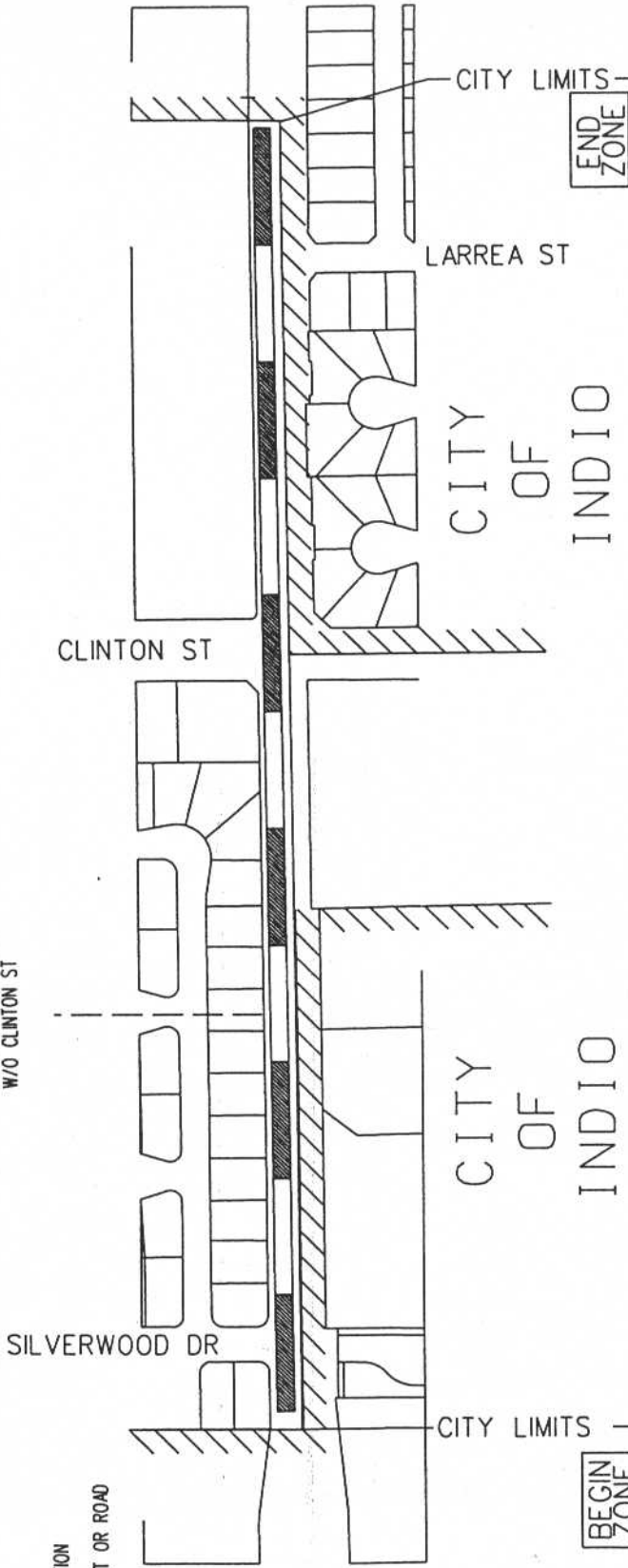
SURVEY STA 1284.1
W/O CLINTON ST

LEGEND:

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



NO SCALE



RECOMMENDED SPEED LIMIT	50 MPH
PREVAILING SPEED (85%)	56 MPH (CITY OF INDIIO DATA)
VEHICLES IN 24 HR (2 WAY)	19300 (CITY OF INDIIO DATA)
SEGMENT LENGTH	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	7 (CITY OF INDIIO DATA)
ACCIDENT RATE ☆	0.99 MVM
EXISTING SPEED LIMIT	45 MPH

☆ RATE: $\frac{\text{ACCIDENT} \times 1000.000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: INDIIO
 COUNTY MAP PAGE: 212A
 SUPERVISOR DISTRICT: 4

APPROVED BY: *Lawrence J. Tai*
 DATE: 8/16/2005
 LAWRENCE J. TAI, P.E.
 COUNTY TRAFFIC ENGINEER

SURVEY DATE: 1/29/2004
 MAP DATE: 8/16/2005
 DRAWN BY: R HEALY
 CAD FILE: FREDWARING.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION
 ENGINEERING AND TRAFFIC SURVEY
 AT
 FRED WARING DR

LEGEND:

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



JACKSON STREET

(#1414)

SURVEY STA 1314.1
AVE 48/AVENUE 49

ODLUM DR

CITY OF INDIO

51ST AVE

52ND AVE

50TH AVE

CITY OF INDIO

BEGIN ZONE

END ZONE

RECOMMENDED SPEED LIMIT	50 MPH
PREVAILING SPEED (85%)	52 MPH (CITY OF INDIO DATA)
VEHICLES IN 24 HR (2 WAY)	9200 (CITY OF INDIO DATA)
SEGMENT LENGTH	1.0 MILE
ALL ACCIDENTS IN 2 YRS.	1 (CITY OF INDIO DATA)
ACCIDENT RATE ☆	0.74 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE = $\frac{\text{ACCIDENT} \times 1000000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: INDIO

COUNTY MAP PAGE: 218

SUPERVISOR DISTRICT: 4

APPROVED BY:

Lawrence T. Tait
DATE: 8/16/05

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

SURVEY DATE: 1/28/2004

MAP DATE: 8/16/2005

DRAWN BY: R HEALY





CAD FILE: JACKSON.DGN

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT
JACKSON ST



LEGEND:

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

CITY OF INDIO



NO SCALE

MILES AVENUE (#1415)

SURVEY STA 1415.1
W/O ELM ST

SWINGLE ST

MIDDLE SCHOOL

PALMWOOD DR

MADISON ST

CITY OF INDIO

ELM ST

BIRCH AVE

ASH AVE

CITY OF INDIO

ELEMENTARY SCHOOL

CLINTON ST

BEGIN ZONE

END ZONE

2 SCHOOLS ON MILES AVE, SAFE ROUTE TO SCHOOL, REDUCE SPEED LIMIT TO 40 MPH

RECOMMENDED SPEED LIMIT	40 MPH
PREVAILING SPEED (85%)	48.0 MPH (CITY OF INDIO DATA)
VEHICLES IN 24 HR (2 WAY)	13000 (CITY OF INDIO DATA)
SEGMENT LENGTH	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	6 (CITY OF INDIO DATA)
ACCIDENT RATE ☆	1.26 MVM
EXISTING SPEED LIMIT	45 MPH

☆ RATE • ACCIDENT x 1000 000
VEH x 365 x 2 x MILE

COUNTY AREA: INDIO

COUNTY MAP PAGE: 212A

SUPERVISOR DISTRICT: 4

APPROVED BY:

Lawrence T. Tai
DATE: 8/16/2005

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

SURVEY DATE: 1/29/2004

MAP DATE: 8/16/2005

DRAWN BY: R HEALY

CAD FILE: MILES.DGN

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION





ENGINEERING AND TRAFFIC SURVEY
AT
MILES AVE

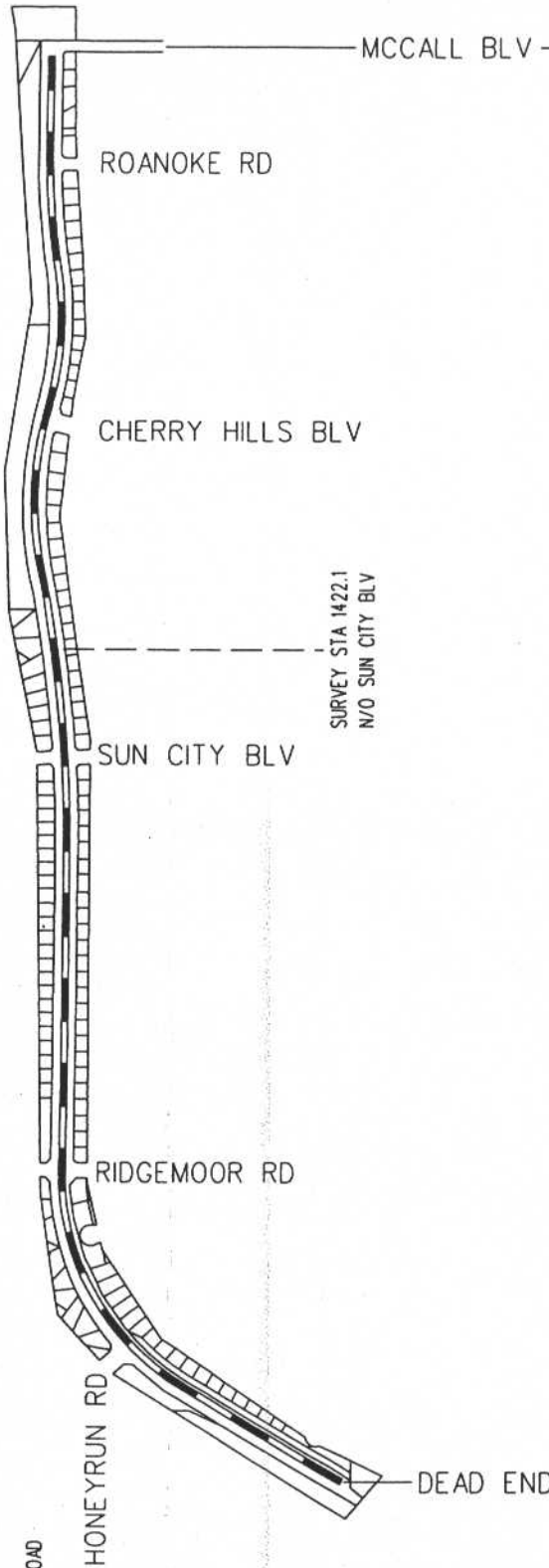


PAGE

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VALLEY BOULEVARD (#1422)

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



RECOMMENDED SPEED LIMIT	45 MPH
PREVAILING SPEED (85%)	49.3 MPH
VEHICLES IN 24 HR (2 WAY)	2570
SEGMENT LENGTH	1.4 MILE
ALL ACCIDENTS IN 2 YRS.	4
ACCIDENT RATE ☆	1.52 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE: $\frac{\text{ACCIDENT} \times 1,000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: SUN CITY

COUNTY MAP PAGE: 66, 68

SUPERVISOR DISTRICT: 3

SURVEY DATE: 12/20/2005

MAP DATE: 1/10/2006

DRAWN BY: R HEALY





CAD FILE: VALLEY BLV.DGN

APPROVED BY: *Lawrence T. Tai*

DATE: 1/11/06

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

LEGEND:

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



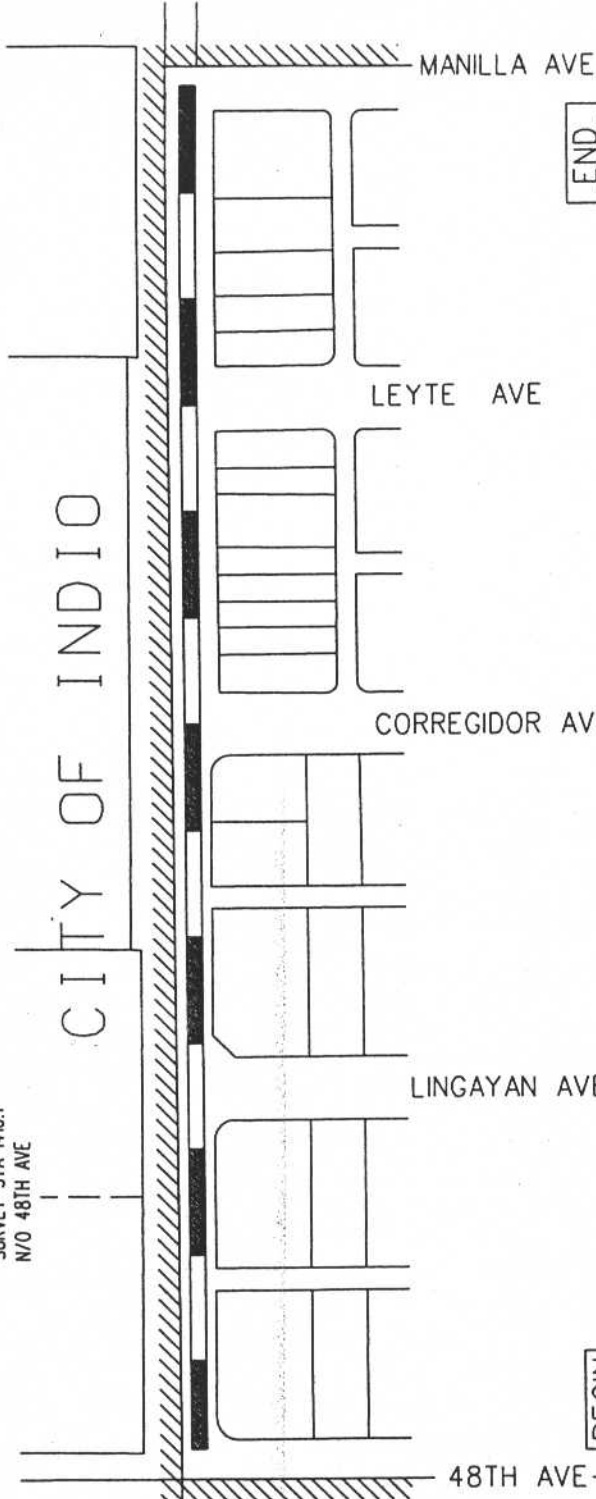
NO SCALE

VAN BUREN STREET

(#1416)

SURVEY STA 1416.1
N/O 48TH AVE

CITY OF INDIO



RESIDENTIAL DRIVEWAYS, MULTIPLE TURNING MOVEMENTS, REDUCE SPEED LIMIT TO 35 MPH

RECOMMENDED SPEED LIMIT	35 MPH
PREVAILING SPEED (85%)	40 MPH (CITY OF INDIO DATA)
VEHICLES IN 24 HR (2 WAY)	6000 (CITY OF INDIO DATA)
SEGMENT LENGTH	0.25 MILE
ALL ACCIDENTS IN 2 YRS.	1 (CITY OF INDIO DATA)
ACCIDENT RATE ☆	0.91 MVM
EXISTING SPEED LIMIT	25 MPH

☆ RATE = $\frac{\text{ACCIDENT} \times 1000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

APPROVED BY:

Lawrence T. Tai
DATE: 8/16/2005
LAWRENCE T. TAI, P.E.
COUNTY TRAFFIC ENGINEER

SURVEY DATE: 1/29/2004

MAP DATE: 8/16/2005

DRAWN BY: R HEALY

CAD FILE: VANBUREN INDIO.DGN

COUNTY AREA: INDIO

COUNTY MAP PAGE: 212

SUPERVISOR DISTRICT: 4

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT

VAN BUREN ST



PAGE

10F 1

VAN GAALE LANE (#1420)

COGNAC ST

BENTON RD

ERMITAGE LN

POMEROL LP

POMEROL LP

AULD RD

SURVEY STA 1420.1
S/O POMEROL LP

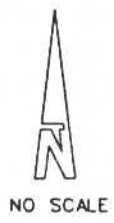
END
ZONE

BEGIN
ZONE

VARYING ROADWAY WIDTHS, W/NARROW DIRT SHOULDERS ON WEST SIDE, REDUCE SPEED LIMIT TO 45 MPH

LEGEND:

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



RECOMMENDED SPEED LIMIT	45 MPH
PREVAILING SPEED (85%)	51.2 MPH
VEHICLES IN 24 HR (2 WAY)	1980
SEGMENT LENGTH	0.5 MILE
ALL ACCIDENTS IN 2 YRS.	0
ACCIDENT RATE ☆	0.0 MVM
EXISTING SPEED LIMIT	NOT POSTED

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





COUNTY AREA: FRENCH VALLEY
 COUNTY MAP PAGE: 124
 SUPERVISOR DISTRICT: 3

APPROVED BY:
 LAWRENCE T. TAI, P.E.
 COUNTY TRAFFIC ENGINEER
 DATE: 12/2/2005

SURVEY DATE: 11/15/2005
 MAP DATE: 11/29/2005
 DRAWN BY: R HEALY
 CAD FILE: VANGAALLE.DGN

COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION
 ENGINEERING AND TRAFFIC SURVEY
 AT
 VAN GAALE LN

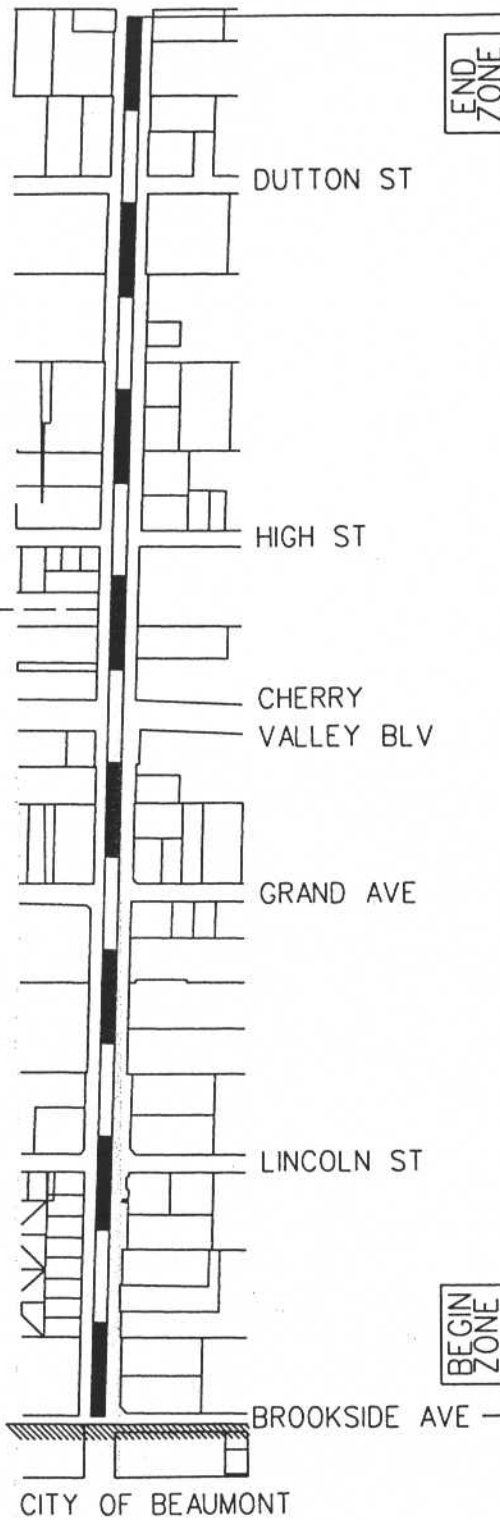
LEGEND:

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



WINESAP AVENUE (#1248)

SURVEY STA 1248.1
S/O HIGH ST



RECOMMENDED SPEED LIMIT	40 MPH
PREVAILING SPEED (85%)	43.8 MPH
VEHICLES IN 24 HR (2 WAY)	210
SEGMENT LENGTH	1.0 MILE
ALL ACCIDENTS IN 2 YRS.	2
ACCIDENT RATE ☆	13.04 MVM
EXISTING SPEED LIMIT	NOT POSTED

☆ RATE: $\frac{\text{ACCIDENT} \times 1000,000}{\text{VEH} \times 365 \times 2 \times \text{MILE}}$

COUNTY AREA: CHERRY VLY
 COUNTY MAP PAGE: 90
 SUPERVISOR DISTRICT: 5

APPROVED BY:

Lawrence T. Tai
 DATE: 12/2/2005

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

SURVEY DATE: 5/24/2005

MAP DATE: 9/13/2005

DRAWN BY: R HEALY

CAD FILE: WINESAP1.DGN





COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
 AT

WINESAP AVE



LEGEND:

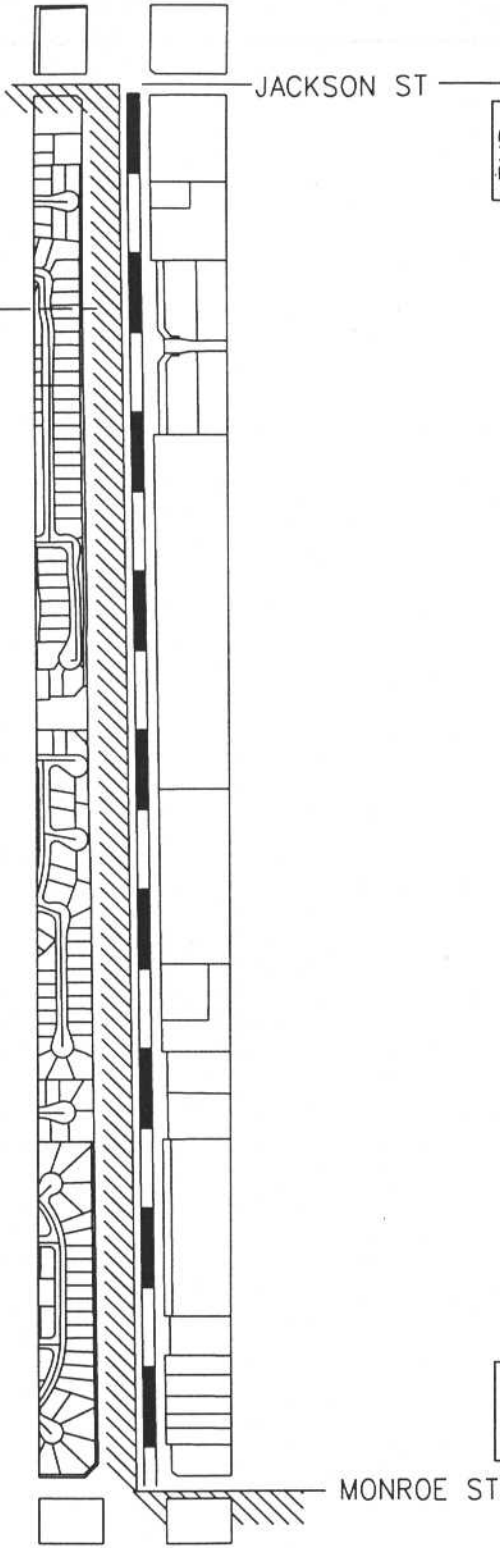
-  CITY LIMITS
-  RADAR ZONE
-  SURVEY STATION
-  OTHER STREET OR ROAD

52ND AVENUE (#1413)

CITY OF INDIO

CITY OF INDIO

SURVEY STA 1413.1
W/O JACKSON ST



NO SCALE

BEGIN ZONE

END ZONE

RECOMMENDED SPEED LIMIT	50 MPH
PREVAILING SPEED (85%)	50 MPH (CITY OF INDIO DATA)
VEHICLES IN 24 HR (2 WAY)	4750 (CITY OF INDIO DATA)
SEGMENT LENGTH	1.0 MILE
ALL ACCIDENTS IN 2 YRS.	1 (CITY OF INDIO DATA)
ACCIDENT RATE ☆	0.29 MVM
EXISTING SPEED LIMIT	50 MPH

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

COUNTY AREA: INDIO

COUNTY MAP PAGE: 218

SUPERVISOR DISTRICT: 4

APPROVED BY:

Lawrence T. Tai
DATE: 8/16/2005

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

SURVEY DATE: 1/28/2004

MAP DATE: 8/16/2005

DRAWN BY: R HEALY

CAD FILE: 52NDAVE.DGN

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
TRAFFIC ENGINEERING SECTION

ENGINEERING AND TRAFFIC SURVEY
AT

52ND AVE



PAGE

10F 1