

CITY OF INDUSTRY

CITY COUNCIL REGULAR MEETING AGENDA

JULY 12, 2018
9:00AM



Mayor Mark Mayor Radecki
Mayor Pro Tem Cory Moss
Council Member Abraham Cruz
Council Member Catherine Marcucci
Council Member Newell Ruggles

Location: City Council Chamber, 15651 East Stafford Street, City of Industry, California 91744

Addressing the City Council:

- ▶ **Agenda Items:** Members of the public may address the City Council on any matter listed on the Agenda. In order to conduct a timely meeting, there will be a three-minute time limit per person for any matter listed on the Agenda. Anyone wishing to speak to the City Council is asked to complete a Speaker's Card which can be found at the back of the room and at the podium. The completed card should be submitted to the City Clerk prior to the Agenda item being called and prior to the individual being heard by the City Council.
- ▶ **Public Comments (Non-Agenda Items):** Anyone wishing to address the City Council on an item not on the Agenda may do so during the "Public Comments" period. In order to conduct a timely meeting, there will be a three-minute time limit per person for the Public Comments portion of the Agenda. State law prohibits the City Council from taking action on a specific item unless it appears on the posted Agenda. Anyone wishing to speak to the City Council is asked to complete a Speaker's Card which can be found at the back of the room and at the podium. The completed card should be submitted to the City Clerk prior to the Agenda item being called by the City Clerk and prior to the individual being heard by the City Council.

Americans with Disabilities Act:

- ▶ In compliance with the ADA, if you need special assistance to participate in any City meeting (including assisted listening devices), please contact the City Clerk's Office (626) 333-2211. Notification of at least 48 hours prior to the meeting will assist staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting.

Agendas and other writings:

- ▶ In compliance with SB 343, staff reports and other public records permissible for disclosure related to open session agenda items are available at City Hall, 15625 East Stafford Street, Suite 100, City of Industry, California, at the office of the City Clerk during regular business hours, Monday through Thursday 8:00 a.m. to 5:00 p.m., Friday 8:00 a.m. to 4:00 p.m. Any person with a question concerning any agenda item may call the City Clerk's Office at (626) 333-2211.

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1. Call to Order
 2. Flag Salute
 3. Roll Call
 4. Public Comments

5. **CONSENT CALENDAR**

All matters listed under the Consent Calendar are considered to be routine and will be enacted by one vote. There will be no separate discussion of these items unless members of the City Council, the public, or staff request specific items be removed from the Consent Calendar for separate action.

5.1 Consideration of the Register of Demands for July 12, 2018

RECOMMENDED ACTION: Approve the Register of Demands and authorize the appropriate City Officials to pay the bills

5.2 Consideration of the minutes of the January 12, 2017 regular meeting, January 13, 2017 Joint Special Meeting of the City Council and Successor Agency to the Industry Urban-Development Agency, and January 26, 2017 regular meeting

RECOMMENDED ACTION: Approve as submitted.

5.3 Consideration of Ordinance No. 805 – AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF INDUSTRY, CALIFORNIA, AMENDING SECTION 10.40.010 OF CHAPTER 10.40 (SPEED LIMITS) OF TITLE 10 (VEHICLES AND TRAFFIC) OF THE CITY OF INDUSTRY MUNICIPAL CODE (SECOND READING)

RECOMMENDED ACTION: Adopt Ordinance No. 805.

6. **ACTION ITEMS**

6.1 Discussion and consideration of two appointments to the Civic-Recreational-Industrial Authority.

RECOMMENDED ACTION: Discuss and make the appointments to the Civic-Recreational-Industrial Authority and/or provide additional direction to staff.

7. **CITY COUNCIL COMMITTEE REPORTS**

8. **AB 1234 REPORTS**

9. **CITY COUNCIL COMMUNICATIONS**

10. **CLOSED SESSION**

10.1 CONFERENCE WITH LEGAL COUNSEL – Anticipated Litigation Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2) (1 Potential Case)

- 10.2 CONFERENCE WITH LEGAL COUNSEL -- EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Diamond Bar v. City of Industry, Successor Agency to the Industry Urban-Development Agency, Oversight Board of the Successor Agency to the Industry Urban-Development Agency; Successor Agency to the Industry Urban-Development Agency; et al.
Superior Court of California, County of Sacramento
Case No. 34-2017-80002718-CU-WM-GDS
- 10.3 CONFERENCE WITH LEGAL COUNSEL -- EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Chino Hills v. Oversight Board of the Successor Agency to the Industry Urban-Development Agency; Successor Agency to the Industry Urban-Development Agency; et al.
Superior Court of California, County of Sacramento
Case No. 34-2017-80002719-CU-WM-GDS
- 10.4 CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Diamond Bar v. City of Industry, City of Industry City Council; Successor Agency to the Industry Urban-Development Agency; Board of Directors of the Successor Agency to the Industry Urban-Development Agency; Oversight Board of the Successor Agency to the Industry Urban-Development Agency; et al.
Superior Court of California, County of Los Angeles
Case No. BS171295
- 10.5 CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Chino Hills v. City of Industry, City of Industry City Council; Successor Agency to the Industry Urban-Development Agency; Board of Directors of the Successor Agency to the Industry Urban-Development Agency; Oversight Board of the Successor Agency to the Industry Urban-Development Agency; et al.
Superior Court of California, County of Los Angeles
Case No. BS171398
- 10.6 CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Diamond Bar v. City of Industry; Successor Agency to the Industry Urban-Development Agency; Oversight Board of the Successor Agency to the Industry Urban-Development Agency; et al.
Superior Court of California, County of Los Angeles
Case No. BS173224
- 10.7 CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION
Pursuant to Government Code Section 54956.9(d)(1)
Case: City of Chino Hills v. City of Industry, *et al.*

Superior Court of California, County of Los Angeles
Case No. BS172995

11. Adjournment. The next regular City Council Meeting will be Thursday, July 26, 2018 at 9:00 a.m.

CITY COUNCIL

ITEM NO. 5.1

**CITY OF INDUSTRY
AUTHORIZATION FOR PAYMENT OF BILLS
CITY COUNCIL MEETING OF JULY 12, 2018**

FUND RECAP:

<u>FUND</u>	<u>DESCRIPTION</u>	<u>DISBURSEMENTS</u>
100	GENERAL FUND	1,725,619.16
103	PROP A FUND	7,182.35
120	CAPITAL IMPROVEMENT FUND	1,122,423.51
161	IPUC - ELECTRIC	384,740.02
TOTAL ALL FUNDS		3,239,965.04

BANK RECAP:

<u>BANK</u>	<u>NAME</u>	<u>DISBURSEMENTS</u>
BOFA	BANK OF AMERICA - CKING ACCOUNTS	84,579.39
REF	REFUSE - CKING ACCOUNT	580,110.63
WFBK	WELLS FARGO - CKING ACCOUNT	2,575,275.02
TOTAL ALL BANKS		3,239,965.04

APPROVED PER ACTING CITY MANAGER

**CITY OF INDUSTRY
BANK OF AMERICA
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITYELEC.CHK - City Electric				
1447	06/27/2018		CITY OF INDUSTRY	\$50,684.03
	Invoice	Date	Description	Amount
	06/27/18	06/27/2018	TRANSFER FUNDS-ELECTRIC	\$50,684.03
CITYGEN.CHK - City General				
1070	05/22/2018		JOHN HANCOCK USA	\$7,519.78
	Invoice	Date	Description	Amount
	APRIL 2018	05/22/2018	PARS CONTRIBUTION FOR APRIL 2018	\$7,519.78
1071	06/21/2018		MIDAMERICA ADMINISTRATIVE &	\$23,179.06
	Invoice	Date	Description	Amount
	JUL-AUG2018	06/21/2018	MEDICAL PREMIUM REIMBURSEMENTS	\$23,179.06
PROPA.CHK - Prop A Checking				
11768	06/27/2018		CITY OF INDUSTRY	\$3,196.52
	Invoice	Date	Description	Amount
	06/27/18-A	06/27/2018	TRANSFER FUNDS-PROP A A/P	\$3,196.52

**CITY OF INDUSTRY
WELLS FARGO REFUSE
July 12, 2018**

Check	Date			Payee Name	Check Amount
REFUSE - Refuse Account					
WT248	06/28/2018			CITY OF INDUSTRY DISPOSAL CO.	\$580,110.63
	Invoice	Date	Description	Amount	
	3246929	06/28/2018	REFUSE SVC 6/1-6/23/18	\$580,110.63	

Check	Status	Count	Transaction Amount
	Total	1	\$580,110.63

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69070	06/22/2018		L A COUNTY REGISTRAR-	\$75.00
	Invoice	Date	Description	Amount
	ADDENDUM-EIR	06/13/2018	FEE-NOTICE OF DETERMINATION	\$75.00
69071	06/25/2018		CALPINE ENERGY SOLUTIONS, LLC	\$53,189.56
	Invoice	Date	Description	Amount
	181660009066939	06/15/2018	WHOLESALE USE-MAY 2018	\$53,189.56
69072	06/25/2018		FRONTIER	\$641.39
	Invoice	Date	Description	Amount
	2018-00001614	06/10/2018	06/10-07/09/18 SVC - GS-747 S. ANAHEIM PUENTE RD	\$149.04
	841 7TH-JUN18	06/10/2018	06/10-07/09/18 SVC - 841 S. SEVENTH	\$101.82
	2018-00001615	06/10/2018	06/10-07/09/18 SVC - EM-21508 BAKER PKWY BLDG 22	\$51.37
	2018-00001616	06/10/2018	06/10-07/09/18 SVC - GS-21640 VALLEY BLVD	\$51.37
	2018-00001617	06/10/2018	06/10-07/09/18 SVC - EM-21808 GARCIA LN	\$66.30
	2018-00001618	06/10/2018	06/10-07/09/18 SVC - 600 BREA CYN RD	\$221.49
69073	06/25/2018		INDUSTRY PUBLIC UTILITIES	\$51,552.66
	Invoice	Date	Description	Amount
	06-20-2018	06/20/2018	REIMBURSE ELECTRIC-EDISON APRIL 2018 SOLAR	\$51,552.66
69074	06/25/2018		INDUSTRY PUBLIC UTILITIES	\$41,764.58
	Invoice	Date	Description	Amount
	6/20/2018	06/20/2018	REIMBURSE ELECTRIC-EDISON MARCH 2018 SOLAR	\$41,764.58
69075	06/25/2018		SO CALIFORNIA EDISON COMPANY	\$2,224.70
	Invoice	Date	Description	Amount
	2018-00001620	06/12/2018	05/10-06/11/18 SVC - 575 BALDWIN PARK BLVD U	\$70.49

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	2018-00001621	06/13/2018	05/11-06/12/18 SVC - 490 7TH U	\$60.37
	2018-00001623	06/16/2018	05/16-06/15/18 SVC - 17635 GALE	\$1,342.03
	2018-00001624	06/16/2018	05/16-06/15/18 SVC - 1341 FULLERTON RD	\$24.37
	2018-00001626	06/12/2018	04/13-06/07/18 SVC - VALLEY BLVD U-VARIOUS SITES	\$727.44
69076	06/25/2018		SO CALIFORNIA EDISON COMPANY	\$89.98
	Invoice	Date	Description	Amount
	2018-00001622	06/16/2018	05/16-06/15/18 SVC - 19001 TONNER CYN RD	\$89.98
69077	06/25/2018		SOCALGAS	\$50.00
	Invoice	Date	Description	Amount
	2018-00001625	06/11/2018	05/01-06/01/18 SVC - 1 INDUSTRY HILLS PKWY UNIT B	\$50.00
69078	06/25/2018		WALNUT VALLEY WATER DISTRICT	\$8,817.86
	Invoice	Date	Description	Amount
	3021785	06/12/2018	05/01-05/31/18 SVC - IRR 820 FAIRWAY DR	\$86.38
	3021837	06/12/2018	05/01-05/31/18 SVC - LEMON AVE N OF CURRIER RD	\$77.11
	3021871	06/12/2018	05/01-05/31/18 SVC - BREA CYN RD & OLD RANCH RD	\$53.84
	3021887	06/12/2018	05/01-05/31/18 SVC - FERRERO & GRAND EAST RAMP	\$689.61
	3021905	06/12/2018	05/01-05/31/18 SVC - BAKER PKWY METER #1	\$540.71
	3021906	06/12/2018	05/01-05/31/18 SVC - BAKER PKWY METER #2	\$338.52
	3021912	06/12/2018	05/01-05/31/18 SVC - GRAND AVE CROSSING	\$507.13
	3021913	06/12/2018	05/01-05/31/18 SVC - GRAND AVE CROSSING	\$77.73
	3021915	06/12/2018	05/01-05/31/18 SVC - 22002 VALLEY BLVD	\$141.55
	3021932	06/12/2018	05/01-05/31/18 SVC - 21350 VALLEY-MEDIAN	\$295.49
	3021933	06/12/2018	05/01-05/31/18 SVC - GRAND CROSSING EAST	\$55.63
	3021934	06/12/2018	05/01-05/31/18 SVC - GRAND CROSSING WEST	\$59.21
	3021935	06/12/2018	05/01-05/31/18 SVC - BAKER PKWY & GRAND NW CNR	\$974.22
	3021942	06/12/2018	05/01-05/31/18 SVC - E/S GRAND S/O BAKER PKWY	\$161.56
	3021948	06/12/2018	05/01-05/31/18 SVC - BREA CYN N OF RR TRKS	\$275.97

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	3021949	06/12/2018	05/01-05/31/18 SVC - BREA CYN N OF CURRIER	\$45.06
	3021951	06/12/2018	05/01-05/31/18 SVC - 60 FWY INTERCHANGE FAIRWAY	\$20.00
	3021969	06/12/2018	05/01-05/31/18 SVC - END OF BAKER PKWY-TEMP	\$3,832.99
	3021976	06/12/2018	05/01-05/31/18 SVC - 21627 GRAND CROSSING PKWY	\$247.78
	3021977	06/12/2018	05/01-05/31/18 SVC - 21627 GRAND CROSSING PKWY	\$229.20
	3022680	06/13/2018	04/30-05/31/18 SVC - PUMP STN CHERYL LN/MAYO	\$25.20
	3022700	06/13/2018	05/01-05/31/18 SVC - PUMP STN BREA CYN	\$23.44
	3022926	06/13/2018	05/01-05/31/18 SVC - NOGALES PUMP STN	\$59.53
69079	06/25/2018		WALNUT VALLEY WATER DISTRICT	\$307.16
	Invoice	Date	Description	Amount
	3021757	06/12/2018	05/01-05/31/18 SVC - IRR METROLINK STA-SPANISH	\$287.16
	3022699	06/13/2018	05/01-05/31/18 SVC - PLATFORM METROLINK BREA	\$20.00
69080	06/26/2018		JANE G. PISANO	\$5,564.39
	Invoice	Date	Description	Amount
	FINAL	04/09/2018	ANALYSIS OF OPERATION (FINAL)-HOMESTEAD	\$5,564.39
69081	06/26/2018		KAREN WISE	\$14,838.65
	Invoice	Date	Description	Amount
	FINAL	04/09/2018	ANALYSIS OF OPERATION (FINAL)-HOMESTEAD	\$14,838.65
69082	06/26/2018		SHELL ENERGY NORTH AMERICA-US	\$102,116.00
	Invoice	Date	Description	Amount
	2011342	06/04/2018	WHOLESALE USE-MAY 2018	\$83,616.00
	2011343	06/04/2018	CAPACITY FOR MAY 2018	\$18,500.00
69083	06/27/2018		CITY OF INDUSTRY-PETTY CASH	\$1,124.41

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	Invoice	Date	Description	Amount
	06/27/2018	06/27/2018	REIMBURSE PETTY CASH FOR PERIOD 10/26/17-	\$1,124.41
69084	07/02/2018		AT & T	\$345.93
	Invoice	Date	Description	Amount
	2018-00001645	06/17/2018	06/17-07/16/18 SVC - TONNER-RADIO	\$182.57
	2018-00001646	06/17/2018	06/17-07/16/18 SVC - TONNER-GUARD SHACK	\$163.36
69085	07/02/2018		CITY OF CHINO HILL UTILITY	\$341.50
	Invoice	Date	Description	Amount
	2018-00001659	06/18/2018	5/15-6/14/18 SVC-1550 RANCHO HILLS DR	\$341.50
69086	07/02/2018		FRONTIER	\$500.45
	Invoice	Date	Description	Amount
	2018-00001648	06/16/2018	06/16-07/15/18 SVC - PH AUTO PLAZA	\$169.77
	2018-00001649	06/16/2018	06/16-07/15/18 SVC - GS-208 OLD RANCH RD	\$49.02
	2018-00001650	06/16/2018	06/16-07/15/18 SVC - BREA CYN PUMP STN	\$68.99
	2018-00001651	06/19/2018	06/19-07/18/18 SVC - FOLLOW'S CAMP GUARD	\$65.88
	2018-00001652	06/19/2018	06/19-07/18/18 SVC - EM-21438 BAKER PKWY BLDG 25	\$51.37
	2018-00001653	06/19/2018	06/19-07/18/18 SVC - EM-21415 BAKER PKWY	\$51.37
	2018-00001654	06/19/2018	06/19-07/18/18 SVC - GS-21660 VALLEY BLVD	\$44.05
69087	07/02/2018		HUMANA INSURANCE COMPANY	\$5,181.36
	Invoice	Date	Description	Amount
	389690358	06/13/2018	DENTAL PREMIUM FOR JULY 2018	\$5,181.36

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69088	07/02/2018		INDUSTRY PUBLIC UTILITY	\$3,726.34
	Invoice	Date	Description	Amount
	2018-00001657	06/15/2018	5/10-6/10/18 SVC-370 GRAND AVE SOUTH	\$75.42
	2018-00001658	06/15/2018	5/10-6/10/18 SVC-600 BREA CYN RD	\$3,650.92
69089	07/02/2018		MUTUAL OF OMAHA	\$5,839.53
	Invoice	Date	Description	Amount
	746426830	07/01/2018	LIFE INSURANCE PREMIUM FOR JULY 2018	\$5,839.53
69090	07/02/2018		SAN GABRIEL VALLEY WATER CO.	\$960.33
	Invoice	Date	Description	Amount
	2018-00001660	06/18/2018	5/15-6/15/18 SVC-14329 VALLEY	\$740.37
	2018-00001661	06/19/2018	5/16-6/18/18 SVC-336 EL ENCANTO	\$16.41
	2018-00001662	06/20/2018	5/17-6/19/18 SVC-841 S SEVENTH	\$203.55
69091	07/02/2018		SO CALIFORNIA EDISON COMPANY	\$58,738.39
	Invoice	Date	Description	Amount
	2018-00001629	06/19/2018	05/16-06/15/18 SVC - PECK RD S/O PELLISSIER	\$53.80
	841 7TH-JUN18	06/19/2018	05/16-06/15/18 SVC - 841 7TH AVE	\$856.38
	2018-00001630	06/19/2018	05/16-06/15/18 SVC - VARIOUS SITES	\$49.51
	2018-00001631	06/19/2018	05/11-06/15/18 SVC - VARIOUS SITES	\$2,071.97
	2018-00001632	06/19/2018	05/17-06/18/18 SVC - 900 NOGALES U	\$53.15
	2018-00001633	06/19/2018	05/16-06/15/18 SVC - VARIOUS SITES	\$6,790.07
	2018-00001634	06/19/2018	11/09/17-06/01/18 SVC - VARIOUS SITES	\$37,840.64
	2018-00001635	06/19/2018	05/01-06/01/18 SVC - VARIOUS SITES	\$4,217.03
	2018-00001636	06/19/2018	05/16-06/15/18 SVC - VARIOUS SITES	\$3,119.91

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	2018-00001637	06/19/2018	04/27-06/15/18 SVC - VARIOUS SITES	\$2,513.63
	2018-00001638	06/21/2018	05/21-06/20/18 SVC - 14661 & 14911 CLARK AVE U	\$97.23
	2018-00001639	06/21/2018	05/21-06/20/18 SVC - 1015 NOGALES ST	\$953.66
	2018-00001640	06/22/2018	05/22-06/21/18 SVC - 21380 VALLEY PED	\$24.18
	2018-00001641	06/22/2018	05/22-06/21/18 SVC - 1007 LAWSON ST TC1	\$47.36
	2018-00001642	06/22/2018	05/22-06/21/18 SVC - 580 BREA CYN RD	\$24.83
	2018-00001643	06/22/2018	05/22-06/21/18 SVC - 575 BREA CYN RD	\$25.04
69092	07/02/2018		SO CALIFORNIA EDISON COMPANY	\$39.84
	Invoice	Date	Description	Amount
	2018-00001644	06/23/2018	05/23-06/22/18 SVC - 5010 ENGLISH RD	\$39.84
69093	07/02/2018		SO CALIFORNIA EDISON COMPANY	\$11,436.04
	Invoice	Date	Description	Amount
	7500897908	06/15/2018	05/01-05/31/18 SVC - 208 S. WADDINGHAM WAY	\$8,266.71
	7500897907	06/15/2018	05/01-05/31/18 SVC - 133 N. AZUSA AVE	\$1,860.71
	7500897897	06/15/2018	05/01-05/31/18 SVC - 745 ANAHEIM-PUENTE RD	\$1,027.46
	7500898332	06/19/2018	03/01-03/31/18 SVC - RELIABILITY SVC	\$281.16
69094	07/02/2018		SO CALIFORNIA EDISON COMPANY	\$171.89
	Invoice	Date	Description	Amount
	2018-00001628	06/19/2018	04/23-05/22/18 SVC - 600 S BREA CYN RD B	\$171.89
69095	07/02/2018		SOCALGAS	\$89.20
	Invoice	Date	Description	Amount
	2018-00001663	06/21/2018	5/14-6/13/18 SVC-610 S BREA CYN RD	\$14.79

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	2018-00001664	06/22/2018	5/21-6/20/18 SVC-15415 DON JULIAN RD	\$74.41
69096	07/02/2018		SUBURBAN WATER SYSTEMS	\$45.11
	Invoice	Date	Description	Amount
	180051068609	06/21/2018	5/22-6/21/18 SVC-205 HUDSON AVE	\$45.11
69097	07/02/2018		UNUM LIFE INSURANCE COMPANY	\$5,229.60
	Invoice	Date	Description	Amount
	7/1-7/31/18	06/18/2018	LONG TERM CARE PREMIUM FOR JULY 2018	\$5,229.60
69098	07/02/2018		FIDELITY SECURITY LIFE	\$1,191.91
	Invoice	Date	Description	Amount
	163556848	07/01/2018	VISION PREMIUM FOR JULY 2018	\$1,191.91
69099	07/02/2018		SUBURBAN WATER SYSTEMS	\$654.38
	Invoice	Date	Description	Amount
	180021433454	06/22/2018	5/23-6/22/18 SVC-AZUSA & GEMINI	\$654.38
69100	07/12/2018		APPLIED METERING TECHNOLOGIES	\$5,910.00
	Invoice	Date	Description	Amount
	5939	05/30/2018	UTILITY OPERATIONS/MAINT-MAY 2018	\$3,255.00
	5954	06/27/2018	UTILITY OPERATIONS/MAINT-JUN 2018	\$2,655.00
69101	07/12/2018		CALIF MUNICIPAL UTILITIES	\$4,369.00
	Invoice	Date	Description	Amount
	18-0117	06/11/2018	MEMBERSHIP DUES FY 18/19	\$4,369.00

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check	Amount
CITY.WF.CHK - City General Wells Fargo					
69102	07/12/2018		CALIFORNIA CONTRACT CITIES		\$5,090.00
	Invoice	Date	Description	Amount	
	2382	07/01/2018	ANNUAL DUES FY 2018-2019	\$5,090.00	
69103	07/12/2018		CASC ENGINEERING AND		\$8,972.52
	Invoice	Date	Description	Amount	
	0039320	05/31/2018	INITIAL STUDY-13031 TEMPLE AVE	\$2,377.52	
	39231	05/31/2018	NPDES CONSULTING SVC-COI	\$6,595.00	
69104	07/12/2018		CDW GOVERNMENT LLC		\$9,490.00
	Invoice	Date	Description	Amount	
	NBV4446	06/14/2018	CLOUD RETENTION-SUBSCRIPTION LICENSE FOR 1	\$9,490.00	
69105	07/12/2018		CHEM PRO LABORATORY, INC		\$283.00
	Invoice	Date	Description	Amount	
	635038	05/23/2018	WATER TREATMENT-MAY 2018	\$283.00	
69106	07/12/2018		CINTAS CORPORATION LOC 693		\$651.92
	Invoice	Date	Description	Amount	
	053248468	05/21/2018	DOOR MATS	\$270.36	
	053261895	06/18/2018	DOOR MATS	\$270.36	
	693121753	06/25/2018	DOOR MATS	\$55.60	
	693119751	06/18/2018	DOOR MATS	\$55.60	
69107	07/12/2018		CITY OF FOSTER CITY		\$3,500.00
	Invoice	Date	Description	Amount	

**CITY OF INDUSTRY
WELLS FARGO BANK
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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	11969	07/01/2018	CALOPPS ANNUAL FEE 7/1/18-6/30/19	\$3,500.00
69108	07/12/2018		CITY OF INDUSTRY-PAYROLL ACCT	\$100,000.00
	Invoice	Date	Description	Amount
	P/R PE 6/29/18	07/02/2018	REIMBURSE PAYROLL PE 6/29/18	\$100,000.00
69109	07/12/2018		CIVILTEC ENGINEERING, INC	\$19,460.00
	Invoice	Date	Description	Amount
	39035	06/12/2018	SEPARATION PUMP STN UPGRADE	\$19,460.00
69110	07/12/2018		CNC ENGINEERING	\$106,713.75
	Invoice	Date	Description	Amount
	456964	06/28/2018	CITY STREET LIGHT PURCHASE	\$740.00
	456965	06/28/2018	CITY ELECTRICAL FACILITIES	\$30,465.00
	456967	06/28/2018	ELECTRICAL VEHICLE CHARGING STATION	\$280.00
	456968	06/28/2018	RESURFACING DESIGN EXPO CENTER PARKING LOT	\$15,052.50
	456969	06/28/2018	EXPO CENTER MAIN GATE IMPROVEMENTS	\$95.00
	456972	06/28/2018	INDUSTRY HILLS TRAIL GRADING RESTORATION	\$917.50
	456973	06/28/2018	INDUSTRY HILLS TRAIL GRADING RESTORATION	\$182.50
	456974	06/28/2018	INDUSTRY HILLS TRAILS LIGHTING	\$740.00
	456975	06/28/2018	INDUSTRY HILLS GRAND ARENA PAINTING	\$555.00
	456977	06/28/2018	SEWER DESIGN-EXPO CENTER	\$3,161.25
	456994	06/28/2018	TRES HERMANOS GENERAL ENGINEERING	\$3,345.00
	456995	06/28/2018	HOMESTEAD MUSEUM IMPROVEMENTS	\$1,815.00
	456996	06/28/2018	METROLINK OPERATION/MAINT-PARKING LOT SOLAR	\$1,605.00
	456997	06/28/2018	TRAFFIC SIGNAL-NELSON & SUNSET AVE	\$1,480.00

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Number	Date	Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo			
456998	06/28/2018	PACIFIC PALMS LAUNDRY BLDG	\$435.00
456999	06/28/2018	SIXTH AVE RECONSTRUCTION	\$925.00
457000	06/28/2018	HIGHWAY BRIDGE PROGRAM	\$277.50
457001	06/28/2018	FISCAL YEAR BUDGET	\$7,587.50
457002	06/28/2018	BIXBY DR PCC PAVEMENT	\$1,817.50
457003	06/28/2018	VARIOUS ASSIGNMENTS RELATED TO SA	\$6,256.25
457004	06/28/2018	BONELLI ST RESURFACING	\$870.00
457005	06/28/2018	CITY MAINT LANDSCAPE AREAS-ATLAS	\$1,740.00
457006	06/28/2018	TARGET SPEED SURVEY	\$370.00
457007	06/28/2018	VALLEY BLVD RECONSTRUCTION	\$832.50
457008	06/28/2018	CARTEGRAPH IMPLEMENTATION & MGMT	\$10,850.00
457009	06/28/2018	LOUDEN LANE RESURFACING	\$500.00
457010	06/28/2018	COINER CT RECONSTRUCTION	\$250.00
457011	06/28/2018	BUSINESS ADDRESS INDEX	\$1,500.00
457012	06/28/2018	FULLERTON RD GRADE SEPARATION	\$4,312.50
457013	06/28/2018	ALAMEDA CORRIDOR EAST RELATED PROJECTS	\$1,601.25
457014	06/28/2018	FAIRWAY DR GRADE SEPARATION	\$370.00
457015	06/28/2018	TURNBULL CYN GRADE SEPARATION	\$3,565.00
456966	06/28/2018	EMERGENCY STANDBY POWER GENERATOR	\$2,220.00
69111	07/12/2018	CNC ENGINEERING	\$79,137.50
Invoice	Date	Description	Amount
456970	06/28/2018	EL ENCANTO PARKING ELECTRICAL REPAIRS	\$95.00
456971	06/28/2018	HATCHER YARD FACILITY DEMO	\$165.00
456976	06/28/2018	CATCH BASIN RETROFITS PHASE 2	\$5,767.50
456978	06/28/2018	GENERAL ENGINEERING-TRAFFIC	\$3,677.50

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
456979	06/28/2018		GENERAL ENGINEERING-PERMITS	\$2,287.50
456980	06/28/2018		GENERAL ENGINEERING-COUNTER SVC	\$3,812.50
456981	06/28/2018		WALNUT DR SOUTH WIDENING	\$4,042.50
456982	06/28/2018		ARENTH AVE RECONSTRUCTION	\$587.50
456983	06/28/2018		RESURFACING OF DON JULIAN RD	\$3,405.00
456984	06/28/2018		CITYWIDE CATCH BASIN RETROFIT	\$660.00
456985	06/28/2018		CURB AND PAVEMENT MARKINGS	\$631.25
456986	06/28/2018		AJAX AVE STORM DRAIN	\$555.00
456987	06/28/2018		205 HUDSON AVE BLDG IMPROVEMENT	\$1,440.00
456988	06/28/2018		BALDWIN PK BLVD & AMAR RD GUARDRAIL	\$47.50
456989	06/28/2018		GENERAL ENGINEERING 6/11-6/24/18	\$48,217.50
456991	06/28/2018		NPDES STORM WATER	\$2,116.25
456992	06/28/2018		TONNER CYN PROPERTY	\$1,512.50
456993	06/28/2018		PUENTE VALLEY OPERABLE UNIT	\$117.50
69112	07/12/2018		CORELOGIC INFORMATION	\$192.50
	Invoice	Date	Description	Amount
	81896255	05/31/2018	GEOGRAPHIC PKG-MAY 2018	\$192.50
69113	07/12/2018		COUNTY OF LA DEPT OF PUBLIC	\$39,919.87
	Invoice	Date	Description	Amount
	PW-18061107327	06/11/2018	TRAFFIC SIGNAL MAINT	\$1,385.88
	PW-18061107326	06/11/2018	TRAFFIC SIGNAL MAINT	\$15,211.74
	PW-18061107089	06/11/2018	LITTER/DEBRIS REMOVAL	\$2,228.54
	PW-18061107124	06/11/2018	TRAFFIC SIGNAL INSPECTION	\$1,462.40
	PW-18061107104	06/11/2018	TRAFFIC SIGNING	\$44.82

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	PW-18061107091	06/11/2018	EMERGENCY ROAD SVC	\$2,650.51
	PW-18061107090	06/11/2018	CONCRETE REPAIRS	\$665.60
	PW-18061107092	06/11/2018	STORM DRAIN MAINT	\$816.66
	PW-18061107093	06/11/2018	INSPECTION OF SIDEWALK, CURB, & GUTTER	\$7,647.38
	PW-18061107094	06/11/2018	PAVEMENT PATCHING	\$1,349.92
	PW-18061107095	06/11/2018	STREET INSPECTION	\$3,682.56
	PW-18061107082	06/11/2018	CITYWIDE CATCH BASIN RETROFIT	\$2,264.61
	PW-18061107163	06/11/2018	REVIEW SIGNAL TIMING SHEET	\$509.25
69114	07/12/2018		COUNTY OF ORANGE	\$1,798.03
	Invoice	Date	Description	Amount
	6/27/18	06/27/2018	MAP PROCESSING AND FEES-TONNER CYN	\$1,798.03
69115	07/12/2018		CSI SERVICES, INC.	\$1,000.00
	Invoice	Date	Description	Amount
	8266	06/20/2018	PAINT INSPECTION-INDUSTRY HILLS GRAND ARENA	\$1,000.00
69116	07/12/2018		DEPT OF ANIMAL CARE & CONTROL	\$4,049.86
	Invoice	Date	Description	Amount
	06/15/18	06/15/2018	SHELTER COST-MAY 2018	\$4,049.86
69117	07/12/2018		DEPT OF TRANSPORTATION	\$477,280.24
	Invoice	Date	Description	Amount
	18009060	06/15/2018	COOP 4959, WB SR60 ON-RAMP	\$477,280.24
69118	07/12/2018		DEPT OF TRANSPORTATION	\$366,477.18

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	Invoice	Date	Description	Amount
	18009059	06/15/2018	COOP 5033, GRAND AVE OFF-RAMP 57/60	\$366,477.18
69119	07/12/2018		DONALD L. MOORE	\$305.00
	Invoice	Date	Description	Amount
	6/22/2018	06/22/2018	REFUND-CITATION #ID137086	\$305.00
69120	07/12/2018		DUGAN, STEVEN	\$31.90
	Invoice	Date	Description	Amount
	06/27/18	06/27/2018	REIMBURSE FOR MILEAGE-HOMESTEAD	\$31.90
69121	07/12/2018		EMERSON CONSULTING GROUP,	\$11,000.00
	Invoice	Date	Description	Amount
	18-1001	06/28/2018	ECONOMIC ANALYSIS SVC	\$11,000.00
69122	07/12/2018		ENCO UTILITY SERVICES	\$2,500.00
	Invoice	Date	Description	Amount
	20-3-03-42	06/11/2018	CUSTOMER ACCOUNT SVC-MAY 2018	\$2,500.00
69123	07/12/2018		ENVIROCHECK, INC	\$795.00
	Invoice	Date	Description	Amount
	155091	05/25/2018	MICROBIOLOGICAL INSPECTION-TRES HERMANOS	\$795.00
69124	07/12/2018		ERNEST MILLER	\$134.29
	Invoice	Date	Description	Amount
	PPEM13	06/18/2018	SUPPLIES FOR WORKSHOP ON 6/16/18	\$134.29

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69125	07/12/2018		GATEWAY CITIES COUNCIL OF	\$20,000.00
	Invoice	Date	Description	Amount
	FY 2018/2019	06/14/2018	PARTICIPATION IN 91/605/405 MAJOR CORRIDOR	\$20,000.00
69126	07/12/2018		GATEWAY CITIES COUNCIL OF	\$14,700.00
	Invoice	Date	Description	Amount
	FY 18/19	06/13/2018	ANNUAL MEMBERSHIP DUES FY 18/19	\$14,700.00
69127	07/12/2018		GOLDEN GATE CONSTRUCTION	\$16,359.00
	Invoice	Date	Description	Amount
	#3CITY-1441	07/01/2018	PHASE 1 HUDSON (YAL) BLDG TENANT	\$17,220.00
69128	07/12/2018		GONSALVES & SON, JOE A.	\$10,045.00
	Invoice	Date	Description	Amount
	156646	06/28/2018	LEGISLATIVE SVC-JUN 2018	\$10,045.00
69129	07/12/2018		GREATER LOS ANGELES AREA	\$2,306.17
	Invoice	Date	Description	Amount
	#5/2018	05/31/2018	TONNER CYN WATER CHARGES-MAY 2018	\$2,306.17
69130	07/12/2018		HISTORICAL RESOURCES, INC.	\$68,543.51
	Invoice	Date	Description	Amount
	06/27/18-B	06/27/2018	REIMBURSEMENT FOR F & M CREDIT CARD	\$3,197.58
	06/27/18-A	06/27/2018	REIMBURSEMENT FOR OFFICE SUPPLIES	\$197.09
	06/27/18	06/27/2018	AGRMT REIMBURSEMENT FOR JUNE 2018	\$64,348.84
	06/28/18	06/28/2018	REIMBURSEMENT FOR RESTORATION OF DOOR-	\$800.00

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Number	Date			Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo					
69131	07/12/2018			HUNDLEY, LEONARD	\$100.00
	Invoice	Date	Description	Amount	
	062518	06/25/2018	FIRST AID TRAINING-HOMESTEAD	\$100.00	
69132	07/12/2018			INDUSTRY MANUFACTURERS	\$109,491.93
	Invoice	Date	Description	Amount	
	MARCH 2018	06/21/2018	EXPENSE REIMBURSEMENT-MAR 2018	\$71,004.38	
	APRIL 2018	06/28/2018	EXPENSE REIMBURSEMENT-APR 2018	\$38,487.55	
69133	07/12/2018			INDUSTRY SECURITY SERVICES	\$36,769.75
	Invoice	Date	Description	Amount	
	14-22684	06/22/2018	SECURITY SVC 6/15-6/21/18	\$16,095.58	
	14-22668	06/15/2018	SECURITY SVC 6/8-6/14/18	\$16,074.56	
	14-22679	06/15/2018	VEHICLE FUEL-TRES HERMANOS	\$225.37	
	14-22676	06/15/2018	SECURITY SVC-TRES HERMANOS	\$2,187.12	
	14-22692	06/22/2018	SECURITY SVC-TRES HERMANOS	\$2,187.12	
69134	07/12/2018			INDUSTRY SECURITY SERVICES	\$3,506.78
	Invoice	Date	Description	Amount	
	14-22677	06/15/2018	SECURITY SVC-METROLINK	\$1,777.05	
	14-22693	06/22/2018	SECURITY SVC-METROLINK	\$1,729.73	
69135	07/12/2018			INDUSTRY TIRE SERVICE	\$1,761.87
	Invoice	Date	Description	Amount	
	0282435	06/21/2018	TIRE REPAIR-LIC 7C21316	\$25.00	

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	0282172	06/12/2018	NEW TIRES (4) FOR BACKHOE	\$1,736.87
69136	07/12/2018		JANUS PEST MANAGEMENT	\$11,768.00
	Invoice	Date	Description	Amount
	198958	05/16/2018	PEST SVC-TONNER CYN (MASTER BUNKHOUSE)	\$102.00
	198959	05/16/2018	PEST SVC-TONNER CYN (CAMP COURAGE)	\$122.00
	198963	05/16/2018	PEST SVC-TONNER CYN (RESTROOM & SHOWER)	\$75.00
	198405	05/16/2018	PEST SVC-TONNER CYN (GUARD SHACK)	\$125.00
	199197	05/16/2018	PEST SVC-TONNER CYN (RESTROOM & SHOWER)	\$75.00
	199077	05/25/2018	PEST SVC-TONNER CYN (INSTALL RODENT DEVICES)	\$240.00
	199073	05/28/2018	PEST SVC-TONNER CYN (INSTALL RODENT DEVICES)	\$142.00
	199075	05/28/2018	PEST SVC-TONNER CYN (INSTALL RODENT DEVICES)	\$142.00
	199987	05/31/2018	PEST SVC-TONNER CYN (INSTALL RODENT DEVICES)	\$142.00
	199910	05/31/2018	PEST SVC-TONNER CYN (INSTALL RODENT DEVICES)	\$142.00
	199201	05/31/2018	RODENT CLEANUP-TONNER CYN	\$3,400.00
	199006	05/02/2018	PEST SVC-OLD BREA CYN RD	\$168.00
	199007	05/17/2018	PEST SVC-OLD BREA CYN RD	\$168.00
	198977	05/11/2018	PEST SVC-15559 RAUSCH RD	\$85.00
	198976	05/11/2018	PEST SVC-15660 STAFFORD AT	\$85.00
	198974	05/11/2018	PEST SVC-CITY HALL	\$145.00
	198888	05/16/2018	PEST SVC-TRES HERMANOS	\$125.00
	199161	05/25/2018	RODENT INITIAL SVC-TRES HERMANOS	\$5,900.00
	198975	05/11/2018	PEST SVC-IMC	\$145.00
	199078	05/25/2018	PEST SVC-TONNER CYN	\$240.00
69137	07/12/2018		JAY COOK	\$235.52
	Invoice	Date	Description	Amount
	06/07/18	06/07/2018	BUILDING PERMIT REFUND-720 S. SEVENTH	\$235.52
69138	07/12/2018		KAPUTLI D. JENKINS	\$55.00

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	Invoice	Date	Description	Amount
	06/22/2018	06/22/2018	REFUND-CITATION #ID141849	\$55.00
69139	07/12/2018		KLINE'S PLUMBING, INC.	\$490.00
	Invoice	Date	Description	Amount
	10771	06/13/2018	EMERGENCY REPAIR-CITY HALL	\$315.00
	10776	06/20/2018	EMERGENCY REPAIR-205 HUDSON AVE	\$175.00
69140	07/12/2018		L A COUNTY DEPT OF PUBLIC	\$11,468.97
	Invoice	Date	Description	Amount
	IN180000954	06/07/2018	ACCIDENT-CALIFORNIA @ NELSON AVE	\$4,114.46
	IN180000955	06/07/2018	ACCIDENT-AZUSA @ VALLEY BLVD	\$292.65
	IN180001066	06/21/2018	ACCIDENT-AZUSA @ SALAIS ST	\$345.24
	IN180001059	06/21/2018	ACCIDENT-CALIFORNIA @ NELSON AVE	\$1,038.63
	IN180001072	06/21/2018	ACCIDENT-GALE @ THE PLAZA	\$4,529.93
	IN180001064	06/21/2018	ACCIDENT-TEMPLE @ VINELAND AVE	\$1,148.06
69141	07/12/2018		L A COUNTY DEPT OF PUBLIC	\$54,938.81
	Invoice	Date	Description	Amount
	IN180000981	06/18/2018	BLDG & SAFETY SVC-ONE STOP SHOP FOR APR 2018	\$54,938.81
69142	07/12/2018		LA PUENTE VALLEY COUNTY	\$285.58
	Invoice	Date	Description	Amount
	BS;06/18	06/20/2018	WSATER MONITORING-BOY SCOUTS RESERVOIR	\$285.58
69143	07/12/2018		LEAGUE OF CALIFORNIA CITIES	\$1,092.00
	Invoice	Date	Description	Amount

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CITY.WF.CHK - City General Wells Fargo					
	3619	06/05/2018	MEMBERSHIP DUES FY 2018-2019		\$1,092.00
69144	07/12/2018		LEGEND PUMP AND WELL SERVICE,		\$784.00
	Invoice	Date	Description	Amount	
	54828	05/30/2018	PREVENTIVE MAINT-BAKER SLOPES	\$784.00	
69145	07/12/2018		LOCKE LORD LLP		\$77,107.98
	Invoice	Date	Description	Amount	
	1419162	06/12/2018	LEGAL SVC-MAY 2018	\$77,107.98	
69146	07/12/2018		LOS ANGELES COUNTY		\$1,855.00
	Invoice	Date	Description	Amount	
	06/27/18	06/27/2018	APPLICATION FEE FOR CERT OF COMPLIANCE-	\$1,855.00	
69147	07/12/2018		MAILFINANCE INC.		\$1,906.16
	Invoice	Date	Description	Amount	
	N7187086	06/09/2018	MAIL EQUIPMENT RENTAL 7/11-10/10/18	\$1,906.16	
69148	07/12/2018		MERRITT'S ACE HARDWARE		\$373.70
	Invoice	Date	Description	Amount	
	106176	06/26/2018	MISC SUPPLIES-HOMESTEAD	\$197.07	
	106175	06/26/2018	MISC SUPPLIES-HOMESTEAD	\$176.63	
69149	07/12/2018		MISAC		\$130.00
	Invoice	Date	Description	Amount	
	300002430	06/20/2018	MEMBERSHIP DUES FY 18/19-DOC	\$130.00	

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69150	07/12/2018		MR PLANT & INTERIOR BOTANICAL	\$720.00
	Invoice	Date	Description	Amount
	JULY 9237	07/01/2018	PLANT MAINT-JUL 2018	\$720.00
69151	07/12/2018		MUNI-ENVIRONMENTAL, LLC	\$30,338.29
	Invoice	Date	Description	Amount
	18-022	06/19/2018	COMMERCIAL WASTE PROGRAM 5/16-6/15/18	\$30,338.29
69152	07/12/2018		MX GRAPHICS, INC.	\$6.84
	Invoice	Date	Description	Amount
	15533	06/05/2018	SIGNS FOR FUEL STATION	\$6.84
69153	07/12/2018		NHA ADVISORS, LLC	\$3,185.42
	Invoice	Date	Description	Amount
	00072	06/21/2018	FINANCIAL ADVISOR SVC-APR THRU JUN 2018	\$3,185.42
69154	07/12/2018		NINYO & MOORE GEOTECHNICAL	\$9,940.91
	Invoice	Date	Description	Amount
	218356	05/30/2018	ABATEMENT MONITORING-205 HUDSON AVE	\$6,971.53
	219278	06/26/2018	ABATEMENT MONITORING-205 HUDSON AVE	\$2,969.38
69155	07/12/2018		OLMOS PROFESSIONAL SERVICES	\$8,782.00
	Invoice	Date	Description	Amount
	318	06/30/2018	JANITORIAL SVC-CITY HALL	\$5,500.00
	320	06/30/2018	JANITORIAL SVC-15660 STAFFORD	\$1,815.00

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	319	06/30/2018	JANITORIAL SVC-IMC	\$1,467.00
69156	07/12/2018		PACIFIC UTILITY INSTALLATION	\$1,996.00
	Invoice	Date	Description	Amount
	17135	06/14/2018	OPERATIONS/MAINT SVC	\$1,996.00
69157	07/12/2018		PADILLA, YVETTE	\$655.87
	Invoice	Date	Description	Amount
	SUMMER 2018	06/21/2018	REIMBURSE FOR BOOKS & TUITION-SUMMER 2018	\$655.87
69158	07/12/2018		PARS	\$600.00
	Invoice	Date	Description	Amount
	40426	06/11/2018	REP FEES-APR 2018	\$300.00
	40375	06/11/2018	ARS FEES-APR 2018	\$300.00
69159	07/12/2018		POST ALARM SYSTEMS	\$286.90
	Invoice	Date	Description	Amount
	1077058	06/05/2018	MONITORING SVC-HOMESTEAD	\$286.90
69160	07/12/2018		PUENTE HILLS CHEVROLET	\$54.31
	Invoice	Date	Description	Amount
	100047	06/11/2018	AUTO MAINT-LIC 98407C1	\$54.31
69161	07/12/2018		RASIC, ALEXANDRA	\$48.50
	Invoice	Date	Description	Amount
	06/27/18	06/27/2018	REIMBURSE FOR MILEAGE-HOMESTEAD	\$48.50

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Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69162	07/12/2018		RICOH USA, INC.	\$3,812.45
	Invoice	Date	Description	Amount
	5053658078	06/12/2018	METER READING-TREASURY COPIER	\$54.13
	5053641603	06/11/2018	METER READING-VARIOUS	\$637.52
	5053688678	06/15/2018	METER READING-HR COPIER	\$54.25
	30235390	06/18/2018	COPIER LEASE-HR	\$6.65
	30235232	06/15/2018	COPIER LEASE-TREASURY	\$246.01
	30237152	06/15/2018	COPIER LEASE-FINANCE	\$289.36
	59460972	06/09/2018	COPIER LEASE-VARIOUS	\$2,524.53
69163	07/12/2018		RICOH USA, INC.	\$290.12
	Invoice	Date	Description	Amount
	59711494	06/23/2018	COPIER LEASE-DEV SVC	\$290.12
69164	07/12/2018		ROBERT PORTILLO	\$600.00
	Invoice	Date	Description	Amount
	06/20/18	06/20/2018	MAINT OF GRAND PIANOS-HOMESTEAD	\$600.00
69165	07/12/2018		SAGE ENVIRONMENTAL GROUP	\$26,809.00
	Invoice	Date	Description	Amount
	700	06/17/2018	ON-CALL BIOLOGICAL MONITORING SVC-CITYWIDE	\$26,809.00
69166	07/12/2018		SAN GABRIEL VALLEY	\$54,774.18
	Invoice	Date	Description	Amount
	CI06142018	06/05/2018	LANDSCAPE /MAINT-INDUSTRY HILLS JOGGING TRAIL	\$6,900.00
	CI06282018CT	06/28/2018	REIMBURSEMENT-INDUSTRY HILLS TRAIL MAINT	\$38,544.18

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check	Amount
CITY.WF.CHK - City General Wells Fargo					
	CI06282018	06/28/2018	LANDSCAPE /MAINT-INDUSTRY HILLS JOGGING TRAIL	\$9,330.00	
69167	07/12/2018		SAN GABRIEL VALLEY COUNCIL OF		\$22,176.68
	Invoice	Date	Description	Amount	
	4012	06/01/2018	ANNUAL DUES FY 2018-2019	\$22,176.68	
69168	07/12/2018		SCS FIELD SERVICES		\$18,773.57
	Invoice	Date	Description	Amount	
	0327323	05/31/2018	IH MAINT-LANDFILL GAS SYSTEM	\$18,773.57	
69169	07/12/2018		SDI PRESENCE LLC		\$262.50
	Invoice	Date	Description	Amount	
	698	05/31/2018	NEW WORLD MEETING ON 5/17/18	\$262.50	
69170	07/12/2018		SO CAL INDUSTRIES		\$90.34
	Invoice	Date	Description	Amount	
	331799	06/15/2018	FENCE RENTAL-INDUSTRY HILLS	\$90.34	
69171	07/12/2018		SOUTH COAST A.Q.M.D.		\$5,493.87
	Invoice	Date	Description	Amount	
	3294449	06/01/2018	FLAT FEE EMISSION FY 18/19	\$131.79	
	3292737	06/01/2018	LANDFILL GAS COLLECTION-INDUSTRY HILLS	\$5,362.08	
69172	07/12/2018		SPARKLETTS		\$99.46
	Invoice	Date	Description	Amount	
	17165913 060818	06/08/2018	WATER DELIVERY	\$99.46	

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
69173	07/12/2018		SPITZZERI, PAUL	\$119.85
	Invoice	Date	Description	Amount
	06/27/18	06/27/2018	REIMBURSE FOR MILEAGE-HOMESTEAD	\$119.85
69174	07/12/2018		SST CONSTRUCTION, LLC	\$1,120.00
	Invoice	Date	Description	Amount
	40911	06/08/2018	PREVENTIVE MAINT-METRO SOLAR	\$560.00
	41753	06/22/2018	PREVENTIVE MAINT-METRO SOLAR	\$560.00
69175	07/12/2018		STAPLES BUSINESS ADVANTAGE	\$658.31
	Invoice	Date	Description	Amount
	8050232912	06/09/2018	OFFICE SUPPLIES	\$14.88
	8050315454	06/16/2018	OFFICE SUPPLIES	\$643.43
69176	07/12/2018		STATE BOARD OF EQUALIZATION	\$112,948.58
	Invoice	Date	Description	Amount
	2202	06/26/2018	ENERGY SURCHARGE TAX: JUNE 2002	\$1.03
	2302	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2002	\$29.46
	2402	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2002	\$344.32
	2103	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2003	\$479.52
	2203	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2003	\$496.94
	2303	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2003	\$533.12
	2403	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2003	\$518.43
	2104	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2004	\$1,361.21
	2204	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2004	\$1,550.35

CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018

Number	Date	Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo			
2304	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2004	\$1,657.05
2404	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2004	\$1,536.64
2105	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2005	\$1,198.76
2205	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2005	\$1,035.34
2305	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2005	\$1,238.30
2405	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2005	\$1,353.66
2106	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2006	\$1,119.66
2206	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2006	\$1,389.15
2306	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2006	\$1,879.72
2406	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2006	\$1,476.42
2107	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2007	\$1,391.47
2207	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2007	\$1,549.00
2307	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2007	\$2,138.00
2407	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2007	\$2,160.99
2108	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2008	\$1,682.89
2208	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2008	\$1,769.40
2308	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2008	\$1,861.85
2408	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2008	\$1,577.20
2110	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2010	\$1,451.93
2210	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2010	\$1,446.64
2310	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2010	\$1,735.58
2410	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2010	\$1,620.67
2111	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2011	\$2,184.66
2211	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2011	\$2,054.93
2311	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2011	\$2,593.17
2411	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2011	\$2,193.27

CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018

Number	Date	Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo			
2112	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2012	\$1,884.33
2212	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2012	\$1,980.67
2312	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2012	\$2,383.25
2412	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2012	\$2,186.50
2113	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2013	\$1,875.00
2213	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2013	\$1,963.19
2313	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2013	\$2,634.16
2413	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2013	\$2,143.07
2114	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2014	\$2,000.76
2214	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2014	\$2,200.89
2314	06/26/2018	ENERGY SURCHARGE TAX: JUL--SEP 2014	\$2,763.32
2414	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2014	\$2,571.72
2115	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2015	\$2,656.45
2215	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2015	\$2,860.31
2315	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2015	\$3,388.23
2415	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2015	\$3,040.82
2116	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2016	\$2,744.67
2216	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2016	\$2,853.71
2316	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2016	\$3,206.04
2416	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2016	\$2,917.80
2117	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2017	\$2,642.90
2217	06/26/2018	ENERGY SURCHARGE TAX: APR-JUN 2017	\$2,817.76
2317	06/26/2018	ENERGY SURCHARGE TAX: JUL-SEP 2017	\$3,208.03
2417	06/26/2018	ENERGY SURCHARGE TAX: OCT-DEC 2017	\$2,858.84
2118	06/26/2018	ENERGY SURCHARGE TAX: JAN-MAR 2018	\$2,555.43

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check	Amount
CITY.WF.CHK - City General Wells Fargo					
69177	07/12/2018		STEINKE ELECTRIC, KIRK		\$6,447.77
	Invoice	Date	Description	Amount	
	205	06/21/2018	REPAIR AT HOMESTEAD	\$6,447.77	
69178	07/12/2018		SYNCHRONY BANK/AMAZON		\$1,998.99
	Invoice	Date	Description	Amount	
	S6SQC130	06/10/2018	MISC OFFICE SUPPLIES	\$1,998.99	
69179	07/12/2018		THE BIG NORWEGIAN		\$938.00
	Invoice	Date	Description	Amount	
	55334	05/09/2018	REPAIR JOHN DEER TRACTOR	\$458.33	
	55335	05/09/2018	REPAIR EQUIPMENT-2000 CASE 570M XT SERIES 3	\$479.67	
69180	07/12/2018		TRIMARK ASSOCIATES, INC.		\$1,726.67
	Invoice	Date	Description	Amount	
	100000265	06/01/2018	MAINT SVC-METRO SOLAR	\$1,726.67	
69181	07/12/2018		UNITED STORM WATER INC		\$175,985.70
	Invoice	Date	Description	Amount	
	SW34153	05/31/2018	CITYWIDE CATCH BASIN RETROFIT PHASE 1	\$175,985.70	
69182	07/12/2018		UNIVERSITY OF LA VERNE		\$2,238.50
	Invoice	Date	Description	Amount	
	SUMMER-2018	06/21/2018	TUITION FOR SUMMER 2018-IVETTE PADILLA,	\$2,238.50	
69183	07/12/2018		WEATHERITE SERVICE		\$6,272.93

**CITY OF INDUSTRY
WELLS FARGO BANK
July 12, 2018**

Number	Date		Payee Name	Check Amount
CITY.WF.CHK - City General Wells Fargo				
	Invoice	Date	Description	Amount
	L177348	06/08/2018	BLOWER REPLACEMENT-CITY HALL	\$870.00
	L177351	06/08/2018	A/C MAINT-CITY HALL	\$575.93
	L177401	06/18/2018	ANNUAL INSPECTION-15660 STAFFORD & 15559	\$1,869.00
	L177354	06/12/2018	VALVE REPLACEMENT-15660 STAFFORD & 15559	\$940.00
	L177435	06/18/2018	REPLACE THERMOSTAT-CITY HALL	\$481.00
	L177447	06/20/2018	CLEAN EVAPORATOR COILS-HOMESTEAD	\$1,537.00
69184	07/12/2018		WEGER, KRISTEN	\$1,604.18
	Invoice	Date	Description	Amount
	06/21/2018	06/21/2018	REIMBURSEMENT FOR SUMMER 2018 & GRADUATION	\$1,604.18
69185	07/12/2018		WILLDAN ENGINEERING	\$570.00
	Invoice	Date	Description	Amount
	00616408	06/14/2018	ENGINEERING SVC-NELSON/PUENTE AVE	\$570.00
69186	07/12/2018		WINDSTREAM	\$863.90
	Invoice	Date	Description	Amount
	70209487	06/10/2018	CITY HALL PHONE SVC-JUN 2018	\$863.90

Checks	Status	Count	Transaction Amount
	Total	117	\$2,575,275.02

CITY COUNCIL

ITEM NO. 5.2

HANDOUT ITEM

(To be Distributed Prior to Meeting)

CITY COUNCIL


ITEM NO. 5.3



CITY OF INDUSTRY

MEMORANDUM

TO: Honorable Mayor Radecki and City Council Members

FROM: Troy Helling, Acting City Manager 

STAFF: Steven Itagaki, Contract Traffic Engineer, JMDiaz, Inc.
Joshua Nelson, Contract City Engineer, CNC Engineering

DATE: July 12, 2018

SUBJECT: Second Reading and Adoption of Ordinance No. 805 – an Ordinance of the City Council of the City of Industry, California, Amending Section 10.40.010 of Chapter 10.40 (Speed Limits) of Title 10 (Vehicles and Traffic) of the City of Industry Municipal Code

Background:

On April 14, 2016, the City Council approved an Agreement for Consultant Services with Kimley-Horn and Associates, Inc. ("Kimley-Horn") to provide on-call traffic engineering services. Per the City's request, a proposal for the work authorization was submitted to perform the Engineering and Traffic Survey for 96 street segments within the City. Kimley-Horn conducted the 2016 Engineering and Traffic Survey in May of 2016.

On June 23, 2016, the City Council introduced Ordinance No. 794 and recommended: No change to the posted speed limit on 52 segments, lower the existing posted speed limit by 5 mph on 8 segments, increase the existing posted speed limit by 5 mph on 13 segments, and recommend 23 segments to be surveyed later as part of Phase 2 of the Engineering and Traffic Survey. Out of the remaining 23 segments, 13 segments were recommended to be resurveyed in order to confirm the speed limit. The remaining 10 segments were not surveyed as these segments are closer to existing construction projects that would skew the results.

The City Engineer determined the changes to be reasonable, safe, and appropriate for the orderly movement of traffic on City streets; and on July 14, 2016, City Council adopted Ordinance No. 794 approving the recommendations based on the 2016 Engineering and Traffic Survey.

On March 8, 2018, the City Council Introduced Ordinance No. 804 and recommended: No change to the posted speed limit in 19 locations, lower the existing posted speed limit by 5 mph at 7 locations, increase the existing speed limit by 5 mph at 15 locations, and

recommend 6 locations to be surveyed later as Phase 3 of the Engineering and Traffic Survey.

The City Engineer determined the changes to be reasonable, safe, and appropriate for the orderly movement of traffic on City streets; and on March 22, 2018, City Council adopted Ordinance No. 804 approving the recommendations based on the 2017 Engineering and Traffic Survey.

On May 23, 2018 Kimley-Horn conducted the 2018 Engineering and Traffic Survey, Phase 3. One hundred (100) samples for each direction of travel were collected if the street segment contained a raised median, or if it was designated by the City as needing two surveys per segment. A minimum of 40 observations were collected for each direction for the segments that did not contain a raised median and were designated as needing only one survey by the City.

On April 30, 2018 Los Angeles County conducted the Engineering and Traffic Survey on Vineland Avenue between the City of Baldwin Park boundary, 1,300 feet north of Rath Street and Nelson Avenue. The segment of Vineland Avenue between Amar Road and Ector Street is jurisdictionally shared between the County and City of Industry. Pursuant to California Vehicle Code (CVC), Section 40802(c)(2)(B)(i), one of the criteria for the legal use of radar equipment on County roadways is that a current Engineering and Traffic Survey exists reflecting current conditions of the roadway. The Engineering and Traffic Survey must be updated every five, seven, and up to ten years in order to continue the use of radar speed enforcement. This study conducted by Los Angeles County Department of Public Works, provides a current engineering analysis of the traffic conditions on Vineland Avenue and evaluates the appropriateness of the existing speed limit.

On Jun 28, 2018, Ordinance 805 of the City Council of Industry, California Amending Section 10.40.010 of Chapter 10.40 (Speed Limits) of Title 10 (Vehicles and Traffic) of the City of Industry Municipal Code was introduced for First Reading. If the Ordinance is adopted, the ordinance is effective 30 days from adoption.

Discussion:

The Engineering and Traffic Survey, as defined in Section 627 of the California Vehicle Code, must consider the prevailing speeds, collision records, pedestrian and bicycle activity, and roadway traffic roadside conditions not readily apparent to the driver. Speed zones are also established to advise of road conditions or hazard, which may not be readily apparent to a reasonable driver. For this reason, a field review of related road/traffic variables is conducted which is considered in combination with the statistical data and collision history of a particular roadway segment to determine a safe and reasonable speed limit. The specific procedures used in conducting the Engineering and Traffic Study are outlined in the California Manual on Uniform Traffic Control Devices (CAMUTCD) 2014 Edition.

Kimley-Horn reviewed the following statistical analysis factors as part of the 2018 Engineering and Traffic Survey.

- 1.) **85th Percentile Speed.** The critical speed, or 85th percentile speed, is defined as that speed at or below which 85 percent of the traffic is moving. This factor is the primary guide in determining what speeds the majority of safe and reasonable drivers are traveling. Therefore, the practice is to set the speed limit to the nearest 5 mph increment from the critical speed unless other factors require a lower limit. Speed limits set on this basis provide law enforcement officials with a means of controlling reckless or unreliable drivers who will not conform to what the majority finds reasonable.
- 2.) **The 10-mph Pace.** The 10-mph pace is the 10-mph increment range, which contains the largest number of recorded vehicles. The pace is a measure of the dispersion of speeds within the sample surveyed. Speed limits should normally be set to fall within the 10-mph pace. However, conditions not readily apparent to the driver or adhering to State mandated limits, such as in residential zones, may require setting speed limits below the 10-mph pace.
- 3.) **50th Percentile Speed.** The median speed, or 50th percentile speed, represents the mill-point value within the range of recorded speeds for a particular roadway location. In other words, 50 percent of the vehicles travel faster than and 50 percent travel slower than, the median speed. This value is another measure of the central tendency of the vehicle speed distribution. Typically, speed limits should not be set below the 50th percentile speed, since it would result in greater than 50-percent of the drivers exceeding the speed limit.
- 4.) **15th Percentile.** The 15th percentile is that speed at or below which 15 percent of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the collision potential.
- 5.) **Percent of Vehicles in Pace Speed.** The percent of vehicles in the 10-mph pace speed is an indication of the grouping of vehicular speeds. Ideally, if all vehicles were traveling at or about the same speed, there would be a reduced likelihood of vehicular collisions. In speed limit favorable the speed distribution. The percent of vehicles within the 10-mph pace is often between 60 and 90 percent.

The Engineering and Traffic Survey Sheets, presented in the Exhibit B, illustrate the results of a thorough evaluation of the available data and indicate a recommended speed limit for each of the street segments surveyed. Table 2, on Pages 9-10, indicates that based upon this Engineering and Traffic Survey:

- There is no change to the existing speed limits at the following 14 locations:
 - Business Parkway (Lemon – Fairway)
 - Ferrero Parkway (Old Ranch – Grand)
 - Ferrero Parkway (Grand – Machlin)
 - Hacienda Boulevard (City Limits – Don Julian)

- Fullerton Road (Valley – Arenth)
 - Fullerton Road (San Jose – Railroad)
 - Chestnut Street (Bixby – Anaheim and Puente Rd)
 - Don Julian Road (7th – Turnbull)
 - Don Julian Road (Turnbull – Hacienda)
 - Nelson Avenue (Puente – Orange)
 - Nelson Avenue (Sunset – California)
 - Nogales Street (Gale – San Jose)
 - Nogales Street (San Jose – Arenth)
 - Nogales Street (Arenth – Valley)
- The recommended speed limits are lower than the existing speed limits at the following 2 locations:
 - Gale Avenue (Stoner Creek – Fullerton)
 - Gale Avenue (Fullerton – Jellick)
 - The recommended speed limit is higher than the existing speed limit at the following 11 locations:
 - Turnbull Canyon Road (Don Julian – Salt Lake)
 - Turnbull Canyon Road (Valley – Proctor)
 - Turnbull Canyon Road (Proctor – Don Julian)
 - Railroad Street (Azusa – Hatcher)
 - Railroad Street (Rowland – Fullerton)
 - Railroad Street (Fullerton – Charlie)
 - Crossroads Parkway South (Workman Mill Rd. – Crossroads Parkway N)
 - Crossroads Parkway North (City Boundary – Crossroads Parkway S)
 - Seventh Avenue (Salt Lake Ave. – Don Julian)
 - Arenth Avenue (Fullerton – Nogales)
 - Nelson Avenue (Hacienda – Glendora)

Los Angeles County Department of Public Works reviewed the following existing conditions as part of the Engineering and Traffic Survey. Supporting data is included in Exhibit C.

- There is no change to the existing speed limits at the following 2 locations within the shared jurisdiction between County of Los Angeles and City of Industry:
 - Vineland Avenue (south of Giordano)
 - Vineland Avenue (south of Temple)

Fiscal Impact:

No fiscal impact at this time.

- 1) It is hereby recommended that the City Council approve the 2018 Engineering and Traffic Survey Phase 3, dated May 2018, and the Engineering and Traffic Survey on Vineland Avenue between the City of Baldwin Park boundary, 1,300 feet north of Rath Street and Nelson Avenue, dated April 30, 2018, and adopt Ordinance No. 805.

Exhibit:

- A. Ordinance No. 805
 - B. Notice of Exemption
 - C. Final Report for the 2018 Engineering and Traffic Survey Phase 3, dated May 2018 – prepared by Kimley-Horn and Associates, Inc.
 - D. Engineering and Traffic Survey Report on Vineland Avenue between the City of Baldwin Park Boundary, 1300 feet North of Rath Street and Nelson Avenue, dated April 30, 2018 – prepared by Los Angeles County Department of Public Works
-

TH/JN/Sl:af

EXHIBIT A

Ordinance No. 805

[Attached]

ORDINANCE NO. 805

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF INDUSTRY,
CALIFORNIA AMENDING SECTION 10.40.010 (SPEED LIMITS ON CITY STREETS)
OF CHAPTER 10.40 (SPEED LIMITS) OF TITLE 10 (VEHICLES AND TRAFFIC) OF
THE CITY OF INDUSTRY MUNICIPAL CODE**

WHEREAS, California Vehicle Code Section 22357 provides that whenever a local authority determines on the basis of an engineering and traffic survey that a speed greater than 25 miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon any street other than a state highway otherwise subject to a prima facie limit of 25 miles per hour, the local authority may by ordinance determine and declare a prima facie speed limit of 30, 35, 40, 45, 50, 55, or 60 miles per hour or a maximum speed limit of 65 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and

WHEREAS, California Vehicle Code section 22358 provides that whenever a local authority determines on the basis of an engineering and traffic survey that the limit of 65 miles per hour is more than is reasonable or safe upon any portion of any street other than a state highway where the limit of 65 miles per hour is applicable, the local authority may by ordinance determine and declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, or 25 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and

WHEREAS, Section 40802 (a)(2) of the California Vehicle Code states that speed limits for streets, other than a local street, road, or school zone, must be justified by an Engineering and Traffic Survey conducted less than five, seven, or ten years with conditions, prior to enforcement of that speed limit, if it is to be enforced by the use of radar; and

WHEREAS, the City Council approved the Engineering and Traffic Survey Phase 1 for certain street segments in Ordinance No. 794 on July 14, 2016; and

WHEREAS, the City Council approved the Engineering and Traffic Survey Phase 2 for certain street segments in Ordinance No. 804 on March 22, 2018; and

WHEREAS, the most recent Engineering and Traffic Survey for certain street segments was last completed in May 2018, a copy of which is attached hereto as Exhibit A, and incorporated herein by reference; and

WHEREAS, the survey recommended certain changes to or new speed limits for certain City streets, as set forth herein; and

WHEREAS, the City Council wishes to ensure that traffic speeds throughout the community are kept at a safe level given the conditions that exist on certain streets; and

WHEREAS, the City Council wishes to use electronic speed measurement equipment for speed enforcement on these certain streets; and

WHEREAS, the Ordinance establishing speed limits must be adopted to reflect speed limits that are to be established following the completion of the Engineering and Traffic Survey; and

WHEREAS, the California Manual of Traffic Control Devices describes the policy to be used in the State of California for setting speed limits, which requires that the posted speed be established at the nearest 5 mph increment of the 85th-percentile speed of free-flowing traffic; and

WHEREAS, the City Council recognizes that the California Manual of Traffic Control Devices also allows the posted speed limit to be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with California Vehicle Code Sections 627 and 22358.5, if the Engineering and Traffic Survey documents the special conditions and justification for the lower speed limit and is approved by a registered Civil or Traffic Engineer; and

WHEREAS, the enforcement of speed limits by the use of radar is necessary in order to protect the safety of the residents of the City of Industry; and

WHEREAS, the City Council has determined that the speed limits set forth herein are most appropriate to facilitate the orderly movement of traffic within the City.

NOW, THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF INDUSTRY AS FOLLOWS:

SECTION 1. Recitals. The City Council finds that the above Recitals are true and correct, and are incorporated herein by reference.

SECTION 2. CEQA Finding. The City Council finds that it can be seen with certainty that there is no possibility that the adoption of this Ordinance and the establishment of the regulations hereby will have a significant effect on the environment. The Ordinance is therefore exempt from review under the California Environmental Quality Act, pursuant to Title 14, Section 15061(b)(3) of the California Code of Regulations. The City Council hereby adopts a Notice of Exemption, and directs Staff to file same.

SECTION 3. Industry Municipal Code Amendment. The City Council hereby amends Section 10.40.010 (Speed Limits on City Streets) of the Industry Municipal Code to read in its entirety as follows:

10.40.010. Speed Limits on City Streets.

The California Vehicle Code provides that cities may by ordinance establish prima facie speed limits. It is determined, upon the basis of an engineering and traffic survey, that the following prima facie speed limits would facilitate the orderly movement of traffic and would be reasonable and safe. It is declared, that signs be erected, as appropriate, to provide notice of the following prima facie speed limits:

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
1.	Valley Blvd.	Turnbull Canyon Rd. to Proctor Ave.	50

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
2.	Valley Blvd.	Proctor Ave. to Hacienda Blvd.	45
3.	Valley Blvd.	Hacienda Blvd. to Stimson Ave.	50
4.	Valley Blvd.	Stimson Ave. to City Limit	50
5.	Valley Blvd.	Azusa Ave. to Hurley St.	50
6.	Valley Blvd.	Hurley St. to City Limit	50
7.	Azusa Ave.	Gemini St. to Temple Ave.	45
8.	Azusa Ave.	Hurley St. to Gemini St.	45
9.	Azusa Ave.	Railroad St. to Hurley St.	45
10.	Azusa Ave.	Gale Ave. to Railroad St.	45
11.	Azusa Ave.	SR-60 WB to Gale Ave.	40
12.	Gale Ave.	City Boundary/Fieldgate Ave. to Bixby Dr.	45
13.	Gale Ave.	Bixby Dr. to Azusa Ave.	40
14.	Gale Ave.	Azusa Ave. to Auto Mall West	45
15.	Gale Ave.	Auto Mall West to Stoner Creek Rd.	45
16.	Gale Ave.	Jellick Ave. to Coiner Ct.	40
17.	Baldwin Park Blvd.	Railroad Ave. to Temple Ave.	35
18.	Baldwin Park Blvd.	Temple Ave. to Amar Rd.	35
19.	Hacienda Blvd.	Stafford St. to Nelson Ave.	40
20.	Hacienda Blvd.	Valley Blvd. to Stafford St.	40
21.	Hacienda Blvd.	Don Julian Rd. to Valley Blvd.	40
22.	Temple Ave.	City Limits to Baldwin Park Blvd.	40
23.	Temple Ave.	Baldwin Park Blvd. to Valley Blvd.	40
24.	Fairway Dr.	San Jose Ave. to Business Pkwy.	40
25.	Fairway Dr.	Walnut Dr. N. to Walnut Dr. S.	40
26.	Fullerton Rd.	Arenth Ave. to San Jose Ave.	35
27.	Fullerton Rd.	SR-60 WB Ramp to SR-60EB Ramp	35
28.	Peck Rd.	City Boundary to Rooks Rd.	45
29.	Peck Rd.	Rooks Rd. to Pellissier Pl.	40
30.	Stoner Creek Rd.	Colima Rd. to Castleton St.	30
31.	Stoner Creek Rd.	Castleton St. to Gale Ave.	30

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
32.	Amar Rd.	Aileron Ave. to Echelon Ave.	40
33.	Colima Rd.	Azusa Ave. to Albatross Rd.	40
34.	Colima Rd.	Albatross Rd. to Hanover Rd.	40
35.	Colima Rd.	Hanover Rd. to Walnut Hall Rd.	40
36.	Colima Rd.	Walnut Hall Rd. to Stoner Creek Rd.	40
37.	Grand Ave.	Valley Blvd. to Ferrero Pkwy.	50
38.	Grand Ave.	Baker Pkwy. to SR-60 Fwy.	50
39.	Hambeldon Ave.	Valley Blvd. to Hurley St.	30
40.	Hurley St.	Azusa Ave. to Valley Blvd.	35
41.	Lemon Ave.	Valley Blvd. to Currier Rd.	40
42.	Lemon Ave.	Currier Rd. to City Limit	40
43.	Pelissier Pl.	Peck Rd. to Workman Mill Rd.	45
44.	Proctor Ave.	Athens Way to City Boundary	35
45.	Proctor Ave.	6 th Ave. to 7 th Ave.	35
46.	Proctor Ave.	7 th Ave. to 9 th Ave.	35
47.	Proctor Ave.	9 th Ave. to Turnbull Canyon Rd.	35
48.	Proctor Ave.	Turnbull Canyon Rd. to Valley Blvd.	35
49.	Rooks Rd.	Peck Rd. to Kella Ave.	25
50.	Seventh Ave.	Clark Ave. to Salt Lake Ave.	40
51.	Seventh Ave.	Don Julian Rd. to Proctor Ave.	40
52.	Seventh Ave.	Proctor Ave. to City Boundary	40
53.	Stimson Ave.	Gale Ave. to Valley Blvd.	35
54.	Sunset Ave.	Valley Blvd. to Nelson Ave.	40
55.	Arenth Ave.	Anaheim-Puente Rd. to Fullerton Rd.	40
56.	Baker Pkwy.	Cul de Sac to Grand Crossing Pkwy.	30
57.	Baker Pkwy.	Grand Crossing Pkwy. to Grand Ave.	45
58.	Chestnut St.	Anaheim Puente Rd. to Hatcher St.	35
59.	Don Julian Rd.	6 th Ave. to 7 th Ave.	35
60.	Echelon Ave.	Loukelton St. to Amar Rd.	25
61.	Giano Rd.	Valley Blvd. to City Boundary	30

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
62.	Loukelton St.	Echelon Ave. to City Boundary	25
63.	Nelson Ave.	Vineland Ave. to Puente Ave.	35
64.	Nelson Ave.	Orange Ave. to Sunset Ave.	35
65.	Nelson Ave.	California Ave. to Unruh Ave.	35
66.	Nelson Ave.	Unruh Ave. to Hacienda Blvd.	35
67.	Salt Lake Ave.	Turnbull Canyon Rd. to Patriot Pl.	40
68.	San Jose Ave.	Nogales St. to Fullerton Rd.	30
69.	Stephens St.	East of Stimson Ave. to Cul de Sac	30
70.	Walnut Hall Rd.	Colima Rd. to Castleton St.	35
71.	Walnut Dr. N.	Nogales St. to Otterbein Ave.	45
72.	Walnut Dr. N.	Otterbein Ave. to Fairway Dr.	45
73.	Walnut Dr. N.	Fairway Dr. to Tucker Ln.	45
74.	Albatross Rd.	Colima Rd. to Castleton St.	35
75.	Amar Rd.	Vineland Ave. to Canal Pl.	40
76.	Amar Rd.	Canal Pl. to Baldwin Park Rd.	40
77.	Brea Canyon Rd.	Spanish Ln. to Grand Crossing Rd.	50
78.	Castleton St.	Stoner Creek Rd. to Hanover Rd.	35
79.	Grand Crossing Pkwy.	Baker Pkwy. to Brea Canyon Rd.	40
80.	Kella Ave.	Kathleen St. to Rooks Rd.	25
81.	Nelson Ave.	Vineland Ave. to Puente Rd.	35
82.	Old Ranch Rd.	Brea Canyon Rd. to Ferrero Pkwy.	40
83.	Railroad Ave.	Temple Ave. to Baldwin Park Blvd.	35
84.	S. Lawson St.	Rowland Ave. to Railroad Ave.	35
85.	S. Mayo Ave.	Old Ranch Rd. to Grand Crossing Pkwy.	40
86.	Salt Lake Ave.	7 th Ave. to Turnbull Canyon Rd.	35
87.	Stafford St.	Sotro St. to Hacienda Blvd.	30
88.	Stafford St.	Glendora Ave. to Sotro Ave.	30
89.	Valley Blvd.	Azusa Ave. to Hambleton Ave.	50
90.	Vineland Ave.	Nelson Ave. to Valley Blvd.	35

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
91.	Vineland Ave.	Temple Ave. to Nelson Ave.	35
92.	Grand Ave.	Ferrero Pkwy. to Baker Pkwy.	50
93.	Bixby Dr.	Chestnut St. to Gale Ave.	30
94.	Castleton St.	Hanover Rd. to Albatross Rd.	30
95.	Hanover Rd.	Castleton St. to Colima Rd.	30
96.	N. California Ave.	Nelson Ave. to Valley Blvd.	30
97.	Orange Ave.	Nelson Ave. to Valley Blvd.	30
98.	S. Hatcher Ave.	Chestnut St. to Railroad St.	30
99.	Stafford St.	Hacienda Blvd. to Unruh Ave.	30
100.	6 th Ave.	Proctor Ave. to Don Julian Rd.	35
101.	9 th Ave.	Proctor Ave. to Don Julian Rd.	30
102.	Almahurst St.	Hanover Rd. to Albatross Rd.	35
103.	Bixby Dr.	Gale Ave. to Johnson Dr.	30
104.	Capitol Ave.	Mission Mill Rd. to Rose Hills Rd.	30
105.	Garcia Ln.	Grand Ave. to Faure Ave.	40
106.	Keystone St.	Stoner Creek Rd. to Walnut Hall Rd.	35
107.	N. Unruh Ave.	Nelson Ave. to Stafford St.	30
108.	Parriott Pl.	Don Julian Rd. to Salt Lake Ave.	30
109.	Parriott Pl.	El Encanto Rd. to Don Julian Rd.	35
110.	Parriott Pl.	Proctor Ave. to El Encanto Rd.	35
111.	Rowland St.	Hatcher Ave. to Lawson St.	40
112.	Rowland St.	Lawson St. to Fullerton Rd.	40
113.	Sotro St.	Glendora Ave. to Stafford St.	25
114.	Currier Rd.	Lemon Ave. to Brea Canyon Pkwy.	40
115.	Gale Ave.	Stoner Creek Rd. to Fullerton Rd.	40
116.	Gale Ave.	Fullerton Rd. to Jellick Rd.	40
117.	Turnbull Canyon Rd.	Don Julian Rd. to Salt Lake Ave.	35
118.	Turnbull Canyon Rd.	Valley Blvd. to Proctor Rd.	40
119.	Turnbull Canyon Rd.	Proctor Rd. to Don Julian Rd.	40
120.	Railroad St.	Azusa Ave. to Hatcher Rd.	40

<u>No.</u>	<u>Street</u>	<u>Location</u>	<u>Speed Limit (MPH)</u>
121.	Railroad St.	Rowland St. to Fullerton Rd.	40
122.	Railroad St.	Fullerton Rd. to Charlie Rd.	40
123.	Crossroads Parkway South	Workman Mill Rd. to Crossroads Parkway North	40
124.	Crossroads Parkway North	City Boundary – Crossroads Parkway South	40
125.	Seventh Ave.	Salt Lake Ave. to Don Julian Rd.	40
126.	Arenth Ave.	Fullerton Rd. to Nogales St.	40
127.	Nelson Ave.	Hacienda Blvd. to Glendora Ave.	35

SECTION 23. Official Survey. The "2018 Engineering and Traffic Survey Phase 3, May 2018, for the City of Industry," containing the findings and determinations of the Registered Engineer, incorporated herein and on file in the Office of the City Clerk, shall be the official Engineering and Traffic Survey of the City, a certified copy of which shall be disseminated to the County of Los Angeles Municipal and Superior Courts.

SECTION 24. Inconsistencies. Any provisions of the Industry Municipal Code, or appendices thereto, or any other resolution of the City, to the extent that they are inconsistent with this ordinance, and no further, are hereby repealed.

SECTION 25. Clerical Errors. The City Council directs the City Clerk to correct any clerical errors found in Chapter 10.40 (Speed Limits) of Title 10 (Vehicles and Traffic), including, but not limited to, typographical errors, irregular numbering, and incorrect section references.

SECTION 26. Severability. Should any section, subsection, clause, or provision of this Ordinance for any reason be held to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the validity or constitutionality of the remaining portions of this Ordinance; it being hereby expressly declared that this Ordinance, and each section, subsection, sentence, clause, and phrase hereof would have been prepared, proposed, approved, and ratified irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared invalid, unenforceable, or unconstitutional.

SECTION 27. Effective Date. In accordance with California Government Code §36937, this Ordinance shall take effect and be in force thirty (30) days from passage and adoption.

SECTION 28. Publication. The City Clerk shall certify to the passage and adoption of this Ordinance and shall cause this ordinance to be published and posted as required by law.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Industry this 28th day of June 2018, by the following vote:

AYES: COUNCIL MEMBERS:

NOES: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

BY: _____
Mark D. Radecki, Mayor

ATTEST:

Diane M. Schlichting, City Clerk

EXHIBIT B

Notice of Exemption

[Attached]

NOTICE OF EXEMPTION

To: County Clerk
County of Los Angeles
Environmental Filings
12400 East Imperial Highway #2001
Norwalk, CA 90650

From: City of Industry
15625 E. Stafford Street, Suite 100
City of Industry, CA 91744

Project Title: 2018 Engineering and Traffic Survey Phase 3

Project Location - Specific: Existing streets at various locations throughout the City of Industry

Project Location-City: City of Industry **Project Location-County:** Los Angeles

Description of Project: The scope of work involves changing the existing speed limit signs.

Name of Public Agency Approving Project: City Council, City of Industry

Name of Person or Agency Carrying Out Project: City of Industry

Exempt Status: *(check one)*

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. *State type and section number:* 15061(b)(3)
- Statutory Exemptions. *State code number:*

Reasons why project is exempt: Section 15061 Review for Exemption (b) A project is exempt from CEQA if (3) The activity is covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. This project involves traffic and engineering speed surveys on existing streets at various locations throughout the city and is exempt from CEQA.

Lead Agency

Contact Person: Troy Helling

Telephone: (626) 333-2211

Signature:  _____

Date: 07-12-2018

Title: Acting City Manager

EXHIBIT C

Final Report for the 2018 Engineering and Traffic Survey Phase 3, dated May 2018 –
prepared by Kimley-Horn and Associates, Inc.

[Attached]



FINAL REPORT

FOR THE

CITY OF INDUSTRY 2018 ENGINEERING AND TRAFFIC SURVEY PHASE 3

May 2018

Prepared by:

Kimley»Horn

CERTIFICATION

I, Jean Fares, do hereby certify that this Engineering and Traffic Survey for the City of Industry was performed under my supervision. I certify that I am experienced in performing surveys of this type and duly registered in the State of California as a professional Traffic Engineer.



Jean Fares
05/23/2018

RTB# 2097

INTRODUCTION

This Engineering and Traffic Survey is intended to serve as the basis for the establishment and enforcement of speed limits for selected streets within the City of Industry (City). This survey was authorized by the City and independently conducted by the private consulting firm Kimley-Horn and Associates, Inc. Since changes in prevailing roadway conditions have occurred or roadways have been recently constructed, this study is required to determine if the existing speed limit is adequate and to determine the proper speed limit for the newly constructed roads.

Engineering and traffic surveys for speed limits are regularly conducted once every five (5) years by governing municipalities for the purpose of complying with Section 40802(a) of the *California Vehicle Code (CVC)* and the national *Uniform Vehicle Code*. Engineering and traffic surveys may be conducted every seven (7) years if criteria is met, or every ten (10) years if a registered engineer evaluates the section of the highway and determines that no significant changes in roadway or traffic conditions have occurred as specified in Section 40802(c) of the *California Vehicle Code (CVC)*. In addition, an engineering and traffic survey should be conducted on newly constructed roadways or roadways where the roadway conditions have significantly changed.

The law requires that speed surveys must be performed with the use of radar or other electronic devices at locations where speed limits are to be enforced with the use of radar. The current survey must be completed within five years as specified in Section 40802(a); seven years as specified in Section 40802(c), or ten years as specified in Section 40802(c), of the date of the preceding survey. A survey allowed to expire after five years (as specified by Section 40802(a)), seven years (as specified by Section 40802(c)), or 10 years (as specified by Section 40802(c)), of the previous survey would constitute a speed trap as stated below:

40802. A "speed trap" is either of the following:

- (1) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.
- (2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed involves the use of radar or any other electronic device that measures the speed of moving objects.

In addition, testimony and evidence based upon a speed trap is inadmissible in a court of law.

PURPOSE AND METHODOLOGY OF SPEED ZONE ESTABLISHMENT

Speed zones are primarily established to protect the general public from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. Speed limits are generally established at or near the 85th percentile speed, which is defined as the speed at or below which 85 percent of traffic is moving. Speed limits established on this basis conform to the consensus of those who drive on the highways as to what speed is reasonable and safe, and are not dependent on the judgment of one or a few individuals.

The Engineering and Traffic Survey, as defined in Section 627 of the CVC, must consider the prevailing speeds, collision records, pedestrian and bicycle activity, and roadway traffic and roadside conditions not readily apparent to the driver. Speed zones are also established to advise of road conditions or hazards, which may not be readily apparent to a reasonable driver. For this reason, a field review of related road/traffic variables is conducted which is considered in combination with the statistical data and collision history of a particular roadway segment to determine a safe and reasonable speed limit. The specific procedures used in the conduct of the Engineering and Traffic Study are outlined in the California *MUTCD 2014 Edition*. The statistical factors used to analyze the collected speed survey data are defined in the following section.

It should be noted that the CVC allows local authorities to increase or decrease the prima facie limits by ordinance or resolution to appropriate limits as determined by an engineering and traffic survey. Posted speed limits not defined in the CVC or established by ordinance are not valid.

According to Section 22352(a)(2)(A) of the CVC, the prima facie speed limit for streets in any business or residence district is twenty-five miles per hour. The definitions of business and residence district are as follows:

235. A "business district" is that portion of a highway and the property contiguous thereto
- (a) upon one side of which highway, for a distance of 600 feet, 50 percent or more of the contiguous property fronting thereon is occupied by buildings in use for business, or
 - (b) upon both sides of which highway, collectively, for a distance of 300 feet, 50 percent or more of the contiguous property fronting thereon is so occupied. A business district may be longer than the distances specified in this section if the above ratio of buildings in use for business to the length of the highway exists.
515. A "residence district" is that portion of a highway and the property contiguous thereto, other than a business district,
- (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or

(b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.

STATISTICAL ANALYSIS FACTORS

Significant factors used to analyze the collected survey data are summarized below:

1. **85th Percentile Speed.** The critical speed, or 85th Percentile Speed, is defined as that speed at or below which 85 percent of the traffic is moving. This factor is the primary guide in determining what speeds the majority of safe and reasonable drivers are traveling. Therefore, the practice is to set the speed limit to the nearest 5 mph increment from the Critical Speed unless other factors require a lower limit. Speed limits set on this basis provide law enforcement officials with a means of controlling reckless or unreliable drivers who will not conform to what the majority finds reasonable.
2. **The 10-mph Pace.** The 10-mph Pace is the 10-mph increment range, which contains the largest number of recorded vehicles. The pace is a measure of the dispersion of speeds within the sample surveyed. Speed limits should normally be set to fall within the 10 mph pace. However, conditions not readily apparent to the driver or adhering to State mandated limits such as in Residence Districts may require setting speed limits below the 10 mph pace.
3. **50th Percentile Speed.** The Median Speed, or 50th Percentile Speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50 percent of the vehicles travel faster than and 50 percent travel slower than, the median speed. This value is another measure of the central tendency of the vehicle speed distribution. Typically speed limits should not be set below the 50th Percentile Speed, since it would result in greater than 50-percent of the drivers exceeding the speed limit.
4. **15th Percentile.** The 15th Percentile is that speed at or below which 15 percent of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the collision potential.
5. **Percent of Vehicles in Pace Speed.** The percent of vehicles in the 10-mph pace speed is an indication of the grouping of vehicular speeds. Ideally, if all vehicles were traveling at or about the same speed, there would be a reduced likelihood of vehicular collisions. In speed limit analysis, the higher the percent of vehicles within the pace speed, the more favorable the speed distribution. The percent of vehicles within the 10-mph pace is often between 60 and 90 percent.

2014 CALIFORNIA MUTCD GUIDANCE BETWEEN ADJACENT SEGMENTS

The State of California Traffic Manual previously published by the California Department of Transportation previously set guidance on the preparation of Engineering and Traffic Surveys. Section 8-3.3 contained the guidance for establishing speed limits using an Engineering and Traffic Survey, and indicated that the speed limit should normally be established at the first five mile per hour increment below the 85th percentile speed. However, with the change to the 2014 California MUTCD, the guidance for establishing speed limits has been modified and the new requirements indicate:

“12a When a speed limit is to be posted, it shall be established at the nearest 5 mph increment of the 85th-percentile speed of free-flowing traffic, except as shown in the two Options below.

Option:

1. The posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with CVC Sections 627 and 22358.5.
2. For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th percentile speed, if no further reduction is used. Refer to CVC Section 21400(b).”

12b If the speed limit to be posted has had the 5 mph reduction applied, then an E&TS shall document in writing the conditions and justification for the lower speed limit and be approved by a registered Civil or Traffic Engineer. The reasons for the lower speed limit shall be in compliance with CVC Section 627 and 22358.5.

Support:

12c The following examples are provided to explain the application of these speed limit criteria:

- A. Using Option 1 above and first step is to round down: If the 85th percentile speed in a speed survey for a location was 37 mph, then the speed limit would be established at 35 mph since it is the closest 5 mph increment to the 37 mph speed. As indicated by the option, this 35 mph established speed limit could be reduced by 5 mph to 30 mph if the conditions and justification for using this lower speed limit are documented in the E&TS and approved by a registered Civil or Traffic Engineer.
- B. Using Option 1 above and first step is to round up: If the 85th percentile speed in a speed survey for a location was 33 mph, then the speed limit would be established at 35 mph since it is closest 5 mph increment to the 33 mph speed. As indicated by the option, this 35 mph speed limit could be reduced by 5 mph to 30 mph if the conditions and justification for using this lower speed limit are documented in the E&TS and approved by a registered Civil or Traffic Engineer.
- C. Using Option 2 above and first step is to round up: If the 85th percentile speed in a speed survey for a location was 33 mph, instead of rounding up to 35 mph, the speed limit can be established at 30 mph, but no further reductions can be applied (which is allowed in the two examples above).”

This change in the guidance for establishing speed limits was incorporated into the analysis and recommendation of speed limits for this study.

ASSEMBLY BILL 321

Existing law establishes a 25 miles per hour prima facie limit when approaching or passing a school building or the grounds thereof, contiguous to a highway and posted up to 500 feet away from the school grounds, with a standard "SCHOOL" warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. The prima facie limit also applies when approaching or passing school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children and the highway is posted with a standard "SCHOOL" warning sign. A violation of that prima facie limit is an infraction.

Existing law allows a city or county, based on an engineering and traffic survey that the prima facie speed limit of 25 miles per hour is more than is reasonable or safe, by ordinance or resolution, to determine and declare a prima facie speed limit of 20 or 15 miles per hour, whichever is justified as the appropriate speed limit by that survey.

This bill additionally allows a city or county to establish in a residence district, on a highway with a posted speed limit of 30 miles per hour or slower, a 15 miles per hour prima facie limit when approaching, at a distance of less than 500 feet from, or passing, a school building or the grounds thereof, contiguous to a highway and posted with a school warning sign that indicates a speed limit of 15 miles per hour, while children are going to or leaving the school, either during school hours or during the noon recess period. The prima facie limit would also apply when approaching, at that same distance, or passing school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children and the highway is posted with one of those signs.

The bill also provides that a 25 miles per hour prima facie limit in a residence district, on a highway with a posted speed limit of 30 miles per hour or slower, applies, as to those local authorities, when approaching, at a distance of 500 to 1,000 feet from, one of those areas where children are going to or leaving the school, either during school hours or during the noon recess period, that is posted with a school warning sign that indicates a speed limit of 25 miles per hour.

FIELD REVIEW

Kimley-Horn conducted the speed survey on street segments as requested. One hundred (100) samples for each direction of travel were collected if the street segment contained a raised median or if it was designated by the City as needing two surveys per segment. A Minimum of 40 observations were collected for each direction for the segments that did not contain a raised median and were designated as needing only one survey by the City.

The consultant's team inspected all street segments for traffic related concerns, including visibility, driveways, existing land use and road conditions not readily apparent to motorists.

Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below:

1. Segment length, width and alignment;
2. Level of pedestrian and bicycle activity;
3. Traffic flow characteristics;
4. Number of lanes and other channelization/striping factors;
5. Frequency of intersections, driveways and on-street parking;
6. Locations of stop signs, traffic signals, and other regulatory traffic control devices;
7. Roadway condition, bumps and dips;
8. Obstructions to driver/pedestrian visibility;
9. Land use and proximity of schools;
10. Uniformity with existing speed zones in adjacent jurisdictions; and,
11. Any other unusual conditions or hazards not readily apparent to the driver.

COLLISION HISTORY

The Engineering and Traffic Survey forms summarize the available collision information for each of the street segments. The summary of collision data was obtained for a period of three years. The related collisions, those not located at signalized intersections, were summarized for each segment. Based on the number of total collisions studied over the 36 month period and ADT counts collected by Kimley-Horn, a collision rate per million vehicle miles was calculated for each segment. To provide a general comparison of the collision rates on the segments to expected collisions rates for similar types of local roadways, the collision rates for each segment were compared to the statewide average rate listed in the 2013 Collision Data on California State Highways (road miles, travel, collisions, collision rates) as listed in Table 1.

TABLE 1

2013 California State Highways Collision Rates

Lane Type	Total Collision Rate Per Million Vehicle Miles (3-Year Rates for 14, 15 and 16)
2&3 Lanes	0.94
4 lanes (undivided highway)	1.31
4 lanes (divided highway)	1.18

Source: 2013 accident data on California State Highways published by State of California Business, Transportation and Housing Agency, Department of Transportation Division of Traffic Operations.

The current accident rate for each segment was calculated using the following formula:

$$\text{Accident Rate} = ((N/3)*1,000,000)/(ADT*L*D)$$

- N: Number of accidents within the study segment in 3 years
- ADT: Average daily traffic for segment
- L: Length of segment
- D: Number of days in 1 year (365)

RESULTS AND RECOMMENDATIONS

Roadway conditions such as width, number of lanes, traffic control devices, and properly identified schools are readily apparent to the driver and should not influence the results of the Engineering and Traffic Survey.

The recommendations contained in this report are intended to establish prima facie speed limits. Prima facie limits attempt to advise the motorist and enforcement of the reasonable speed for a particular section of roadway for the prevailing conditions. In many cases, the recommendations may produce a uniform speed limit along the road.

The Engineering and Traffic Survey Sheets, presented in the **Appendix A**, illustrate the results of a thorough evaluation of the available data and indicate a recommended speed limit for each of the street segments surveyed.

Table 2, on Pages 9-10, indicates that based upon this Engineering and Traffic Survey:

- There is no change to the existing speed limits at the following 14 locations:
 - Business Parkway (Lemon – Fairway)
 - Ferrero Parkway (Old Ranch – Grand)
 - Ferrero Parkway (Grand – Machlin)
 - Hacienda Blvd (City Limits – Don Julian)
 - Fullerton Rd (Valley – Arenth)
 - Fullerton Rd (San Jose – Railroad)
 - Chestnut St (Bixby – Anaheim and Puente Rd)
 - Don Julian Rd (7th – Turnbull)
 - Don Julian Rd (Turnbull – Hacienda)
 - Nelson Ave (Puente – Orange)
 - Nelson Ave (Sunset – California)

- Nogales St (Gale – San Jose)
- Nogales St (San Jose – Arenth)
- Nogales St (Arenth – Valley)
- The recommended speed limits are lower than the existing speed limits at the following 2 locations:
 - Gale Avenue (Stoner Creek – Fullerton)
 - Gale Avenue (Fullerton – Jellick)
- The recommended speed limit is higher than the existing speed limit at the following 11 locations:
 - Turnbull Canyon Road (Don Julian – Salt Lake)
 - Turnbull Canyon Road (Valley – Proctor)
 - Turnbull Canyon Road (Proctor – Don Julian)
 - Railroad St (Azusa – Hatcher)
 - Railroad St (Rowland – Fullerton)
 - Railroad St (Fullerton – Charlie)
 - Crossroads Parkway S (Workman Mill Rd – Crossroads Parkway N)
 - Crossroads Parkway N (City Boundary – Crossroads Parkway S)
 - Seventh Avenue (Salt Lake Ave – Don Julian)
 - Arenth Ave (Fullerton – Nogales)
 - Nelson Ave (Hacienda – Glendora)

Table 2
City of Industry
2018 Speed Survey Summary

No. of Location	Location Name	Segment Start	Segment End	Date	Direction	80th	85th	Length (ft)	Length (mi)	ADT	Collision Rate	Total Collisions	Expected Coll. Rate	Existing Posted	Limit Change	New Limit	Justification
11	Business Parkway	Lemon	Fairway	3/15/2018	Eastbound/Westbound	37	42	5388	1.02	5593	0.640	4	1.18	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b).
16	Ferrero Parkway	Old Ranch	Grand	3/15/2018	Eastbound/Westbound	35	40	2801	0.53	2428	0.902	1	1.31	40	No	40	85th Percentile speed applied.
17	Fernus Parkway	Grand	Machin	3/15/2018	Eastbound/Westbound	39	45	2955	0.56	2665	0.000	0	1.31	40	No	40	85th Percentile speed rounded down per CVC Section 21400(b).
45	Tumbull Canyon Road	Don Julian	Salt Lake	3/18/2018	Northbound/Southbound	35	39	1153	0.22	15821	0.00	0	1.18	-	Yes	35	85th Percentile speed rounded down per CVC Section 21400(b). South of Salt Lake beyond City boundary has 35 mph speed limit.
46	Tumbull Canyon Road	Valley	Proctor	3/18/2018	Northbound/Southbound	37	43	1268	0.24	8934	0.430	1	1.18	35	Yes	40	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
47	Tumbull Canyon Road	Proctor	Don Julian	3/18/2018	Northbound/Southbound	38	44	1381	0.26	12858	0.814	3	1.18	35	Yes	40	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
54	Gale Avenue	Stoner Creek	Fullerton	8/24/2016	Eastbound/Westbound	39	43	2185	0.41	23332	2.005	21	1.31	45	Yes	40	Speed limit decreased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
55	Gale Avenue	Fullerton	Jelick	8/24/2016	Eastbound/Westbound	37	43	1426	0.27	15981	2.751	13	1.31	45	Yes	40	Speed limit decreased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
56	Hacienda Boulevard	City Links	Don Julian	8/23/2016	Northbound/Southbound	39	44	1268	0.24	42150	0.542	6	1.18	40	No	40	85th Percentile speed rounded down per CVC Section 21400(b).
57	Fullerton Road	Valley	Arenth	8/24/2016	Northbound/Southbound	33	39	845	0.16	19289	1.776	6	1.31	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b).
58	Fullerton Road	San Jose	Refined	8/24/2016	Northbound/Southbound	33	38	1162	0.22	19396	1.712	8	1.31	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b).

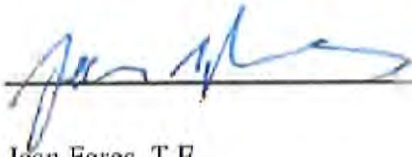
City of Industry
2016 Speed Survey
Summary

No. of Location	Location Name	Segment Start	Segment End	Date	Direction	50th	85th	Length (ft)	Length (mi)	ADT	Collision Rate	No. of Collisions	Expected Coll. Rate	Enforcing Posted	Limit Change	New Limit	Justification
59	Railroad Street	Axusa	Halcher	8/28/2016	Eastbound/Westbound	33	40	2429	0.46	12562	0.474	3	1.31	35	Yes	40	Speed limit increased from existing. 85th Percentile speed applied.
60	Railroad Street	Roxford	Fulton Rd	8/24/2016	Eastbound/Westbound	37	42	6495	1.23	2996	1.239	5	1.31	35	Yes	40	Speed limit increased from existing. 85th Percentile speed applied.
61	Railroad Street	Fulton Rd	Charles Rd	3/16/2018	Eastbound/Westbound	40	46	3105	0.59	2460	0.629	1	1.31	35	Yes	40	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
62	Crossroads Parkway S	Workman MBE Rd	Crossroads Parkway North	8/24/2016	Eastbound/Westbound	38	45	8069	0.96	9948	0.956	10	1.18	35	Yes	40	Speed limit increased from existing. 85th Percentile speed downgraded to maintain consistency with adjacent segment and due to horizontal curvature of street.
63	Crossroads Parkway N	City Boundary	Crossroads Parkway South	8/24/2016	Eastbound/Westbound	39	45	2640	0.50	10104	3.253	18	1.18	35	Yes	40	Speed limit increased from existing. 85th Percentile speed downgraded due to high collision rate.
64	Seventh Avenue	Salt Lake Ave	Don Julian	8/24/2016	Northbound/Southbound	40	45	2112	0.40	33828	0.405	6	1.31	35	Yes	40	Speed limit increased from existing. 85th Percentile downgraded to maintain consistency with adjacent segment.
65	Aranth Avenue	Fulton Rd	Nogales St	8/24/2016	Eastbound/Westbound	37	44	5122	0.97	6485	0.726	5	1.31	35	Yes	40	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
66	Chestnut Street	Birby	Anaheim and Puente Road	8/30/2018	Eastbound/Westbound	35	41	3602	0.72	3311	1.532	4	0.94	35	No	35	85th Percentile speed downgraded due to high collision rate.
67	Don Julian Road	7th	Turnbull	8/24/2016	Eastbound/Westbound	37	39	4119	0.78	8542	0.411	3	1.31	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b) and maintain consistency with adjacent segments.
68	Don Julian Road	Turnbull	Hacienda	8/24/2016	Eastbound/Westbound	32	38	3749	0.71	8251	0.935	6	1.31	35	No	35	85th Percentile speed applied.
69	Nelson Avenue	Puenta	Orange	3/16/2018	Eastbound/Westbound	35	40	3538	0.67	10235	0.133	1	0.94	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b).
70	Nelson Avenue	Sunset	Calomix	8/24/2016	Eastbound/Westbound	34	39	1901	0.36	5984	0.000	0	0.94	35	No	35	85th Percentile speed rounded down per CVC Section 21400(b).
71	Nelson Avenue	Hacienda Blvd	Glandora	8/24/2016	Eastbound/Westbound	32	38	1954	0.37	2776	2.667	3	0.94	30	Yes	35	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
72	Nogales Street	Gale	San Jose	8/24/2016	Northbound/Southbound	39	44	1162	0.22	31713	0.000	0	1.18	40	No	40	85th Percentile speed rounded down per CVC Section 21400(b).
73	Nogales Street	San Jose	Aranth	8/24/2016	Northbound/Southbound	38	42	887	0.13	30402	0.462	2	1.18	40	No	40	85th Percentile speed applied.
74	Nogales Street	Aranth	Valley	8/25/2016	Northbound/Southbound	38	42	634	0.12	29644	0.513	2	1.18	40	No	40	85th Percentile speed applied.

Field Study By: Kimley-Horn and Associates, Inc.

CERTIFICATION:

I, Jean Fares, do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is complete. I certify that I am experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/2018

TR 2097

Jean Fares, T.E.

Date

State Registration Number

CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

11

STREET Business Parkway
FROM Lemon

CERTIFICATION DATE:
TO Fairway

SPEED FACTORS

Date of Speed Survey	3/15/2018	Posted Speed Limit	35
Time of Speed Survey	9:12 AM to 9:54 AM	Speed Justification	
50th Percentile Speed (Mean Speed)	37.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	42.0		
10 mph Pace Speed	31 to 40	Recommended Speed Limit	35
Percentage of Vehicles in Pace	59.4%		
Number of Survey Samples	101		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	4
Collision Rate (ACC/MVM)	0.64
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

Average Daily Traffic	5,593	Date Counted	4/18/2017
Number of Lanes	2 lanes each direction with two-way left turn lane		
Type of Traffic Control	Signalized at Lemon Ave, Signalized at Fairway Dr, Railroad crossing midblock		
Crosswalks?	Yes, at Lemon Ave, at Fairway Dr		
Pedestrian Traffic	No		
Truck Traffic	Yes, frequent		
On-Street Parking	No Stopping Any Time signs both sides		
Sidewalks?	Yes, both sides		
Driveways?	Yes, frequent		

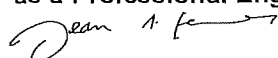
ROADWAY FACTORS

Length of Segment	5386'
Width	68'
Vertical Curve	No
Horizontal Curve	Yes, several
Visibility	Fair
Roadway Conditions	Fair
Lighting	Yes, both sides
Adjacent Land Use	Industrial

Field Study By KHA

Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/2018

TE 2097

Jean Fares

Date

State Registration Number

Engineering and Traffic Survey

City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Business Pkwy
Spt.Sp. Location: Bet. Lemon Ave & Fairway Dr

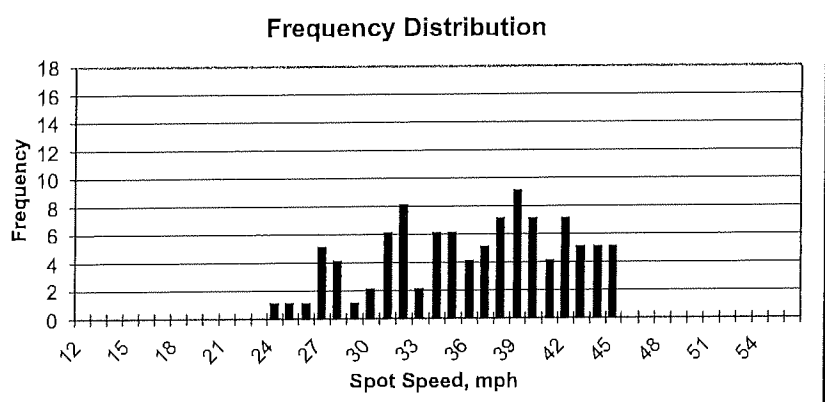
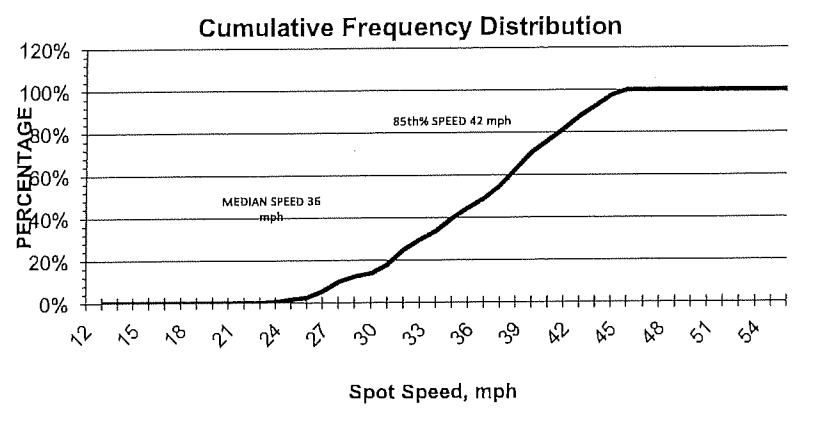
Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	1	0.99%	0.99%
25	1	0.99%	1.98%
26	1	0.99%	2.97%
27	5	4.95%	7.92%
28	4	3.96%	11.88%
29	1	0.99%	12.87%
30	2	1.98%	14.85%
31	6	5.94%	20.79%
32	8	7.92%	28.71%
33	2	1.98%	30.69%
34	6	5.94%	36.63%
35	6	5.94%	42.57%
36	4	3.96%	46.53%
37	5	4.95%	51.49%
38	7	6.93%	58.42%
39	9	8.91%	67.33%
40	7	6.93%	74.26%
41	4	3.96%	78.22%
42	7	6.93%	85.15%
43	5	4.95%	90.10%
44	5	4.95%	95.05%
45	5	4.95%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

Date: 3/15/2018 **Day:** Thursday
Time From: 9:12 AM **To:** 9:54 AM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 35 mph
Street Width: 68'
Comm./Resid.: Commercial
Direction: Eastbound/Westbound

DATA ANALYSIS:

Average Speed:	36
Standard Deviation:	5
Standard error of the mean:	0.5
15th Percentile:	31
50th Percentile:	37
85th Percentile:	42
10 Mile Pace:	31 to 40
% of Samples in 10-Mile Pace:	59.41%
# in 10 MPH pace:	60

Comments: _____



No. of Vehicles: 101 100%

Prepared by NDS/STD

VOLUME

Business Pkwy Bet. Lemon Ave & Fairway Dr

Day: Tuesday
Date: 4/18/2017

City: City of Industry
Project #: CA17_5229_011

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	2,389	2,704	5,593	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00			9	4	13	12:00			51	75	126
0:15			5	7	12	12:15			43	47	90
0:30			5	15	20	12:30			46	49	95
0:45			6	25	31	12:45			62	202	264
1:00			3	6	9	13:00			64	46	110
1:15			2	5	7	13:15			48	33	81
1:30			4	12	16	13:30			41	46	87
1:45			4	13	17	13:45			22	175	197
2:00			3	2	5	14:00			32	55	87
2:15			4	10	14	14:15			57	38	95
2:30			6	5	11	14:30			42	43	85
2:45			6	15	21	14:45			47	178	225
3:00			13	9	22	15:00			55	42	97
3:15			13	8	21	15:15			47	53	100
3:30			14	10	24	15:30			41	46	87
3:45			22	62	84	15:45			42	185	227
4:00			8	16	24	16:00			57	64	121
4:15			2	16	18	16:15			64	39	103
4:30			16	30	46	16:30			48	69	117
4:45			18	44	62	16:45			51	220	271
5:00			12	9	21	17:00			60	68	128
5:15			19	21	40	17:15			59	38	97
5:30			11	10	21	17:30			60	78	138
5:45			32	74	106	17:45			68	247	315
6:00			18	13	31	18:00			83	65	148
6:15			10	15	25	18:15			68	41	109
6:30			31	18	49	18:30			35	40	75
6:45			43	102	145	18:45			45	231	276
7:00			29	22	51	19:00			30	29	59
7:15			48	16	64	19:15			19	11	30
7:30			39	33	72	19:30			21	16	37
7:45			74	190	264	19:45			15	85	100
8:00			33	24	57	20:00			13	13	26
8:15			45	55	100	20:15			27	9	36
8:30			50	50	100	20:30			25	19	44
8:45			67	195	262	20:45			8	73	81
9:00			50	58	108	21:00			17	13	30
9:15			37	50	87	21:15			15	7	22
9:30			39	41	80	21:30			11	17	28
9:45			30	156	186	21:45			14	57	71
10:00			28	28	56	22:00			3	9	12
10:15			28	35	63	22:15			6	11	17
10:30			35	49	84	22:30			4	9	13
10:45			41	132	173	22:45			8	21	29
11:00			49	29	78	23:00			9	5	14
11:15			44	43	87	23:15			3	4	7
11:30			42	65	107	23:30			2	3	5
11:45			47	182	229	23:45			7	21	28
TOTALS			1194	1130	2324	TOTALS			1695	1574	3269
SPLIT %			51.4%	48.6%	41.6%	SPLIT %			51.9%	48.1%	58.4%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	2,389	2,704	5,593

AM Peak Hour	8:15	11:30	11:30	PM Peak Hour	17:30	17:00	17:30
AM Pk Volume	112	237	420	PM Pk Volume	279	230	509
Pk Hr Factor	0.791	0.790	0.633	Pk Hr Factor	0.640	0.737	0.860
7 - 9 Volume	385	277	662	4 - 6 Volume	467	442	909
7 - 9 Peak Hour	7:45	8:00	8:00	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	202	172	367	4 - 6 Pk Volume	247	230	477
Pk Hr Factor	0.682	0.782	0.834	Pk Hr Factor	0.908	0.737	0.864

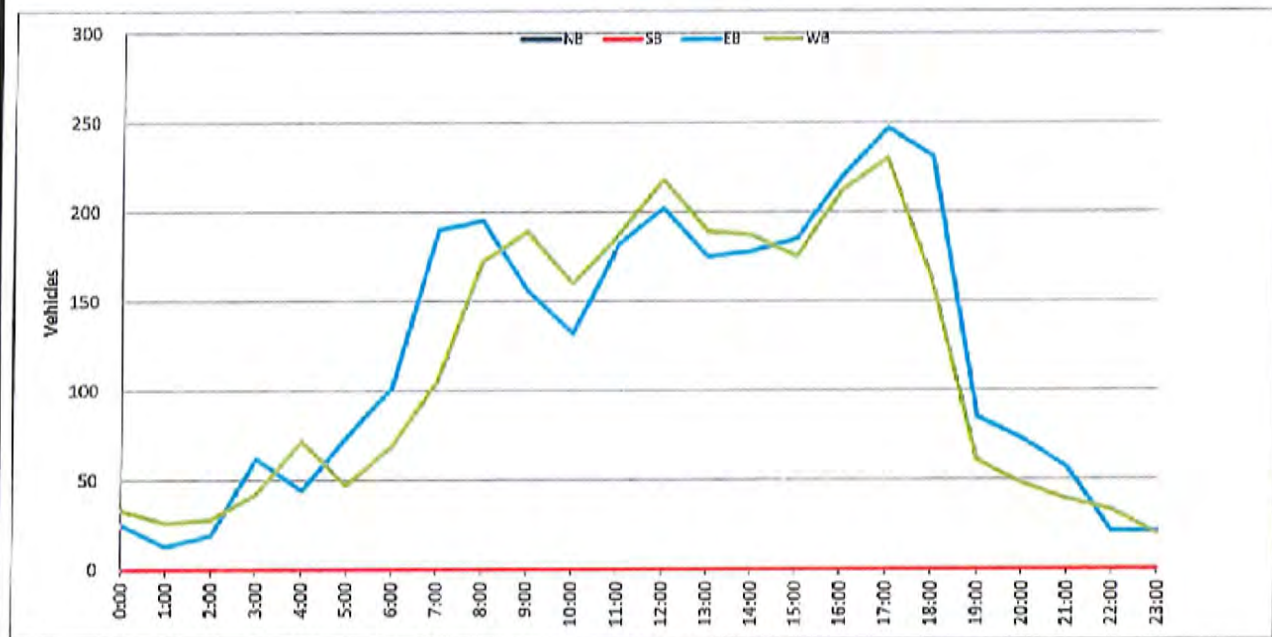
Prepared by NDS/ATD

Project #: CA17_5229_011

City: City of Industry

Location: Business Pkwy Bet. Lemon Ave & Fairway Dr

Date: 4/18/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

16

STREET Ferrero Parkway
FROM Old Ranch

CERTIFICATION DATE:
TO Grand

SPEED FACTORS

Date of Speed Survey	3/15/2018	Posted Speed Limit	40
Time of Speed Survey	10:05 AM to 11:55 AM	Speed Justification	
50th Percentile Speed (Mean Speed)	35.0	85th Percentile speed applied.	
85th Percentile Speed	40.0		
10 mph Pace Speed	31 to 40		
Percentage of Vehicles in Pace	63.7%	Recommended Speed Limit	40
Number of Survey Samples	102		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.50
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

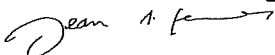
Average Daily Traffic	3,428	Date Counted	4/18/2017
Number of Lanes	2 lanes each direction undivided		
Type of Traffic Control	Stop controlled at Grand Ave, stop controlled at Old Ranch Rd		
Crosswalks?	No		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes, frequent		
On-Street Parking	No Stopping or Parking Any Time signs both sides		
Sidewalks?	Yes, north side only		
Driveways?	Yes, few (north side only)		

ROADWAY FACTORS

Length of Segment	2,801'
Width	48'
Vertical Curve	No
Horizontal Curve	No
Visibility	Clear
Roadway Conditions	Good
Lighting	Yes, both sides
Adjacent Land Use	Industrial / commercial (north), Railroad tracks (south)

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/2018

Date

TE 2097

State Registration Number

Engineering and Traffic Survey

City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Ferrero Pkwy
Spt.Sp. Location: Bet. Old Ranch Rd & Grand Ave SB Connector

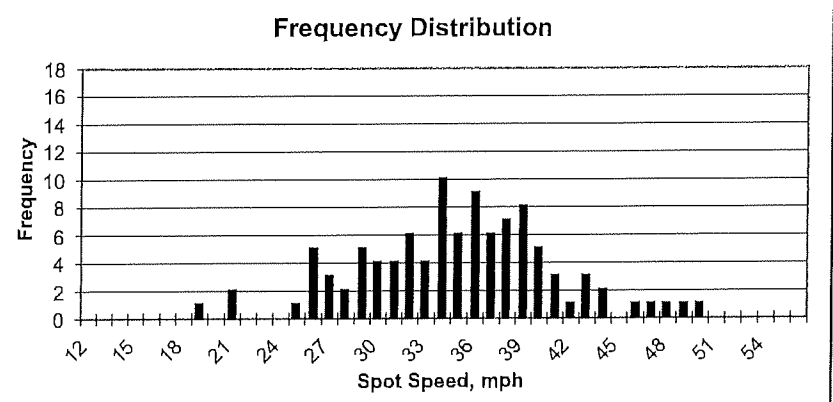
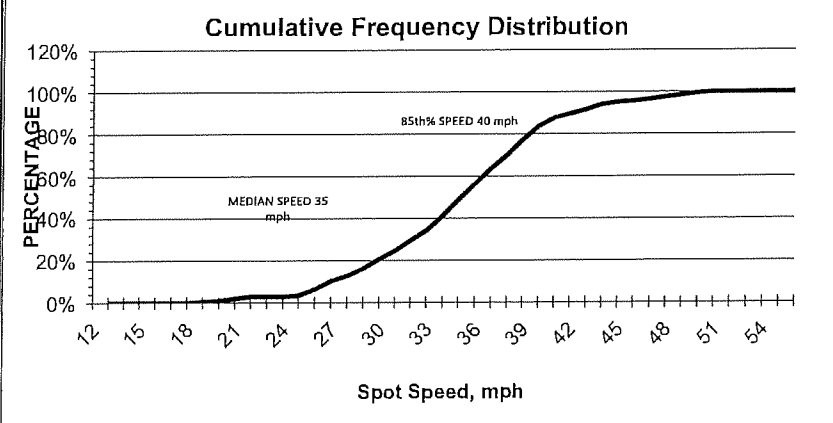
Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	1	0.98%	0.98%
20	0	0.00%	0.98%
21	2	1.96%	2.94%
22	0	0.00%	2.94%
23	0	0.00%	2.94%
24	0	0.00%	2.94%
25	1	0.98%	3.92%
26	5	4.90%	8.82%
27	3	2.94%	11.76%
28	2	1.96%	13.73%
29	5	4.90%	18.63%
30	4	3.92%	22.55%
31	4	3.92%	26.47%
32	6	5.88%	32.35%
33	4	3.92%	36.27%
34	10	9.80%	46.08%
35	6	5.88%	51.96%
36	9	8.82%	60.78%
37	6	5.88%	66.67%
38	7	6.86%	73.53%
39	8	7.84%	81.37%
40	5	4.90%	86.27%
41	3	2.94%	89.22%
42	1	0.98%	90.20%
43	3	2.94%	93.14%
44	2	1.96%	95.10%
45	0	0.00%	95.10%
46	1	0.98%	96.08%
47	1	0.98%	97.06%
48	1	0.98%	98.04%
49	1	0.98%	99.02%
50	1	0.98%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

Date: 3/15/2018 **Day:** Thursday
Time From: 10:05 AM **To:** 11:55 AM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 40 mph
Street Width: 48'
Comm./Resid.: Commercial
Direction: Eastbound/Westbound

DATA ANALYSIS:

Average Speed:	35
Standard Deviation:	6
Standard error of the mean:	0.59
15th Percentile:	29
50th Percentile:	35
85th Percentile:	40
10 Mile Pace:	31 to 40
% of Samples in 10-Mile Pace:	63.73%
# in 10 MPH pace:	65

Comments: _____



No. of Vehicles: 102 100%

Prepared by NDS/ATD

VOLUME

Ferrero Pkwy Bet. Old Ranch Rd & Grand Ave

Day: Tuesday
Date: 4/18/2017

City: City of Industry
Project #: CA17_5229_016

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,555	1,873	0	0	3,428	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	15	9			24	12:00	22	38			50
0:15	11	13			24	12:15	24	20			44
0:30	12	2			14	12:30	23	31			54
0:45	5	47	11	35	20	12:45	31	100	18	107	49
1:00	15	9			24	13:00	26	18			44
1:15	6	4			10	13:15	14	44			58
1:30	18	4			22	13:30	21	37			58
1:45	4	43	7	24	11	13:45	18	79	37	136	55
2:00	6	20			26	14:00	21	30			51
2:15	3	6			9	14:15	15	39			54
2:30	18	5			23	14:30	26	26			52
2:45	6	33	6	37	12	14:45	18	80	16	111	34
3:00	5	7			12	15:00	23	31			54
3:15	9	8			17	15:15	13	17			30
3:30	7	10			17	15:30	16	24			40
3:45	19	40	7	32	26	15:45	25	77	10	82	35
4:00	10	9			19	16:00	13	20			33
4:15	7	13			20	16:15	20	21			41
4:30	16	9			25	16:30	27	19			46
4:45	7	40	24	55	31	16:45	14	74	14	74	28
5:00	16	15			31	17:00	62	60			122
5:15	6	6			12	17:15	24	31			55
5:30	4	11			15	17:30	30	45			75
5:45	14	40	13	45	27	17:45	18	134	17	153	35
6:00	6	14			20	18:00	13	41			54
6:15	19	10			29	18:15	20	27			47
6:30	10	17			27	18:30	16	38			54
6:45	18	53	23	64	41	18:45	19	68	27	133	46
7:00	17	26			43	19:00	13	21			34
7:15	19	18			37	19:15	6	18			24
7:30	27	30			57	19:30	8	8			16
7:45	39	102	34	108	73	19:45	3	30	10	57	13
8:00	44	34			78	20:00	8	8			16
8:15	28	51			79	20:15	2	8			10
8:30	31	49			80	20:30	7	3			10
8:45	32	135	24	158	56	20:45	2	19	12	31	14
9:00	26	28			54	21:00	5	15			21
9:15	33	30			63	21:15	7	2			9
9:30	20	24			44	21:30	13	14			27
9:45	21	100	21	103	42	21:45	12	37	11	43	23
10:00	17	24			41	22:00	8	6			14
10:15	16	16			32	22:15	9	10			19
10:30	19	20			39	22:30	5	15			20
10:45	8	60	14	74	22	22:45	19	41	7	38	26
11:00	14	23			37	23:00	15	12			27
11:15	22	27			49	23:15	9	13			24
11:30	16	34			50	23:30	19	25			45
11:45	16	68	28	112	44	23:45	12	55	8	61	20
TOTALS	761	847			1608	TOTALS	794	1026			1820
SPLIT %	47.3%	52.7%			46.9%	SPLIT %	43.6%	56.4%			53.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						1,555	1,873	0	0	3,428

AM Peak Hour	7:45	7:45	7:45	PM Peak Hour	17:00	17:00	17:00
AM Pk Volume	142	163	310	PM Pk Volume	134	153	287
Pk Hr Factor	0.307	0.824	0.969	Pk Hr Factor	0.540	0.638	0.588
7 - 9 Volume	237	263	503	4 - 6 Volume	208	227	435
7 - 9 Peak Hour	7:45	7:45	7:45	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	142	163	310	4 - 6 Pk Volume	134	153	287
Pk Hr Factor	0.307	0.824	0.969	Pk Hr Factor	0.540	0.638	0.588

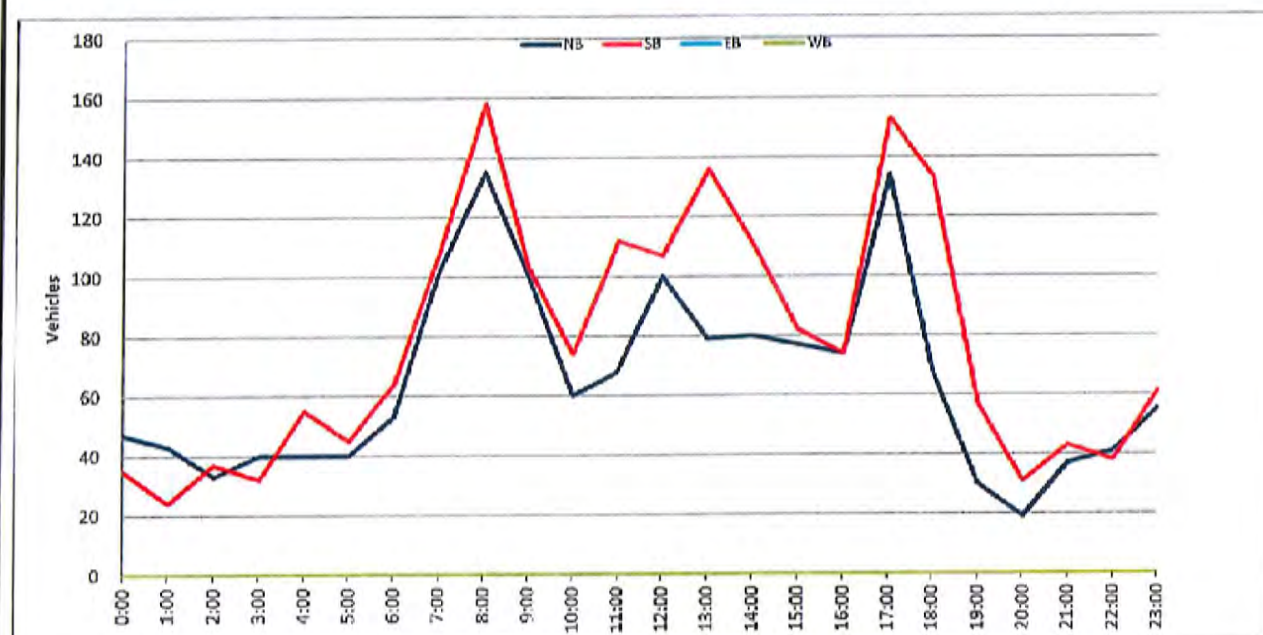
Prepared by NDS/ATD

Project #: CA17_5229_016

City: City of Industry

Location: Ferrero Pkwy Bet. Old Ranch Rd & Grand

Date: 4/18/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

17

STREET Ferrero Parkway
FROM Grand

CERTIFICATION DATE:
TO Machlin

SPEED FACTORS

Date of Speed Survey	3/15/2018	Posted Speed Limit	40
Time of Speed Survey	12:00 PM to 12:39 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	39.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	45.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	59.2%	Recommended Speed Limit	40
Number of Survey Samples	103		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

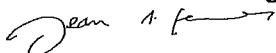
Average Daily Traffic	3,065	Date Counted	4/18/2017
Number of Lanes	2 lanes each direction undivided, merges to 1 lane west of Machlin		
Type of Traffic Control	Stop controlled at Grand Ave, knuckles and turns into Machlin to the west		
Crosswalks?	No		
Pedestrian Traffic	No		
Truck Traffic	Yes, frequent		
On-Street Parking	No Stopping or Parking Any Time signs both sides		
Sidewalks?	Yes, north side only		
Driveways?	Yes, few (north side only)		

ROADWAY FACTORS

Length of Segment	2,955'
Width	48'
Vertical Curve	Yes, crest curve at Grand
Horizontal Curve	No
Visibility	Crest curve limits visibility at Grand
Roadway Conditions	Good
Lighting	Yes, both sides
Adjacent Land Use	Industrial / commercial (north), Railroad tracks (south)

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/2018

Date

TE 2097

State Registration Number

Engineering and Traffic Survey
City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Ferrero Pkwy
Spt.Sp. Location: Bet. Grand Ave NB Connector & Machlin Ct

Date: 3/15/2018 **Day:** Thursday
Time From: 12:00 PM **To:** 12:39 PM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 40 mph
Street Width: 48'
Comm./Resid.: Commercial
Direction: Eastbound/Westbound

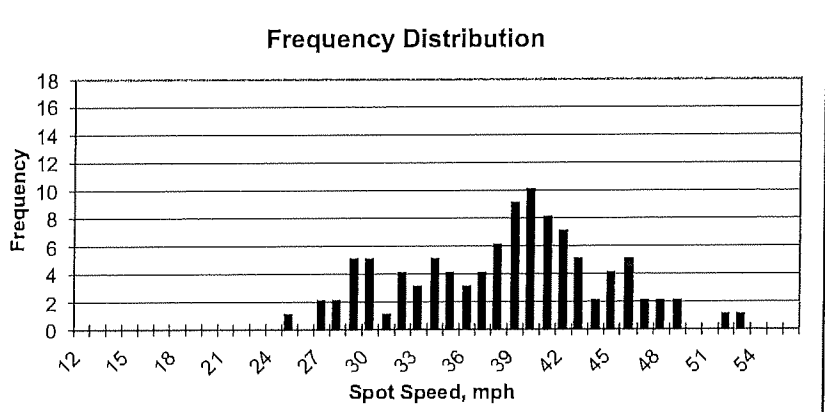
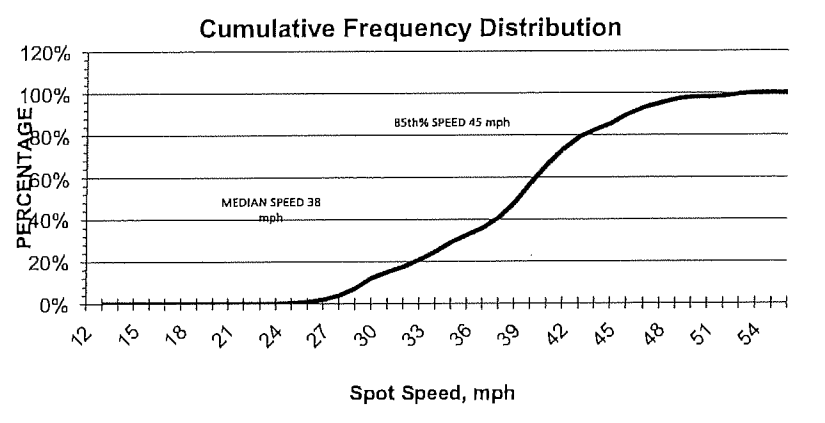
DATA ANALYSIS:

Average Speed:	38
Standard Deviation:	6
Standard error of the mean:	0.59
15th Percentile:	31
50th Percentile:	39
85th Percentile:	45
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	59.22%
# in 10 MPH pace:	61

Comments:

Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	1	0.97%	0.97%
26	0	0.00%	0.97%
27	2	1.94%	2.91%
28	2	1.94%	4.85%
29	5	4.85%	9.71%
30	5	4.85%	14.56%
31	1	0.97%	15.53%
32	4	3.88%	19.42%
33	3	2.91%	22.33%
34	5	4.85%	27.18%
35	4	3.88%	31.07%
36	3	2.91%	33.98%
37	4	3.88%	37.86%
38	6	5.83%	43.69%
39	9	8.74%	52.43%
40	10	9.71%	62.14%
41	8	7.77%	69.90%
42	7	6.80%	76.70%
43	5	4.85%	81.55%
44	2	1.94%	83.50%
45	4	3.88%	87.38%
46	5	4.85%	92.23%
47	2	1.94%	94.17%
48	2	1.94%	96.12%
49	2	1.94%	98.06%
50	0	0.00%	98.06%
51	0	0.00%	98.06%
52	1	0.97%	99.03%
53	1	0.97%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

No. of Vehicles: 103 100%



Prepared by NDS/ARD

VOLUME

Ferrero Pkwy Bet. Grand Ave & Machillin Ct

Day: Tuesday
Date: 4/18/2017

City: City of Industry
Project #: CA17_5229_017

DAILY TOTALS						NB	SB	EB	WB	Total	
						1,504	1,561	0	0	3,065	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	1	2			3	12:00	27	51			118
0:15	1	1			2	12:15	49	40			89
0:30	3	14			17	12:30	37	27			64
0:45	1	6	1	18	2	12:45	47	160	32	190	79
1:00	2	0			2	13:00	41	27			68
1:15	4	1			5	13:15	28	27			55
1:30	1	2			3	13:30	51	21			72
1:45	1	8	1	4	2	13:45	80	130	13	88	43
2:00	0	15			15	14:00	17	20			37
2:15	0	0			0	14:15	13	25			38
2:30	1	0			1	14:30	19	17			36
2:45	0	1	1	15	1	14:45	11	60	27	89	38
3:00	0	0			0	15:00	18	47			65
3:15	0	1			1	15:15	13	27			40
3:30	1	0			1	15:30	11	27			38
3:45	9	10	0	1	9	15:45	17	59	11	112	28
4:00	3	1			4	16:00	8	21			29
4:15	0	0			0	16:15	6	11			17
4:30	0	1			1	16:30	11	18			29
4:45	1	4	0	2	1	16:45	14	39	34	84	48
5:00	0	1			1	17:00	12	161			173
5:15	7	0			7	17:15	8	58			66
5:30	13	1			14	17:30	15	81			96
5:45	53	73	10	12	63	17:45	7	42	41	341	48
6:00	21	8			29	18:00	8	81			89
6:15	13	1			14	18:15	6	60			66
6:30	5	5			10	18:30	3	29			32
6:45	11	50	3	17	14	18:45	1	18	26	196	27
7:00	10	4			14	19:00	2	17			19
7:15	29	2			31	19:15	3	23			26
7:30	52	12			64	19:30	0	16			16
7:45	93	184	7	25	100	19:45	2	7	6	62	8
8:00	95	9			104	20:00	3	11			14
8:15	100	11			111	20:15	3	10			13
8:30	69	15			84	20:30	0	4			4
8:45	81	345	15	51	97	20:45	3	9	4	29	7
9:00	51	6			58	21:00	0	2			2
9:15	47	20			67	21:15	0	1			1
9:30	22	10			32	21:30	2	0			2
9:45	26	147	14	50	40	21:45	4	6	3	6	7
10:00	16	23			39	22:00	2	3			5
10:15	25	9			34	22:15	3	0			3
10:30	14	9			23	22:30	2	1			3
10:45	21	76	21	62	42	22:45	0	7	1	5	1
11:00	11	17			28	23:00	1	2			3
11:15	13	16			29	23:15	1	1			2
11:30	18	26			44	23:30	2	2			4
11:45	15	58	36	95	51	23:45	1	5	1	6	2
TOTALS	962	353			1315	TOTALS	542	1208			1750
SPLIT %	73.2%	26.8%			42.9%	SPLIT %	31.0%	69.0%			57.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						1,504	1,561	0	0	3,065

AM Peak Hour	7:45	11:45	7:45	PM Peak Hour	12:15	17:00	16:45
AM Pk Volume	357	194	389	PM Pk Volume	174	341	383
Pk Hr Factor	0.893	0.533	0.899	Pk Hr Factor	0.888	0.530	0.553
7 - 9 Volume	529	76	605	4 - 6 Volume	81	425	506
7 - 9 Peak Hour	7:45	8:00	7:45	4 - 6 Peak Hour	16:45	17:00	16:45
7 - 9 Pk Volume	357	51	389	4 - 6 Pk Volume	49	341	383
Pk Hr Factor	0.893	0.297	0.899	Pk Hr Factor	0.837	0.530	0.553

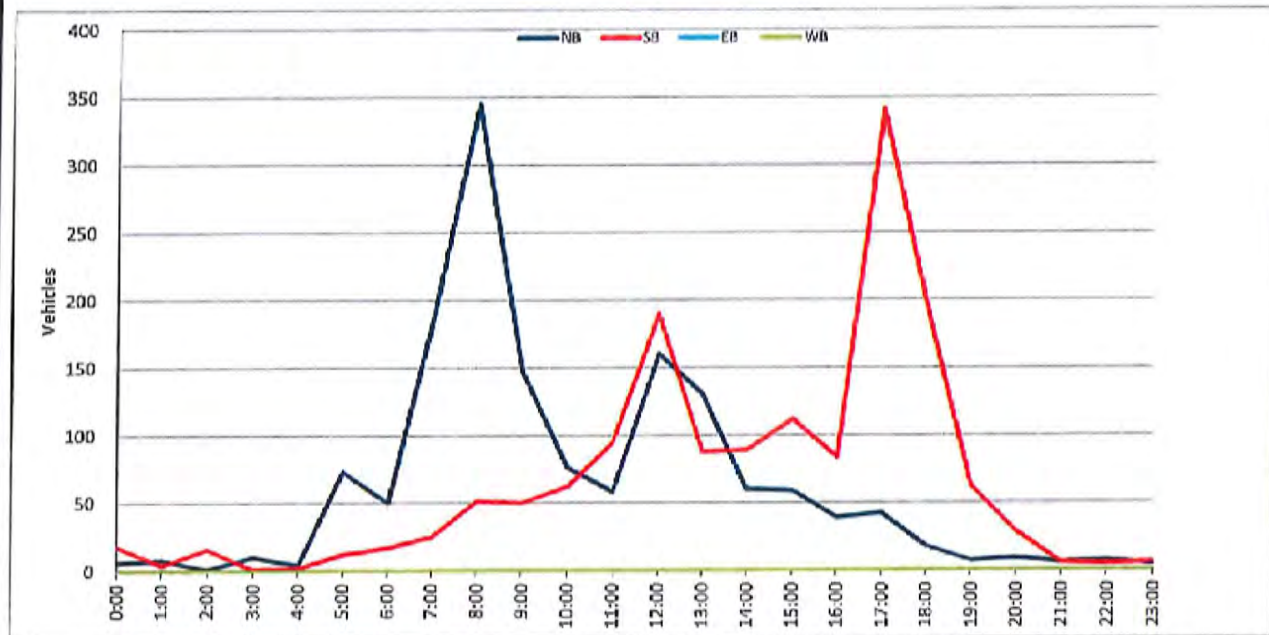
Prepared by NDS/ATD

Project #: CA17_5229_017

City: City of Industry

Location: Ferrero Pkwy Bet. Grand Ave & Machilin Ct

Date: 4/18/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

45

STREET Turnbull Canyon Road
FROM Don Julian

CERTIFICATION DATE:
TO Salt Lake

SPEED FACTORS

Date of Speed Survey	3/16/2018
Time of Speed Survey	10:15 AM to 10:45 AM
50th Percentile Speed (Mean Speed)	35.0
85th Percentile Speed	39.0
10 mph Pace Speed	30 to 39
Percentage of Vehicles in Pace	70.9%
Number of Survey Samples	103

Posted Speed Limit	-
Speed Justification	85th Percentile speed rounded down per CVC Section 21400(b). South of Salt Lake beyond City boundary has 35 mph speed limit.
Recommended Speed Limit	35

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

Average Daily Traffic	15,621	Date Counted	4/18/2017
Number of Lanes	Two lanes each direction with two-way left turn lane		
Type of Traffic Control	Signalized at Don Julian Rd, two-way stop controlled along Salt Lake Ave		
Crosswalks?	Yes, at Don Julian Rd		
Pedestrian Traffic	Yes		
Truck Traffic	Yes		
On-Street Parking	No, red curb both sides		
Sidewalks?	Yes, both sides		
Driveways?	Yes, frequent		

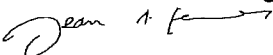
ROADWAY FACTORS

Length of Segment	1,153'
Width	64'
Vertical Curve	No
Horizontal Curve	No
Visibility	Clear
Roadway Conditions	Fair
Lighting	Yes, both sides
Adjacent Land Use	Industrial

Field Study By KHA

Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/2018

Date

TE 2097

State Registration Number

Engineering and Traffic Survey

City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Turnbull Canyon Rd
Spt.Sp. Location: Bet. Don Julian Rd & Salt Lake Ave East Leg

Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	1	0.97%	0.97%
24	0	0.00%	0.97%
25	3	2.91%	3.88%
26	1	0.97%	4.85%
27	3	2.91%	7.77%
28	3	2.91%	10.68%
29	4	3.88%	14.56%
30	7	6.80%	21.36%
31	5	4.85%	26.21%
32	9	8.74%	34.95%
33	7	6.80%	41.75%
34	4	3.88%	45.63%
35	11	10.68%	56.31%
36	9	8.74%	65.05%
37	4	3.88%	68.93%
38	7	6.80%	75.73%
39	10	9.71%	85.44%
40	6	5.83%	91.26%
41	2	1.94%	93.20%
42	3	2.91%	96.12%
43	0	0.00%	96.12%
44	1	0.97%	97.09%
45	2	1.94%	99.03%
46	0	0.00%	99.03%
47	0	0.00%	99.03%
48	0	0.00%	99.03%
49	0	0.00%	99.03%
50	0	0.00%	99.03%
51	0	0.00%	99.03%
52	1	0.97%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

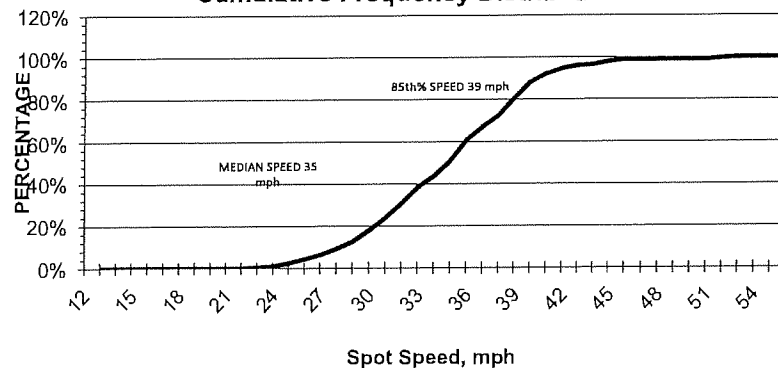
Date: 3/16/2018 **Day:** Friday
Time From: 10:15 AM **To:** 10:45 AM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 35 mph
Street Width: 64'
Comm./Resid.: Commercial
Direction: Northbound/Southbound

DATA ANALYSIS:

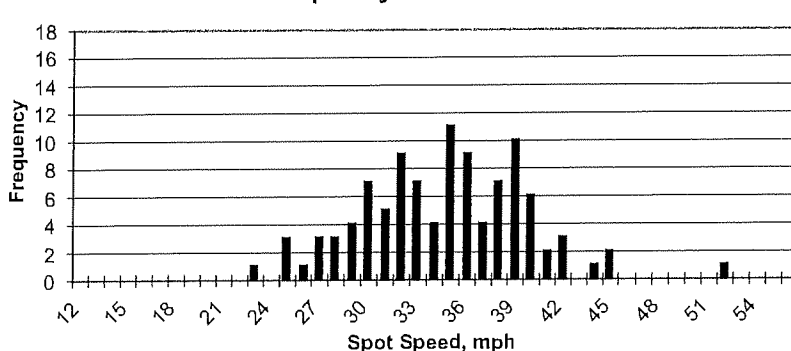
Average Speed:	35
Standard Deviation:	5
Standard error of the mean:	0.49
15th Percentile:	30
50th Percentile:	35
85th Percentile:	39
10 Mile Pace:	30 to 39
% of Samples in 10-Mile Pace:	70.87%
# in 10 MPH pace:	73

Comments: _____

Cumulative Frequency Distribution



Frequency Distribution



No. of Vehicles: 103 100%

Prepared by NDS/ATD

VOLUME

Turnbull Canyon Rd Bet. Don Julian Rd & Salt Lake Ave

Day: Tuesday
Date: 4/18/2017

City: City of Industry
Project #: CA17_5229_045

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	7,859	7,762	15,621			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00			22	4	26	12:00			93	133	226	
0:15			6	8	14	12:15			135	132	267	
0:30			4	7	11	12:30			111	136	247	
0:45			17	49	11	12:45			130	469	104	505
1:00			7	8	15	13:00			106	119	225	
1:15			7	4	11	13:15			121	114	235	
1:30			7	5	12	13:30			113	174	287	
1:45			5	26	5	13:45			103	443	134	541
2:00			3	7	10	14:00			100	154	254	
2:15			5	3	8	14:15			137	118	255	
2:30			8	12	20	14:30			150	175	325	
2:45			8	24	7	14:45			355	542	163	610
3:00			9	20	29	15:00			196	141	337	
3:15			8	10	18	15:15			151	138	289	
3:30			16	9	25	15:30			173	176	349	
3:45			16	49	10	15:45			141	651	144	599
4:00			10	21	31	16:00			167	143	310	
4:15			15	22	37	16:15			144	166	310	
4:30			39	19	58	16:30			187	180	367	
4:45			47	111	24	16:45			155	633	170	659
5:00			38	26	64	17:00			155	234	389	
5:15			32	33	65	17:15			146	158	304	
5:30			39	46	85	17:30			188	192	380	
5:45			70	179	47	17:45			132	621	138	722
6:00			37	47	84	18:00			157	143	300	
6:15			47	43	90	18:15			122	130	252	
6:30			78	58	135	18:30			117	108	225	
6:45			111	273	78	18:45			90	486	113	494
7:00			119	131	250	19:00			80	80	160	
7:15			186	195	381	19:15			77	73	150	
7:30			228	155	384	19:30			75	79	154	
7:45			224	757	107	19:45			59	291	80	312
8:00			159	119	278	20:00			59	57	116	
8:15			168	115	283	20:15			45	49	94	
8:30			158	100	258	20:30			47	41	88	
8:45			120	605	96	20:45			30	181	48	195
9:00			117	89	206	21:00			44	33	77	
9:15			108	92	200	21:15			34	43	77	
9:30			101	103	204	21:30			47	29	76	
9:45			87	413	106	21:45			32	157	40	145
10:00			85	122	207	22:00			25	29	54	
10:15			95	88	183	22:15			28	32	60	
10:30			104	109	213	22:30			21	26	47	
10:45			96	380	80	22:45			15	89	23	110
11:00			89	88	177	23:00			11	12	23	
11:15			93	102	195	23:15			7	15	22	
11:30			89	126	215	23:30			10	14	24	
11:45			96	367	103	23:45			5	33	7	48
TOTALS			3233	2822	6055	TOTALS			4626	4940	9566	
SPLIT %			53.4%	46.6%	38.8%	SPLIT %			48.4%	51.6%	61.2%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	7,859	7,762	15,621

AM Peak Hour	7:15	7:00	7:45	PM Peak Hour	14:45	16:45	16:45
AM Pk Volume	797	589	1374	PM Pk Volume	675	754	1398
Pk Hr Factor	0.874	0.755	0.895	Pk Hr Factor	0.861	0.806	0.898
7 - 9 Volume	1362	1019	3381	4 - 6 Volume	1274	1381	2655
7 - 9 Peak Hour	7:15	7:00	7:45	4 - 6 Peak Hour	16:00	16:45	16:45
7 - 9 Pk Volume	797	589	1374	4 - 6 Pk Volume	651	754	1398
Pk Hr Factor	0.874	0.755	0.895	Pk Hr Factor	0.673	0.806	0.898

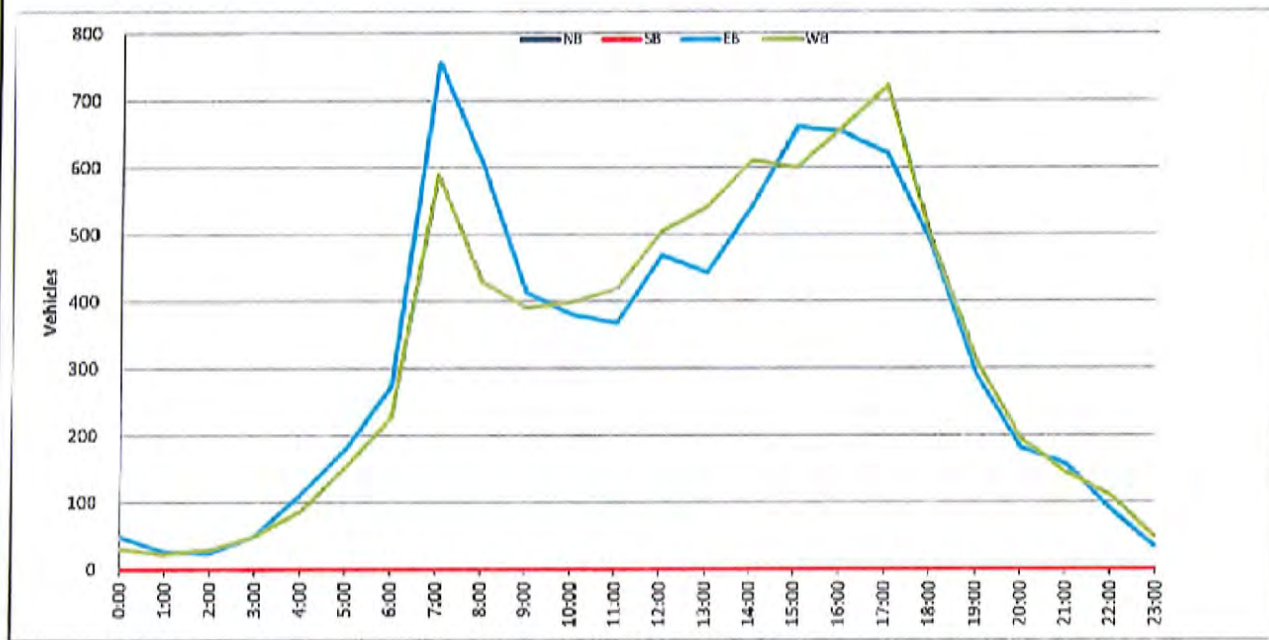
Prepared by NDS/ATD

Project #: CA17_5229_045

City: City of Industry

Location: Turnbull Canyon Rd Bet. Don Julian Rd &

Date: 4/18/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

46

STREET Turnbull Canyon Road
FROM Valley

CERTIFICATION DATE:
TO Proctor

SPEED FACTORS

Date of Speed Survey 3/16/2018
 Time of Speed Survey 11:15 AM to 11:39 AM
 50th Percentile Speed (Mean Speed) 37.0
 85th Percentile Speed 43.0
 10 mph Pace Speed 33 to 42
 Percentage of Vehicles in Pace 68.6%
 Number of Survey Samples 105

Posted Speed Limit 35
Speed Justification
 Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
Recommended Speed Limit 40

COLLISION HISTORY

Number of Years Studied 3
 Total Collisions 1
 Collision Rate (ACC/MVM) 0.43
 Expected Collisions (ACC/MVM) 1.18

TRAFFIC FACTORS

Average Daily Traffic	8,934	Date Counted	4/18/2017
Number of Lanes	Two lanes each direction with two-way left turn lane		
Type of Traffic Control	Signalized at Valley Blvd, signalized at Proctor Ave		
Crosswalks?	Yes, at Valley Blvd, at Proctor Ave		
Pedestrian Traffic	Few		
Truck Traffic	Yes		
On-Street Parking	No, red curb both sides		
Sidewalks?	Yes, both sides		
Driveways?	Yes, frequent		

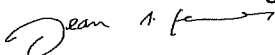
ROADWAY FACTORS

Length of Segment 1,256'
 Width 64'
 Vertical Curve No
 Horizontal Curve No
 Visibility Clear
 Roadway Conditions Fair
 Lighting Yes, both sides
 Adjacent Land Use Commercial / Industrial

Field Study By KHA

Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/2018

TE 2097

Jean Fares

Date

State Registration Number

Engineering and Traffic Survey
City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Turnbull Canyon Rd
Spt.Sp.d. Location: Bet. Valley Blvd & Proctor Ave

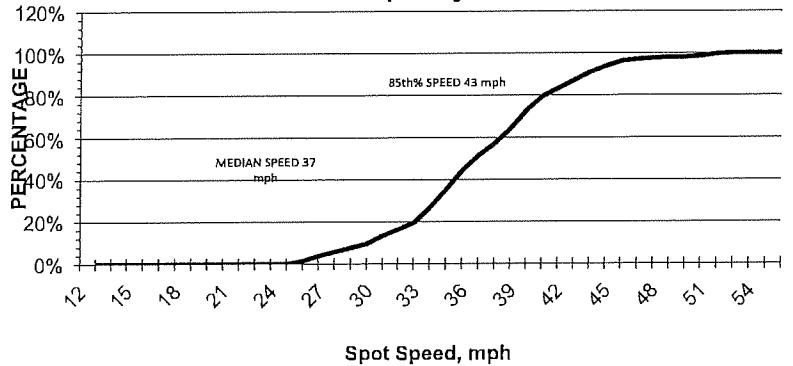
Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	3	2.86%	2.86%
27	2	1.90%	4.76%
28	2	1.90%	6.67%
29	2	1.90%	8.57%
30	2	1.90%	10.48%
31	6	5.71%	16.19%
32	0	0.00%	16.19%
33	7	6.67%	22.86%
34	8	7.62%	30.48%
35	10	9.52%	40.00%
36	9	8.57%	48.57%
37	6	5.71%	54.29%
38	6	5.71%	60.00%
39	9	8.57%	68.57%
40	9	8.57%	77.14%
41	5	4.76%	81.90%
42	3	2.86%	84.76%
43	5	4.76%	89.52%
44	3	2.86%	92.38%
45	3	2.86%	95.24%
46	2	1.90%	97.14%
47	0	0.00%	97.14%
48	1	0.95%	98.10%
49	0	0.00%	98.10%
50	0	0.00%	98.10%
51	1	0.95%	99.05%
52	1	0.95%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

Date: 3/16/2018 **Day:** Friday
Time From: 11:15 AM **To:** 11:39 AM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 35 mph
Street Width: 64'
Comm./Resid.: Commercial
Direction: Northbound/Southbound

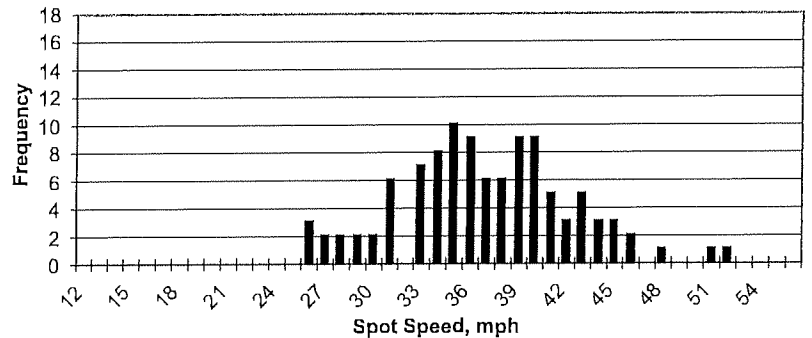
DATA ANALYSIS:

Average Speed:	37
Standard Deviation:	5
Standard error of the mean:	0.49
15th Percentile:	31
50th Percentile:	37
85th Percentile:	43
10 Mile Pace:	33 to 42
% of Samples in 10-Mile Pace:	68.57%
# in 10 MPH pace:	72
Comments:	

Cumulative Frequency Distribution



Frequency Distribution



No. of Vehicles: 105 100%

Prepared by NDS/ATD

VOLUME

Turnbull Canyon Rd Bet. Valley Blvd & Proctor Ave

Day: Tuesday
Date: 18-04-2017

City: City of Industry
Project #: CA17_5229_046

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	4,426	4,508	8,934	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00			13	5	18	12:00			70	69	139
0:15			3	4	7	12:15			61	78	139
0:30			4	8	12	12:30			53	70	123
0:45		24	1	18	5	12:45		254	66	283	136
1:00			6	3	9	13:00			51	69	114
1:15			5	4	9	13:15			70	70	140
1:30			2	2	4	13:30			78	86	164
1:45		16	2	11	5	13:45		271	71	290	143
2:00			4	1	5	14:00			57	69	126
2:15			1	2	3	14:15			65	83	148
2:30			3	5	8	14:30			122	81	203
2:45		9	3	11	4	14:45		338	90	323	184
3:00			5	8	13	15:00			105	71	176
3:15			2	2	4	15:15			95	71	166
3:30			4	6	10	15:30			129	73	202
3:45		15	14	30	18	15:45		408	84	299	163
4:00			4	13	17	16:00			113	63	176
4:15			1	17	18	16:15			101	85	186
4:30			11	34	45	16:30			120	76	196
4:45		34	35	99	53	16:45		442	89	313	197
5:00			16	19	35	17:00			129	97	226
5:15			8	30	38	17:15			132	85	217
5:30			10	47	57	17:30			101	80	181
5:45		51	55	151	72	17:45		476	77	339	191
6:00			20	27	47	18:00			101	71	172
6:15			12	40	52	18:15			92	65	157
6:30			37	50	87	18:30			62	53	115
6:45		103	73	190	107	18:45		308	43	232	96
7:00			44	92	136	19:00			53	41	94
7:15			74	129	203	19:15			46	35	82
7:30			104	95	203	19:30			43	45	88
7:45		313	75	395	166	19:45		177	41	163	76
8:00			79	83	162	20:00			33	23	56
8:15			71	87	158	20:15			23	30	53
8:30			76	75	151	20:30			32	25	57
8:45		293	79	324	146	20:45		107	20	98	39
9:00			62	80	142	21:00			21	17	38
9:15			47	57	104	21:15			21	23	44
9:30			53	67	120	21:30			29	17	46
9:45		209	58	262	105	21:45		92	21	78	42
10:00			40	78	118	22:00			16	15	31
10:15			48	51	99	22:15			13	21	34
10:30			49	72	121	22:30			12	7	19
10:45		197	53	254	113	22:45		52	34	57	25
11:00			50	68	118	23:00			13	7	20
11:15			43	64	107	23:15			5	7	12
11:30			53	71	124	23:30			14	5	19
11:45		201	59	262	114	23:45		35	7	26	11
TOTALS			1465	2007	3472	TOTALS			2951	2501	5452
SPLIT %			42.2%	57.8%	38.9%	SPLIT %			54.2%	45.8%	61.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	4,426	4,508	8,934

AM Peak Hour	7:15	7:00	7:15	PM Peak Hour	16:30	16:45	16:30
AM Pk Volume	348	395	734	PM Pk Volume	489	351	836
Pk Hr Factor	0.837	0.766	0.504	Pk Hr Factor	0.526	0.905	0.925
7 - 9 Volume	606	739	1323	4 - 6 Volume	931	652	1570
7 - 9 Peak Hour	7:15	7:00	7:15	4 - 6 Peak Hour	16:30	16:45	16:30
7 - 9 Pk Volume	348	395	734	4 - 6 Pk Volume	489	351	836
Pk Hr Factor	0.837	0.766	0.504	Pk Hr Factor	0.526	0.905	0.925

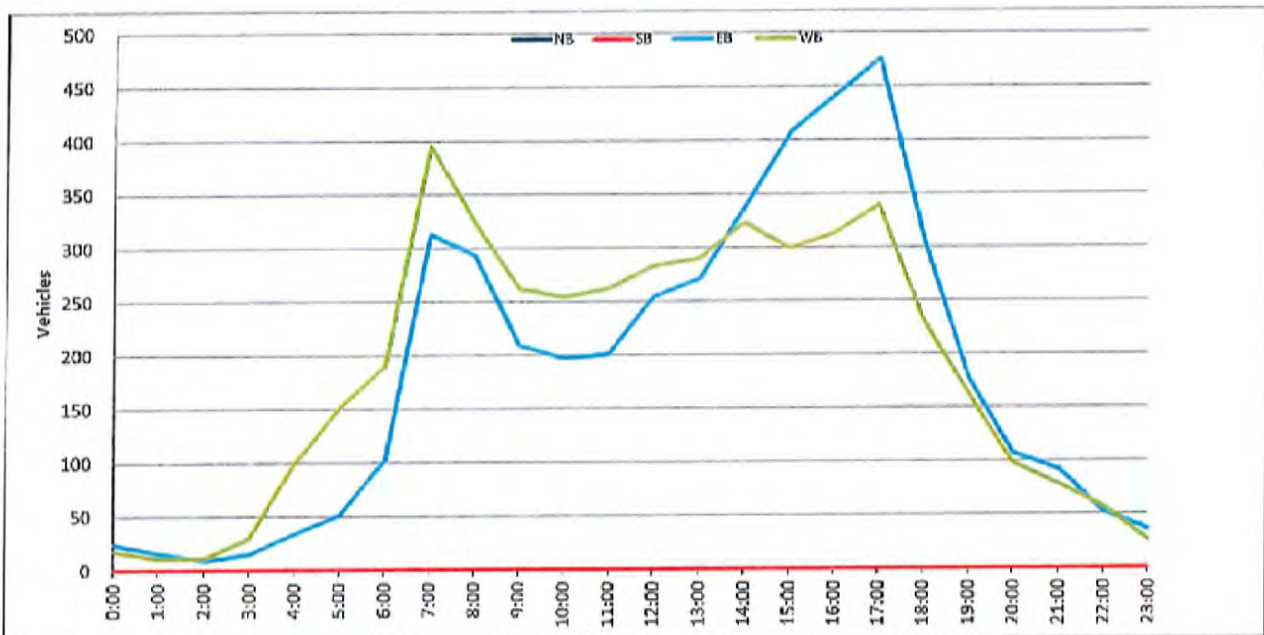
Prepared by NDS/ATD

Project #: CA17_5229_046

City: City of Industry

Location: Turnbull Canyon Rd Bet. Valley Blvd &

Date: 4/18/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

47

STREET Turnbull Canyon Road
FROM Proctor

CERTIFICATION DATE:
TO Don Julian

SPEED FACTORS

Date of Speed Survey 3/16/2018
 Time of Speed Survey 10:50 AM to 11:10 AM
 50th Percentile Speed (Mean Speed) 38.0
 85th Percentile Speed 44.0
 10 mph Pace Speed 33 to 42
 Percentage of Vehicles in Pace 68.3%
 Number of Survey Samples 101

Posted Speed Limit 35
Speed Justification
 Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
Recommended Speed Limit 40

COLLISION HISTORY

Number of Years Studied 3
 Total Collisions 3
 Collision Rate (ACC/MVM) 0.81
 Expected Collisions (ACC/MVM) 1.18

TRAFFIC FACTORS

Average Daily Traffic	12,868	Date Counted	4/27/2017
Number of Lanes	Two lanes each direction with two-way left turn lane		
Type of Traffic Control	Signalized at Don Julian Rd, signalized at Proctor Ave		
Crosswalks?	Yes, at Don Julian Rd, at Proctor Ave		
Pedestrian Traffic	Few		
Truck Traffic	Yes		
On-Street Parking	No, red curb both sides		
Sidewalks?	Yes, only on east side		
Driveways?	Yes, few		

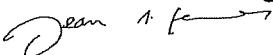
ROADWAY FACTORS

Length of Segment 1,381'
 Width 64'
 Vertical Curve No
 Horizontal Curve No
 Visibility Clear
 Roadway Conditions Fair
 Lighting Yes, both sides
 Adjacent Land Use Industrial

Field Study By KHA

Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/2018

Date

TE 2097

State Registration Number

Engineering and Traffic Survey
City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Turnbull Canyon Rd
Spt.Sp. Location: Bet.Proctor Ave & Don Julian Rd

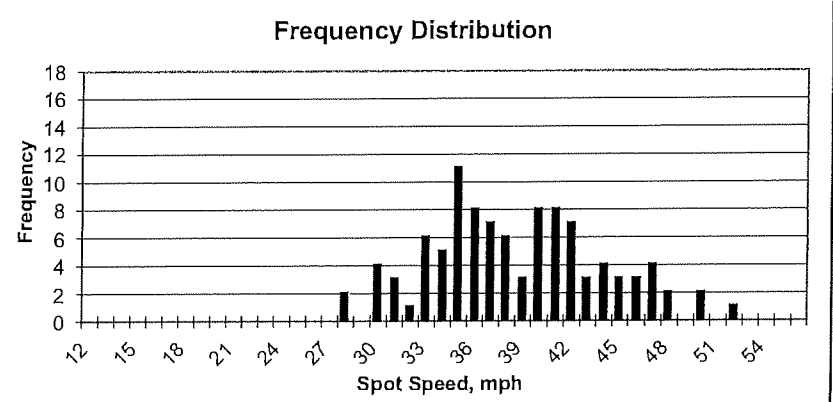
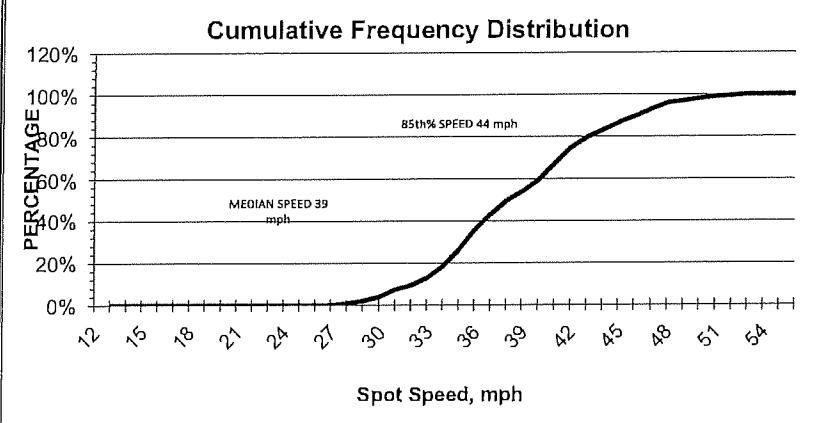
Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	2	1.98%	1.98%
29	0	0.00%	1.98%
30	4	3.96%	5.94%
31	3	2.97%	8.91%
32	1	0.99%	9.90%
33	6	5.94%	15.84%
34	5	4.95%	20.79%
35	11	10.89%	31.68%
36	8	7.92%	39.60%
37	7	6.93%	46.53%
38	6	5.94%	52.48%
39	3	2.97%	55.45%
40	8	7.92%	63.37%
41	8	7.92%	71.29%
42	7	6.93%	78.22%
43	3	2.97%	81.19%
44	4	3.96%	85.15%
45	3	2.97%	88.12%
46	3	2.97%	91.09%
47	4	3.96%	95.05%
48	2	1.98%	97.03%
49	0	0.00%	97.03%
50	2	1.98%	99.01%
51	0	0.00%	99.01%
52	1	0.99%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

Date: 3/16/2018 **Day:** Friday
Time From: 10:50 AM **To:** 11:10 AM
Weather: Clear/Dry
Number of Lanes: 4
Posted Speed: 35 mph
Street Width: 64'
Comm./Resid.: Commercial
Direction: Northbound/Southbound

DATA ANALYSIS:

Average Speed:	39
Standard Deviation:	5
Standard error of the mean:	0.5
15th Percentile:	33
50th Percentile:	38
85th Percentile:	44
10 Mile Pace:	33 to 42
% of Samples in 10-Mile Pace:	68.32%
# in 10 MPH pace:	69

Comments: _____



No. of Vehicles: 101 100%

Prepared by NDS/ARD

VOLUME

Turnbull Canyon Rd Bet. Proctor Ave & Don Julian Rd

Day: Thursday
Date: 4/27/2017

City: City of Industry
Project #: CA17_5229_047

DAILY TOTALS						NB	SB	EB	WB	Total		
						0	0	6,938	5,930	12,868		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00			19	6	25	12:00			97	79	176	
0:15			7	6	13	12:15			95	114	209	
0:30			3	4	7	12:30			109	95	204	
0:45			7	36	3	12:45			103	404	104	392
1:00			11	5	16	13:00			99	119	218	
1:15			4	4	8	13:15			112	84	196	
1:30			5	2	7	13:30			129	119	248	
1:45			5	25	2	13:45			107	447	88	410
2:00			2	4	6	14:00			94	82	176	
2:15			3	3	6	14:15			117	114	231	
2:30			6	3	9	14:30			144	158	302	
2:45			2	13	8	14:45			123	478	117	471
3:00			9	14	23	15:00			161	108	269	
3:15			6	5	11	15:15			152	88	240	
3:30			5	6	11	15:30			178	124	302	
3:45			18	38	8	15:45			125	516	101	421
4:00			10	13	23	16:00			153	144	297	
4:15			11	16	27	16:15			139	129	268	
4:30			23	28	51	16:30			174	125	299	
4:45			55	99	43	16:45			145	611	122	514
5:00			34	19	53	17:00			154	134	288	
5:15			33	23	56	17:15			150	120	270	
5:30			36	29	65	17:30			169	121	290	
5:45			59	162	74	17:45			129	602	135	510
6:00			41	36	77	18:00			125	109	234	
6:15			21	34	55	18:15			132	86	218	
6:30			63	58	121	18:30			99	74	173	
6:45			71	195	68	18:45			75	431	79	348
7:00			72	82	154	19:00			76	60	136	
7:15			130	156	286	19:15			68	64	132	
7:30			150	126	276	19:30			73	44	117	
7:45			159	511	93	19:45			48	265	48	216
8:00			125	109	234	20:00			54	35	89	
8:15			136	95	231	20:15			34	27	61	
8:30			131	103	234	20:30			42	40	82	
8:45			105	498	98	20:45			30	160	21	123
9:00			113	83	196	21:00			37	26	63	
9:15			83	82	165	21:15			25	27	52	
9:30			90	70	160	21:30			39	26	65	
9:45			93	379	65	21:45			24	125	32	111
10:00			93	78	171	22:00			27	18	45	
10:15			74	57	131	22:15			26	13	39	
10:30			96	79	175	22:30			22	14	36	
10:45			96	359	73	22:45			12	87	13	58
11:00			86	88	174	23:00			19	15	34	
11:15			88	89	177	23:15			10	9	19	
11:30			91	80	171	23:30			11	3	14	
11:45			83	348	89	23:45			8	48	10	37
TOTALS			2664	2319	4983	TOTALS			4274	3611	7885	
SPLIT %			53.5%	46.5%	38.7%	SPLIT %			54.2%	45.8%	61.3%	

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	6,938	5,930	12,868

AM Peak Hour	7:30	7:15	7:15	PM Peak Hour	16:30	16:00	16:00
AM Pk Volume	570	484	1038	PM Pk Volume	623	514	1125
Pk Hr Factor	0.895	0.776	0.916	Pk Hr Factor	0.895	0.892	0.941
7 - 9 Volume	1005	862	1871	4 - 6 Volume	1213	1024	2237
7 - 9 Peak Hour	7:30	7:15	7:15	4 - 6 Peak Hour	16:30	16:00	16:00
7 - 9 Pk Volume	570	484	1038	4 - 6 Pk Volume	623	514	1125
Pk Hr Factor	0.895	0.776	0.916	Pk Hr Factor	0.895	0.892	0.941

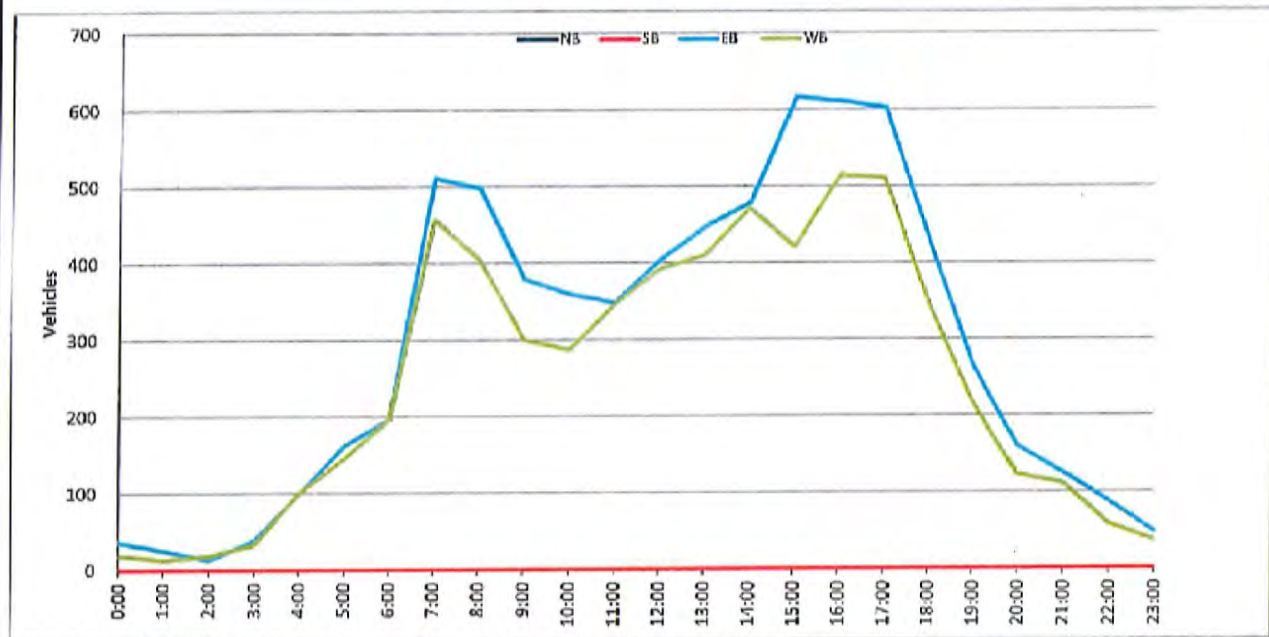
Prepared by NDS/ATD

Project #: CA17_5229_047

City: City of Industry

Location: Turnbull Canyon Rd Bet. Proctor Ave & Don

Date: 4/27/2017



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

54

STREET GALE AVENUE
FROM STONER CREEK ROAD

CERTIFICATION DATE:
TO FULLERTON ROAD

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	45 MPH
Time of Speed Survey	9:00 AM to 12:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	39.0	Speed limit decreased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	43.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	74.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples	201		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	21
Collision Rate (ACC/MVM)	2.01
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

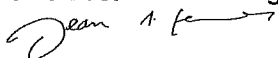
Average Daily Traffic	23,332	Date Counted	8/23/2016
Number of Lanes	4		
Type of Traffic Control	Signalized at Stoner Creek Rd, Plaza Dr, Fullerton Rd		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Yes		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	2,165'
Width	60'
Vertical Curve	No
Horizontal Curve	Yes, reverse curve west of Fullerton Rd
Visibility	Some restriction due to horizontal curvature
Roadway Conditions	Busy plaza centers adjacent to segment; adjacent to freeway
Lighting	Yes
Adjacent Land Use	Commercial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	TE 2097
	5/23/18	State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Gale Ave
Spt.Spd. Location: Stoner Creek Rd & Fullerton Rd

Ref. # 01

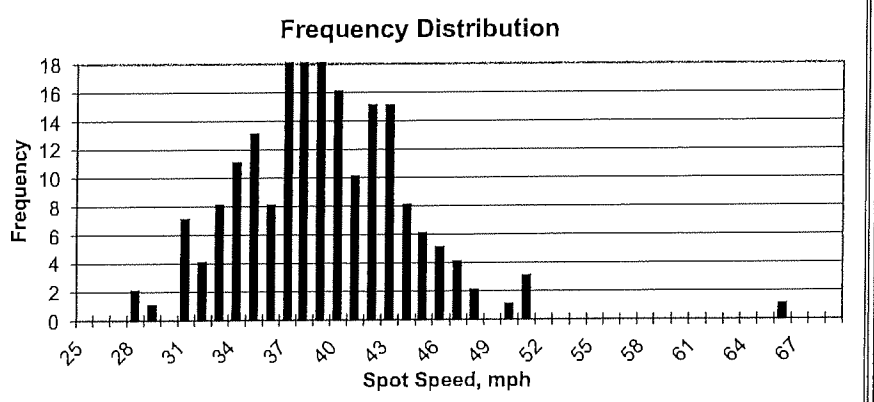
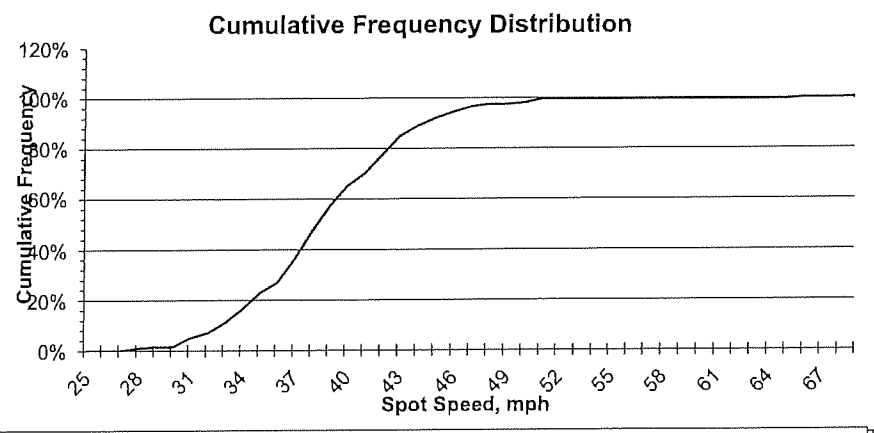
Speed	Frequency	Percent	Cumulative Percent
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	2	1.00%	1.00%
29	1	0.50%	1.49%
30	0	0.00%	1.49%
31	7	3.48%	4.98%
32	4	1.99%	6.97%
33	8	3.98%	10.95%
34	11	5.47%	16.42%
35	13	6.47%	22.89%
36	8	3.98%	26.87%
37	19	9.45%	36.32%
38	22	10.95%	47.26%
39	20	9.95%	57.21%
40	16	7.96%	65.17%
41	10	4.98%	70.15%
42	15	7.46%	77.61%
43	15	7.46%	85.07%
44	8	3.98%	89.05%
45	6	2.99%	92.04%
46	5	2.49%	94.53%
47	4	1.99%	96.52%
48	2	1.00%	97.51%
49	0	0.00%	97.51%
50	1	0.50%	98.01%
51	3	1.49%	99.50%
52	0	0.00%	99.50%
53	0	0.00%	99.50%
54	0	0.00%	99.50%
55	0	0.00%	99.50%
56	0	0.00%	99.50%
57	0	0.00%	99.50%
58	0	0.00%	99.50%
59	0	0.00%	99.50%
60	0	0.00%	99.50%
61	0	0.00%	99.50%
62	0	0.00%	99.50%
63	0	0.00%	99.50%
64	0	0.00%	99.50%
65	0	0.00%	99.50%
66	1	0.50%	100.00%
67	0	0.00%	100.00%
68	0	0.00%	100.00%
69	0	0.00%	100.00%

Date: 8/24/2016 **Day:** Wednesday
Weather: Partly Cloudy
Hours: 9:00 AM **To** 12:00 PM
Number of Lanes: 4
Posted Speed: 45 mph
Channelization: Skip dash 2 way traffic
Street Width: 60'
Comm./Resid.: Commercial
DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	39
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	34
50th Percentile:	39
85th Percentile:	43
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	74.13%
# in 10 MPH pace:	149

Comments: _____



Total: 201 100%

Prepared by MDS/ATO

VOLUME

Gale Ave Bet. Stoner Creek Rd & Fullerton Rd

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	12,118	11,214	23,332	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			15	9	24	12:00			192	207	399
00:15			6	16	22	12:15			223	205	428
00:30			23	5	28	12:30			238	176	414
00:45			10	54	64	12:45			234	887	1121
01:00			12	4	16	13:00			217	226	443
01:15			5	0	5	13:15			293	217	510
01:30			3	8	11	13:30			263	217	480
01:45			9	29	38	13:45			231	944	1175
02:00			1	8	9	14:00			233	195	428
02:15			5	5	10	14:15			249	183	432
02:30			7	4	11	14:30			220	174	394
02:45			6	19	25	14:45			240	942	1182
03:00			2	6	8	15:00			235	183	418
03:15			4	6	10	15:15			264	175	439
03:30			4	5	9	15:30			266	189	455
03:45			4	14	18	15:45			245	1010	1255
04:00			1	4	5	16:00			246	180	426
04:15			1	6	7	16:15			271	159	430
04:30			6	17	23	16:30			245	131	376
04:45			6	14	20	16:45			288	1050	1338
05:00			11	10	21	17:00			284	194	478
05:15			11	17	28	17:15			320	189	509
05:30			21	28	49	17:30			310	189	499
05:45			25	68	93	17:45			305	1219	1524
06:00			21	44	65	18:00			293	176	469
06:15			27	67	94	18:15			286	175	461
06:30			38	111	149	18:30			276	174	450
06:45			50	136	186	18:45			212	1067	1279
07:00			42	182	224	19:00			222	146	368
07:15			66	228	294	19:15			241	124	365
07:30			86	220	306	19:30			168	135	303
07:45			82	276	358	19:45			168	799	967
08:00			105	235	340	20:00			184	130	314
08:15			102	209	311	20:15			144	98	242
08:30			145	193	338	20:30			142	81	223
08:45			129	481	610	20:45			149	619	768
09:00			99	184	283	21:00			111	82	193
09:15			101	148	249	21:15			117	72	189
09:30			123	143	266	21:30			74	55	129
09:45			94	417	511	21:45			79	381	460
10:00			119	155	274	22:00			78	40	118
10:15			154	174	328	22:15			76	40	116
10:30			159	178	337	22:30			62	32	94
10:45			151	583	734	22:45			54	270	324
11:00			162	211	373	23:00			37	26	63
11:15			160	227	387	23:15			31	15	46
11:30			186	225	411	23:30			31	20	51
11:45			210	718	928	23:45			22	121	143
TOTALS			2809	4629	7438	TOTALS			9309	6585	15894
SPLIT %			37.8%	62.2%	81.9%	SPLIT %			58.6%	41.4%	68.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	12,118	11,214	23,332

AM Peak Hour	11:45	07:15	11:45	PM Peak Hour	17:15	12:45	17:00
AM Pk Volume	863	939	1675	PM Pk Volume	1228	873	1973
Pk Hr Factor	0.907	0.917	0.965	Pk Hr Factor	0.959	0.966	0.969
7 - 9 Volume	757	1743	2500	4 - 6 Volume	2269	1394	3663
7 - 9 Peak Hour	08:00	07:15	08:00	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	481	939	1388	4 - 6 Pk Volume	1219	754	1973
Pk Hr Factor	0.828	0.917	0.958	Pk Hr Factor	0.952	0.972	0.969

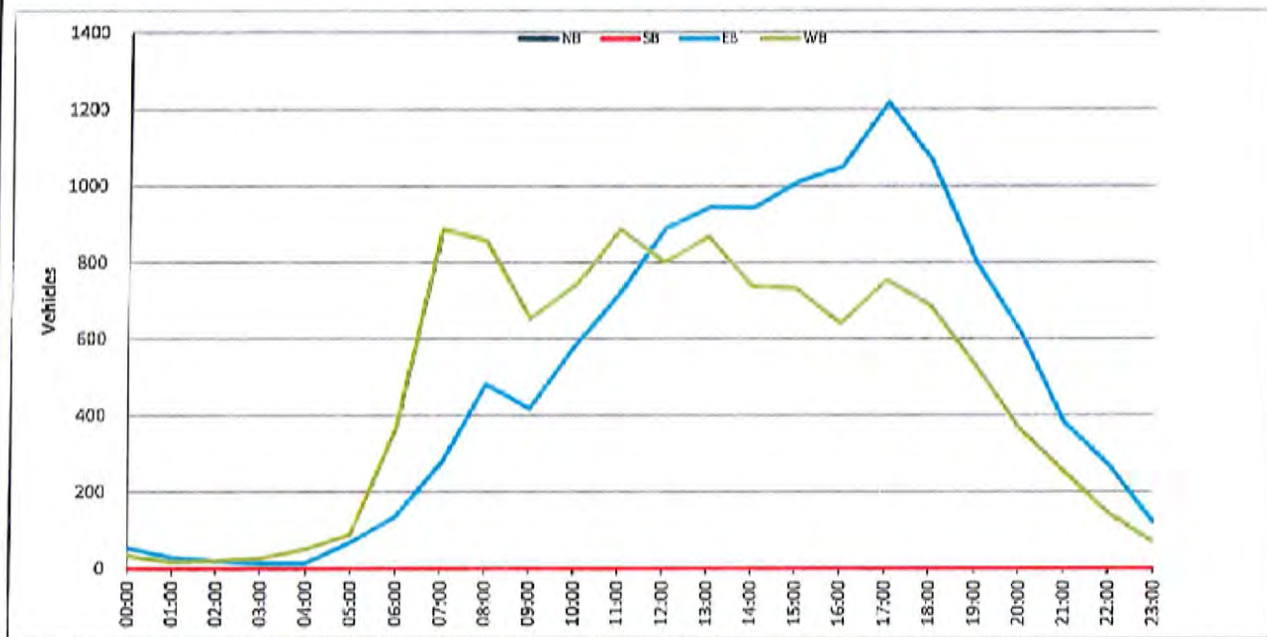
Prepared by NDS/ATD

Project #: CA16_5536_001

City: Industry

Location: Gale Ave Bet. Stoner Creek Rd & Fullerton

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

55

STREET GALE AVENUE
FROM FULLERTON ROAD

CERTIFICATION DATE:
TO JELICK AVENUE

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	45 MPH
Time of Speed Survey	9:00 AM to 12:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37.0	Speed limit decreased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	43.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	65.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples	130		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	13
Collision Rate (ACC/MVM)	2.75
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

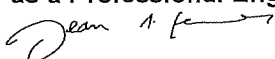
Average Daily Traffic	15,981	Date Counted	10/25/2016
Number of Lanes	4		
Type of Traffic Control	Signalized at Fullerton Rd		
Crosswalks?	At signalized intersection		
Pedestrian Traffic	Yes		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes, both sides		
Driveways?	Yes, both sides		

ROADWAY FACTORS

Length of Segment	1,426'
Width	56'
Vertical Curve	No
Horizontal Curve	Yes, slight curve
Visibility	Clear
Roadway Conditions	Fair
Lighting	Yes, north side only
Adjacent Land Use	Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	5/23/18	TE 2097
	Date	State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Gale Ave
 Spt.Spd. Location: Fullerton Rd & Jellick Ave

Ref. # 01

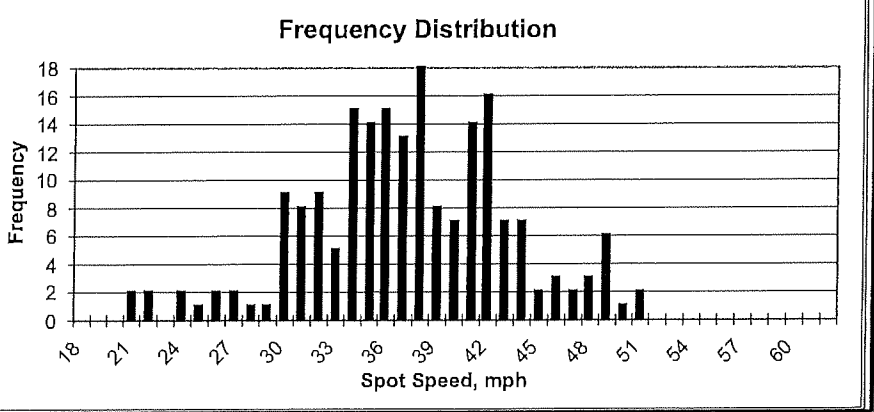
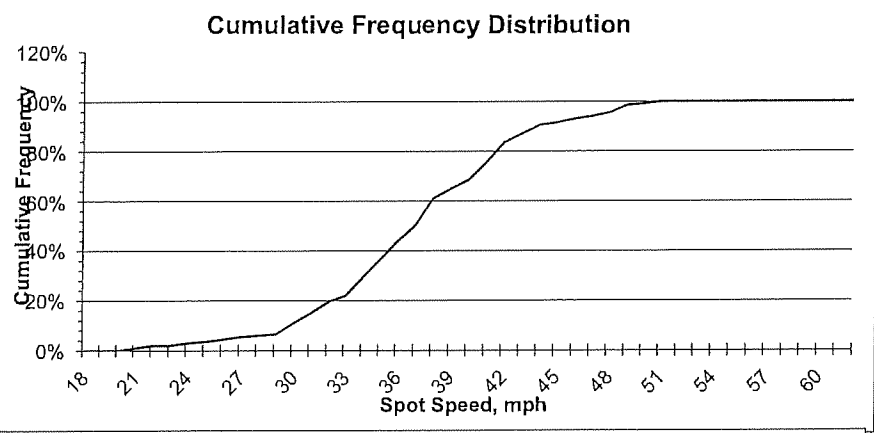
Speed	Frequency	Percent	Cumulative Percent
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	2	1.00%	1.00%
22	2	1.00%	2.00%
23	0	0.00%	2.00%
24	2	1.00%	3.00%
25	1	0.50%	3.50%
26	2	1.00%	4.50%
27	2	1.00%	5.50%
28	1	0.50%	6.00%
29	1	0.50%	6.50%
30	9	4.50%	11.00%
31	8	4.00%	15.00%
32	9	4.50%	19.50%
33	5	2.50%	22.00%
34	15	7.50%	29.50%
35	14	7.00%	36.50%
36	15	7.50%	44.00%
37	13	6.50%	50.50%
38	21	10.50%	61.00%
39	8	4.00%	65.00%
40	7	3.50%	68.50%
41	14	7.00%	75.50%
42	16	8.00%	83.50%
43	7	3.50%	87.00%
44	7	3.50%	90.50%
45	2	1.00%	91.50%
46	3	1.50%	93.00%
47	2	1.00%	94.00%
48	3	1.50%	95.50%
49	6	3.00%	98.50%
50	1	0.50%	99.00%
51	2	1.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
58	0	0.00%	100.00%
59	0	0.00%	100.00%
60	0	0.00%	100.00%
61	0	0.00%	100.00%
62	0	0.00%	100.00%
Total:	200	100%	

Date: 8/24/2016 Day: Wednesday
 Weather: Partly Cloudy
 Hours: 9:00 AM To 12:00 PM
 Number of Lanes: 4
 Posted Speed: 45 mph
 Channelization: Two-way left-turn lane
 Street Width: 56'
 Comm./Resid.: Commercial
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	37
Standard Deviation:	6
Standard error of the mean:	0.42
15th Percentile:	31
50th Percentile:	37
85th Percentile:	43
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	65.00%
# in 10 MPH pace:	130

Comments: _____



Total: 200 100%

Prepared by NDS/ATD

VOLUME

Gale Ave Bet. Fullerton Rd & Jellick Ave

Day: Tuesday
Date: 10/25/2016

City: Industry
Project #: CA16_5536_002

DAILY TOTALS											Total			
				NB	SB			EB	WB			Total		
				0	0			7,412	8,569			15,981		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			24	5	29	12:00			173	165	338			
00:15			8	3	11	12:15			163	190	353			
00:30			9	8	17	12:30			148	151	299			
00:45			10	51	2	18	12:45		157	641	170	676	327	1317
01:00			3		6	9	13:00		159		173	332		
01:15			1		4	5	13:15		141		203	344		
01:30			5		3	8	13:30		142		161	303		
01:45			2	11	1	14	13:45		146	588	184	721	330	1309
02:00			6		6	12	14:00		120		155	275		
02:15			4		1	5	14:15		135		188	323		
02:30			0		1	1	14:30		116		185	301		
02:45			2	12	1	9	14:45		130	501	171	699	301	1200
03:00			2		3	5	15:00		134		197	331		
03:15			2		2	4	15:15		132		187	319		
03:30			2		2	4	15:30		161		167	328		
03:45			4	10	2	9	15:45		107	534	205	756	313	1290
04:00			6		6	12	16:00		112		179	291		
04:15			3		4	7	16:15		116		177	293		
04:30			4		1	5	16:30		138		189	327		
04:45			3	16	7	18	16:45		88	454	165	710	253	1164
05:00			2		4	6	17:00		185		232	417		
05:15			9		6	15	17:15		144		228	372		
05:30			9		6	15	17:30		145		193	338		
05:45			12	32	24	40	17:45		137	611	196	849	333	1460
06:00			20		15	35	18:00		127		163	290		
06:15			26		25	51	18:15		133		234	367		
06:30			38		46	84	18:30		113		180	293		
06:45			50	134	43	129	18:45		77	450	154	731	231	1181
07:00			87		35	122	19:00		85		154	239		
07:15			77		31	108	19:15		74		137	211		
07:30			89		61	150	19:30		55		119	168		
07:45			113	366	117	244	19:45		64	278	112	516	176	794
08:00			104		103	207	20:00		55		85	140		
08:15			121		97	218	20:15		43		81	124		
08:30			123		104	227	20:30		49		75	124		
08:45			112	460	95	399	20:45		45	192	66	307	111	499
09:00			108		107	215	21:00		51		51	102		
09:15			122		112	234	21:15		52		41	93		
09:30			136		87	223	21:30		47		50	97		
09:45			148	514	108	414	21:45		43	193	34	176	27	369
10:00			154		91	245	22:00		41		33	74		
10:15			174		106	280	22:15		34		29	63		
10:30			162		103	265	22:30		25		26	51		
10:45			137	627	123	423	22:45		19	129	21	109	50	238
11:00			145		124	269	23:00		21		17	38		
11:15			128		133	261	23:15		11		18	29		
11:30			123		139	262	23:30		10		11	21		
11:45			158	554	147	543	23:45		12	54	13	59	25	113
TOTALS			2787		2260	5047	TOTALS		4625		6309	10934		
SPLIT %			55.2%		44.8%	31.6%	SPLIT %		42.3%		57.7%	68.4%		

DAILY TOTALS											Total	
				NB	SB			EB	WB			Total
				0	0			7,412	8,569			15,981

AM Peak Hour	11:45	11:45	11:45	PM Peak Hour	12:00	12:00	17:00
AM Pk Volume	642	653	1295	PM Pk Volume	641	849	1460
Pk Hr Factor	0.923	0.859	0.917	Pk Hr Factor	0.926	0.915	0.875
7 - 9 Volume	826	643	1469	4 - 6 Volume	1055	1559	2624
7 - 9 Peak Hour	07:45	07:45	07:45	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	451	421	882	4 - 6 Pk Volume	611	849	1460
Pk Hr Factor	0.937	0.900	0.959	Pk Hr Factor	0.826	0.915	0.875

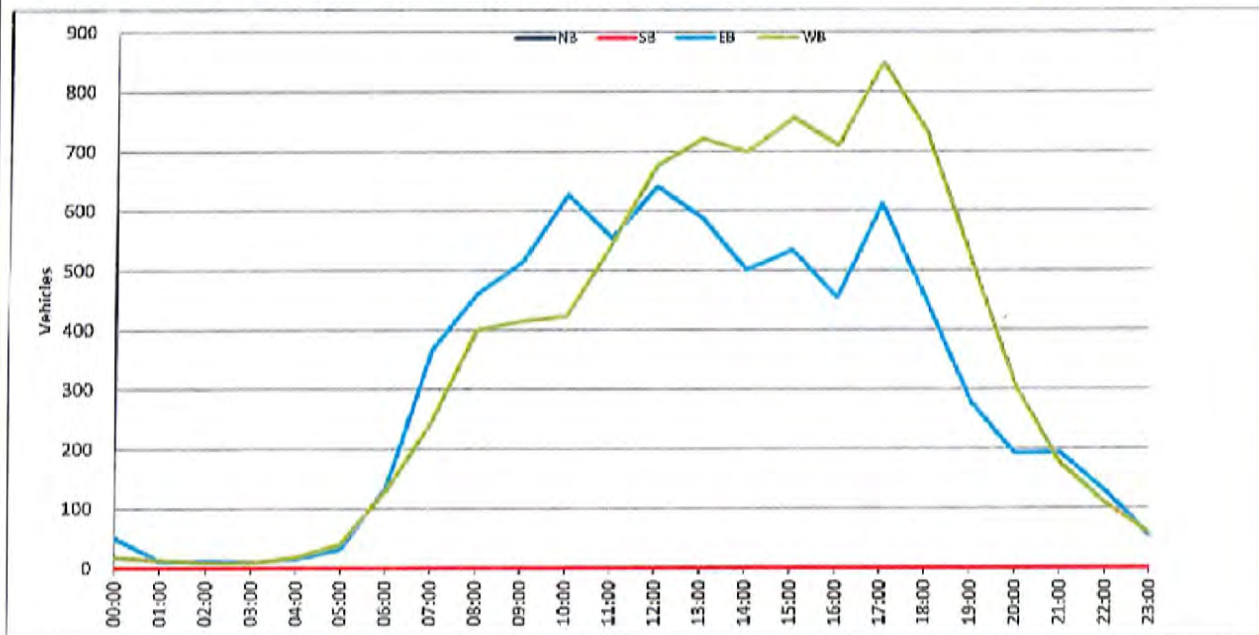
Prepared by NDS/ATD

Project #: CA16_5536_002

City: Industry

Location: Gale Ave Bet. Fullerton Rd & Jellick Ave

Date: 10/25/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

56

STREET HACIENDA BOULEVARD
FROM CITY LIMITS

CERTIFICATION DATE:
TO DON JULIAN ROAD

SPEED FACTORS

Date of Speed Survey	8/25/2016	Posted Speed Limit	40 MPH
Time of Speed Survey	9:30 AM to 11:30 AM	Speed Justification	
50th Percentile Speed (Mean Speed)	39.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	44.0		
10 mph Pace Speed	34-43		
Percentage of Vehicles in Pace	64.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples	203		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	6
Collision Rate (ACC/MVM)	0.54
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

Average Daily Traffic	42,150	Date Counted	1/19/2016
Number of Lanes	3 lanes eah direction		
Type of Traffic Control	Signalized at Don Julian Rd and Gale Ave; stop controlled at Shadybend Dr and Walbrook Dr		
Crosswalks?	At signalized interseptions		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	On both sides of segment		
Driveways?	Frequent		

ROADWAY FACTORS

Length of Segment	1,268'
Width	90'
Vertical Curve	Yes, grade separated at railroad tracks
Horizontal Curve	Yes at Nelson
Visibility	Some restriction due to curvature
Roadway Conditions	Arterial, bus stop at north side of Don Julian Rd
Lighting	Yes
Adjacent Land Use	Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).

Jean A. Fares

Jean Fares	5/23/18	TE 2097
	Date	State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Hacienda Blvd
 Spt.Spd. Location: City Limits & Don Julian

Ref. # 01

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	1	0.49%	0.49%
27	1	0.49%	0.99%
28	1	0.49%	1.48%
29	3	1.48%	2.96%
30	8	3.94%	6.90%
31	3	1.48%	8.37%
32	5	2.46%	10.84%
33	10	4.93%	15.76%
34	12	5.91%	21.67%
35	12	5.91%	27.59%
36	11	5.42%	33.00%
37	13	6.40%	39.41%
38	15	7.39%	46.80%
39	16	7.88%	54.68%
40	10	4.93%	59.61%
41	12	5.91%	65.52%
42	13	6.40%	71.92%
43	15	7.39%	79.31%
44	12	5.91%	85.22%
45	10	4.93%	90.15%
46	10	4.93%	95.07%
47	4	1.97%	97.04%
48	4	1.97%	99.01%
49	2	0.99%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	203	100%	

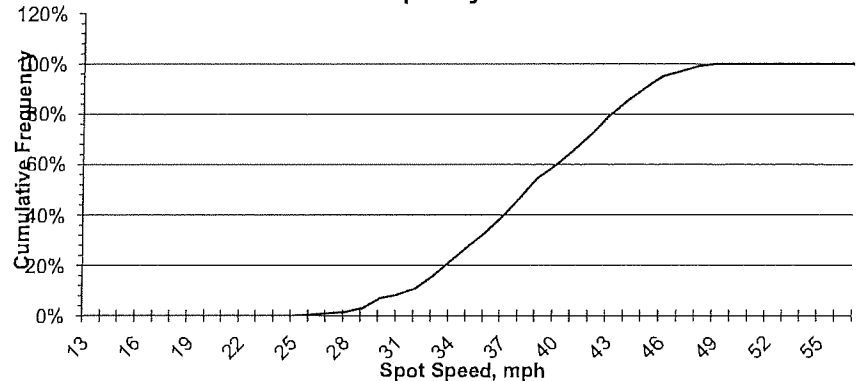
Date: 8/25/2016 Day: Thursday
 Weather: Sunny
 Hours: 9:30 AM To 11:30 AM
 Number of Lanes: 6
 Posted Speed: 40 mph
 Channelization: Skip dash 2 way traffic
 Street Width: 90'
 Comm./Resid.: Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

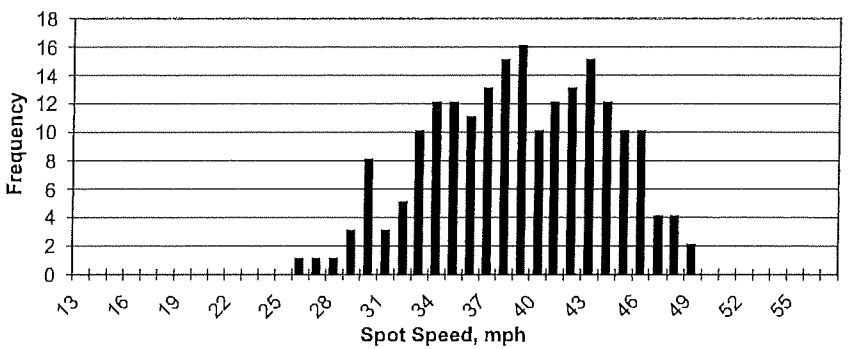
Mean Speed:	39
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	33
50th Percentile:	39
85th Percentile:	44
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	63.55%
# in 10 MPH pace:	129

Comments: _____

Cumulative Frequency Distribution



Frequency Distribution



Prepared by NDS/ATD

VOLUME

Hacienda Blvd Bet. City Limits & Don Julian Rd

Day: Tuesday
Date: 19-01-2016

City: Industry
Project #: CA15_5829_024

DAILY TOTALS		NB	SB	EB	WB	Total					
		20,124	22,026	0	0	42,150					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	66	76			142	12:00	300	310			610
0:15	31	60			91	12:15	300	279			579
0:30	42	58			100	12:30	304	336			640
0:45	35	175	37	231	71	12:45	302	1206	379	1304	681
1:00	49	46			95	13:00	328	331			659
1:15	37	40			77	13:15	294	287			581
1:30	41	43			84	13:30	339	345			684
1:45	48	175	36	165	84	13:45	330	1251	306	1269	636
2:00	35	30			65	14:00	320	307			627
2:15	23	42			65	14:15	336	315			651
2:30	41	42			83	14:30	325	365			694
2:45	15	114	22	136	37	14:45	286	1267	325	1316	611
3:00	41	31			72	15:00	330	367			697
3:15	43	28			71	15:15	336	416			752
3:30	51	40			91	15:30	292	341			633
3:45	65	200	59	158	124	15:45	292	1250	359	1483	651
4:00	71	50			121	16:00	321	385			706
4:15	104	73			177	16:15	296	409			705
4:30	128	87			215	16:30	310	380			690
4:45	118	421	138	848	256	16:45	285	1212	399	1573	684
5:00	143	89			232	17:00	351	355			706
5:15	221	128			349	17:15	327	385			712
5:30	209	125			334	17:30	382	409			791
5:45	216	789	165	537	381	17:45	316	1376	387	1536	703
6:00	193	130			323	18:00	310	352			662
6:15	244	180			424	18:15	310	351			661
6:30	278	238			516	18:30	269	348			617
6:45	283	998	296	844	579	18:45	241	1131	298	1349	540
7:00	500	288			588	19:00	232	288			520
7:15	552	428			780	19:15	188	269			457
7:30	333	428			761	19:30	176	210			386
7:45	373	1355	418	1562	788	19:45	195	791	175	942	870
8:00	322	385			708	20:00	168	241			409
8:15	305	410			716	20:15	187	186			373
8:30	244	387			631	20:30	158	206			364
8:45	282	1154	350	1533	632	20:45	151	664	162	795	313
9:00	253	334			592	21:00	135	162			297
9:15	235	291			527	21:15	134	167			301
9:30	287	296			583	21:30	138	159			297
9:45	263	1044	285	1206	548	21:45	127	534	165	653	292
10:00	266	304			570	22:00	120	160			280
10:15	275	264			539	22:15	117	131			248
10:30	262	287			549	22:30	103	142			245
10:45	293	1096	268	1123	561	22:45	69	409	112	545	181
11:00	302	276			578	23:00	86	92			178
11:15	286	258			544	23:15	70	75			145
11:30	294	306			600	23:30	65	76			141
11:45	317	1199	288	1128	605	23:45	52	273	77	320	129
TOTALS	8720	8941			17661	TOTALS	11404	13085			24489
SPLIT %	49.4%	50.6%			41.9%	SPLIT %	46.6%	53.4%			58.1%

DAILY TOTALS		NB	SB	EB	WB	Total	
		20,124	22,026	0	0	42,150	

AM Peak Hour	7:45	7:15	7:15	PM Peak Hour	17:05	16:00	17:00
AM Pk Volume	1377	1660	3037	PM Pk Volume	1376	1573	2912
Pk Hr Factor	0.930	0.970	0.954	Pk Hr Factor	0.901	0.961	0.920
7 - 9 Volume	2529	3095	5664	4 - 6 Volume	2588	3109	5697
7 - 9 Peak Hour	7:15	7:15	7:15	4 - 6 Peak Hour	17:00	16:00	17:00
7 - 9 Pk Volume	1377	1660	3037	4 - 6 Pk Volume	1376	1573	2912
Pk Hr Factor	0.930	0.970	0.954	Pk Hr Factor	0.901	0.961	0.920

Prepared by NDS/ATD

Project #: CA15_5829_024

City: Industry

Location: Hacienda Blvd Bet. City Limits & Don Julian

Date: 1/19/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

57

STREET FULLERTON ROAD
FROM VALLEY

CERTIFICATION DATE:
TO ARENTH

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	10:16 AM to 10:55 AM	Speed Justification	85th Percentile speed rounded down per CVC Section 21400(b).
50th Percentile Speed (Mean Speed)	33.0		
85th Percentile Speed	39.0		
10 mph Pace Speed	28 to 37		
Percentage of Vehicles in Pace	61.0%	Recommended Speed Limit	35 MPH
Number of Survey Samples	203		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	6
Collision Rate (ACC/MVM)	1.78
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

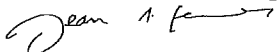
Average Daily Traffic	19,288	Date Counted	1/27/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at Valley/Arenth		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Few		

ROADWAY FACTORS

Length of Segment	845'
Width	64'
Vertical Curve	Slight
Horizontal Curve	Yes
Visibility	Fair
Roadway Conditions	Railroad crossing before Valley, no bike lane, no bus route
Lighting	Yes
Adjacent Land Use	Industrial/Commercial

Field Study By KHA **Checked By** KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	5/23/18 Date	TE 2097 State Registration Number
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CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Fullerton Rd
Spt.Spd. Location: Valley & Arenth

Ref. # 01

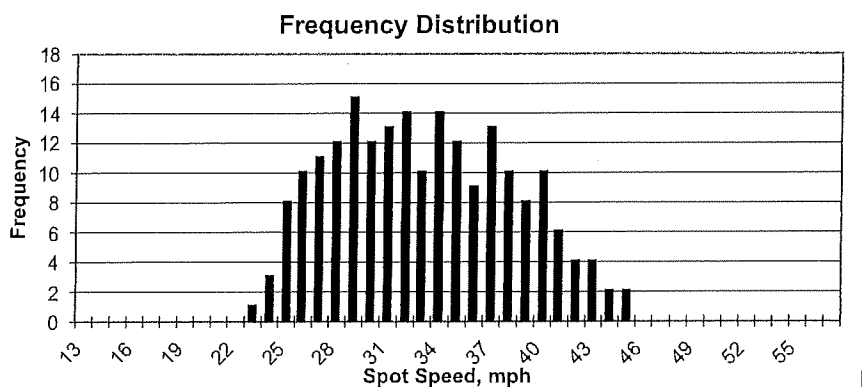
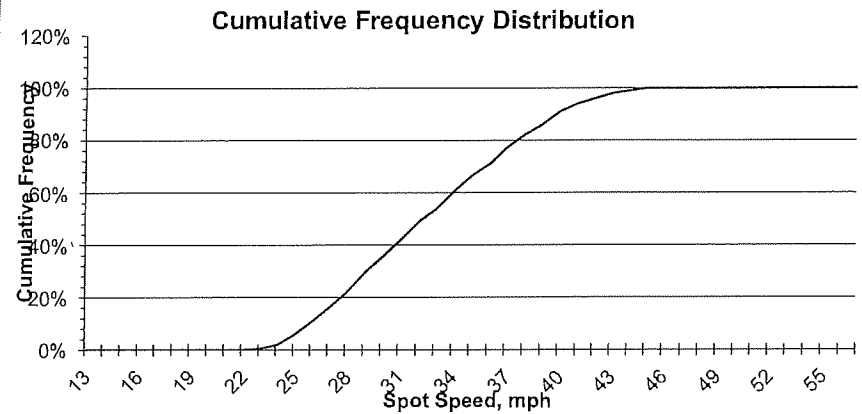
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	1	0.49%	0.49%
24	3	1.48%	1.97%
25	8	3.94%	5.91%
26	10	4.93%	10.84%
27	11	5.42%	16.26%
28	12	5.91%	22.17%
29	15	7.39%	29.56%
30	12	5.91%	35.47%
31	13	6.40%	41.87%
32	14	6.90%	48.77%
33	10	4.93%	53.69%
34	14	6.90%	60.59%
35	12	5.91%	66.50%
36	9	4.43%	70.94%
37	13	6.40%	77.34%
38	10	4.93%	82.27%
39	8	3.94%	86.21%
40	10	4.93%	91.13%
41	6	2.96%	94.09%
42	4	1.97%	96.06%
43	4	1.97%	98.03%
44	2	0.99%	99.01%
45	2	0.99%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	203	100%	

Date: 8/24/2016 **Day:** Wednesday
Weather: Partly Cloudy
Hours: 10:16 AM **To** 10:55 AM
Number of Lanes: 4
Posted Speed: 35 mph
Channelization: Skip dash 2 way traffic
Street Width: 64'
Comm./Resid.: Industrial
DIRECTION: Northbound/Southbound

DATA ANALYSIS:

Mean Speed:	33
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	27
50th Percentile:	33
85th Percentile:	39
10 Mile Pace:	28 to 37
% of Samples in 10-Mile Pace:	61.08%
# in 10 MPH pace:	124

Comments:



Total: 203 100%

Prepared by NDS/ATD

VOLUME

Fullerton Rd Bet. Valley Blvd & Arenth Ave

Day: Wednesday
Date: 27-01-2016

City: Industry
Project #: CA15_5829_029

DAILY TOTALS					NB	SB	EB	WB	Total		
					10,261	9,027	0	0	19,288		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	47	14			61	12:00	129	123			252
0:15	33	14			47	12:15	129	126			255
0:30	25	7			32	12:30	155	137			292
0:45	30	135	8	43	38	12:45	123	535	147	533	270
1:00	20	10			30	13:00	142	162			304
1:15	24	11			35	13:15	135	122			257
1:30	27	16			43	13:30	142	125			267
1:45	17	88	10	47	27	13:45	127	546	122	535	249
2:00	18	7			25	14:00	132	120			252
2:15	15	10			25	14:15	146	124			270
2:30	12	9			21	14:30	190	117			307
2:45	16	61	8	34	24	14:45	175	643	93	454	268
3:00	12	9			21	15:00	207	151			358
3:15	14	13			27	15:15	215	140			355
3:30	21	39			60	15:30	233	147			380
3:45	23	70	57	118	80	15:45	193	848	146	584	339
4:00	13	32			45	16:00	187	121			308
4:15	18	38			56	16:15	152	107			259
4:30	9	64			73	16:30	240	131			371
4:45	13	53	74	208	87	16:45	205	784	119	478	324
5:00	23	70			93	17:00	276	136			412
5:15	15	80			95	17:15	228	96			324
5:30	35	116			151	17:30	262	138			400
5:45	26	99	134	400	160	17:45	283	1049	96	466	379
6:00	46	131			177	18:00	269	119			388
6:15	59	124			183	18:15	230	95			326
6:30	83	141			224	18:30	241	106			347
6:45	81	259	150	546	231	18:45	198	938	95	416	293
7:00	118	160			278	19:00	157	117			274
7:15	143	152			295	19:15	128	100			228
7:30	94	177			271	19:30	130	97			227
7:45	170	525	206	695	376	19:45	140	555	74	388	214
8:00	139	187			326	20:00	144	58			202
8:15	119	179			298	20:15	107	74			181
8:30	129	221			350	20:30	117	67			184
8:45	116	503	209	796	325	20:45	102	470	56	255	158
9:00	117	154			271	21:00	104	45			149
9:15	94	138			232	21:15	66	59			125
9:30	73	154			227	21:30	110	56			166
9:45	104	388	131	577	235	21:45	72	352	49	209	121
10:00	88	136			224	22:00	79	45			124
10:15	76	135			211	22:15	77	44			121
10:30	118	138			256	22:30	71	23			94
10:45	129	411	120	529	249	22:45	48	275	32	144	80
11:00	118	111			229	23:00	58	12			70
11:15	104	111			215	23:15	44	29			73
11:30	116	123			239	23:30	41	28			69
11:45	140	478	121	466	261	23:45	42	185	37	106	79
TOTALS	3080	4459			7539	TOTALS	7181	4568			11749
SPLIT %	40.9%	59.1%			39.1%	SPLIT %	61.1%	38.9%			60.9%

DAILY TOTALS					NB	SB	EB	WB	Total
					10,261	9,027	0	0	19,288

AM Peak Hour	7:45	8:00	7:45	17:00	15:00	17:00			
AM Pk Volume	557	796	1350	1049	584	1815			
Pk Hr Factor	0.819	0.500	0.898	0.927	0.367	0.519			
7 - 9 Volume	1028	1491	2519	1833	944	2777			
7 - 9 Peak Hour	7:45	8:00	7:55	17:00	16:15	17:00			
7 - 9 Pk Volume	557	796	1350	1049	493	1515			
Pk Hr Factor	0.819	0.500	0.898	0.927	0.366	0.519			

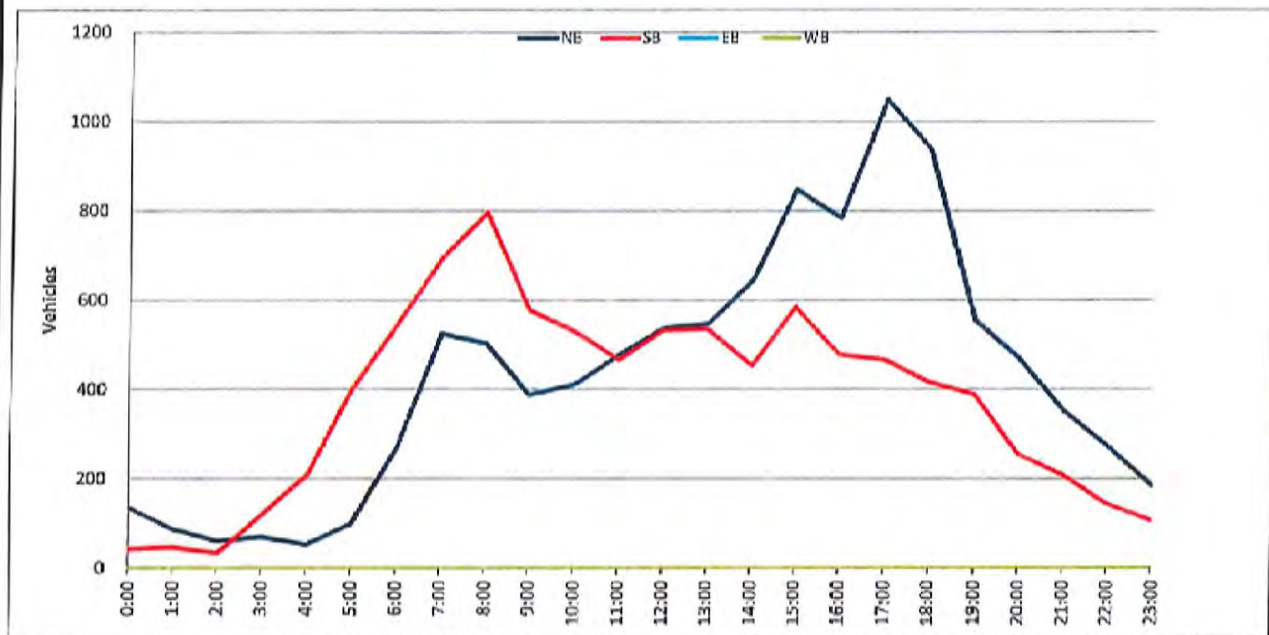
Prepared by NDS/ATD

Project #: CA15_5829_029

City: Industry

Location: Fullerton Rd Bet. Valley Blvd & Arenth Ave

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

58

STREET FULLERTON ROAD
FROM SAN JOSE

CERTIFICATION DATE:
TO RAILROAD

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	9:00 AM to 12:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	33.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	38.0		
10 mph Pace Speed	28 to 37		
Percentage of Vehicles in Pace	67.0%	Recommended Speed Limit	35 MPH
Number of Survey Samples	207		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	8
Collision Rate (ACC/MVM)	1.71
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

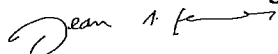
Average Daily Traffic	19,396	Date Counted	8/23/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at San Jose Ave, Railroad St		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	1,162'
Width	66'
Vertical Curve	No
Horizontal Curve	No
Visibility	Good
Roadway Conditions	Railroad crossing directly south of segment
Lighting	Yes
Adjacent Land Use	Industrial/Commercial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	5/23/18
		TE 2097
		State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Fullerton Rd
 Spt.Spd. Location: San Jose Ave & Railroad Rd

Ref. # 01

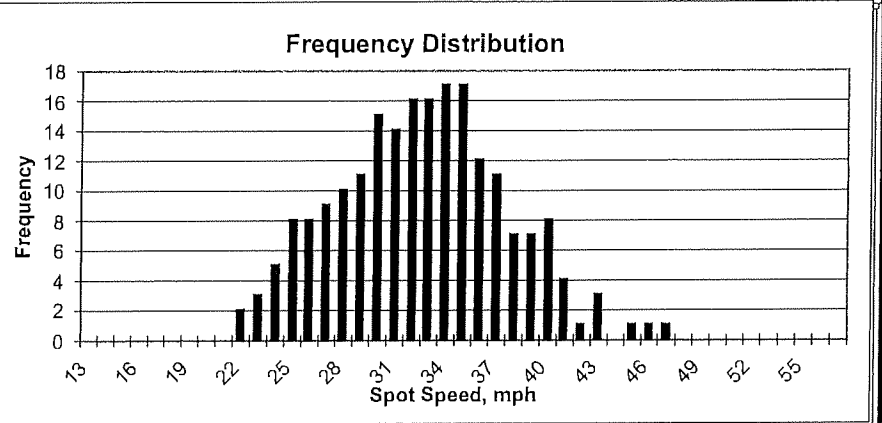
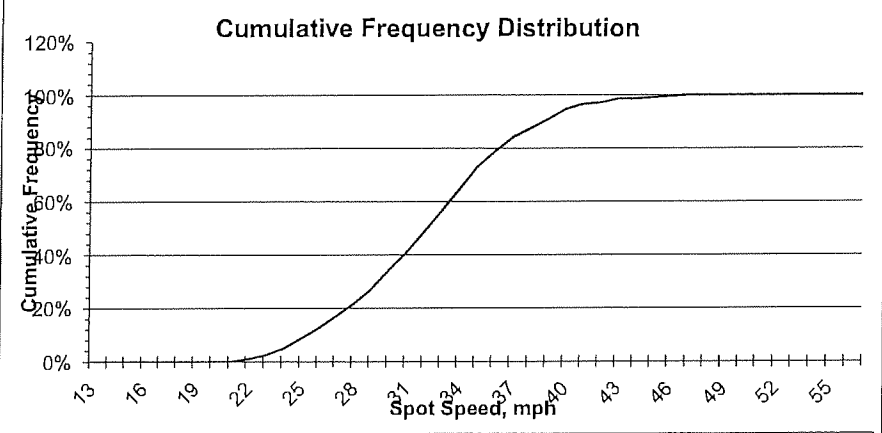
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	2	0.97%	0.97%
23	3	1.45%	2.42%
24	5	2.42%	4.83%
25	8	3.86%	8.70%
26	8	3.86%	12.56%
27	9	4.35%	16.91%
28	10	4.83%	21.74%
29	11	5.31%	27.05%
30	15	7.25%	34.30%
31	14	6.76%	41.06%
32	16	7.73%	48.79%
33	16	7.73%	56.52%
34	17	8.21%	64.73%
35	17	8.21%	72.95%
36	12	5.80%	78.74%
37	11	5.31%	84.06%
38	7	3.38%	87.44%
39	7	3.38%	90.82%
40	8	3.86%	94.69%
41	4	1.93%	96.62%
42	1	0.48%	97.10%
43	3	1.45%	98.55%
44	0	0.00%	98.55%
45	1	0.48%	99.03%
46	1	0.48%	99.52%
47	1	0.48%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/24/2016 Day: Wednesday
 Weather: Partly Cloudy
 Hours: 9:00 AM To 12:00 PM
 Number of Lanes: 4
 Posted Speed: 35 mph
 Channelization: Skip dash 2 way traffic
 Street Width: 66'
 Comm./Resid.: Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

Mean Speed:	33
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	27
50th Percentile:	33
85th Percentile:	38
10 Mile Pace:	28 to 37
% of Samples in 10-Mile Pace:	67.15%
# in 10 MPH pace:	139

Comments: _____



Total: 207 100%

Prepared by NDS/ATD

VOLUME

Fullerton Rd Bet. San Jose Ave & Railroad St

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_S536_003

DAILY TOTALS						NB	SB	EB	WB	Total	
						10,534	8,862	0	0	19,396	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	35	35			70	12:00	139	144			283
00:15	41	26			67	12:15	158	123			281
00:30	20	19			39	12:30	154	124			278
00:45	20	116	19	99	39	12:45	152	613	132	523	294
01:00	16	10			26	13:00	168	79			247
01:15	20	23			45	13:15	151	156			307
01:30	19	20			39	13:30	139	128			267
01:45	27	82	16	69	45	13:45	180	638	136	499	316
02:00	11	22			35	14:00	171	132			303
02:15	11	15			27	14:15	193	143			336
02:30	15	15			30	14:30	162	148			310
02:45	22	60	13	65	35	14:45	181	707	118	541	299
03:00	19	24			43	15:00	182	138			320
03:15	22	13			35	15:15	145	125			270
03:30	35	27			62	15:30	154	152			306
03:45	46	122	37	101	83	15:45	152	633	113	528	265
04:00	26	38			64	16:00	153	117			270
04:15	33	31			64	16:15	185	112			297
04:30	40	44			84	16:30	207	118			325
04:45	45	144	50	163	95	16:45	191	736	141	488	332
05:00	42	59			101	17:00	191	158			349
05:15	51	70			121	17:15	218	156			354
05:30	54	56			120	17:30	178	132			310
05:45	64	211	53	248	117	17:45	212	799	130	556	342
06:00	67	108			175	18:00	197	151			348
06:15	65	83			148	18:15	161	159			320
06:30	97	105			202	18:30	170	132			302
06:45	103	334	141	437	246	18:45	161	689	117	559	278
07:00	118	122			240	19:00	156	135			291
07:15	144	123			267	19:15	132	119			251
07:30	146	137			283	19:30	101	111			212
07:45	171	579	154	536	325	19:45	121	510	104	469	225
08:00	151	140			291	20:00	115	93			208
08:15	189	146			335	20:15	113	74			187
08:30	183	131			314	20:30	110	67			177
08:45	150	673	93	516	249	20:45	114	452	44	278	158
09:00	170	108			278	21:00	115	64			179
09:15	161	106			267	21:15	121	72			193
09:30	123	118			241	21:30	89	69			158
09:45	120	574	126	458	246	21:45	95	420	63	268	158
10:00	116	129			245	22:00	73	73			146
10:15	129	134			263	22:15	84	69			153
10:30	118	146			264	22:30	66	40			106
10:45	122	485	112	521	234	22:45	58	281	50	232	108
11:00	112	136			248	23:00	48	45			93
11:15	147	138			285	23:15	42	45			87
11:30	108	112			220	23:30	46	52			98
11:45	111	478	137	523	248	23:45	62	198	43	185	105
TOTALS	3858	3736			7594	TOTALS	6676	5126			11802
SPLIT %	50.8%	49.2%			39.2%	SPLIT %	56.6%	43.4%			60.8%

DAILY TOTALS						NB	SB	EB	WB	Total
						10,534	8,862	0	0	19,396

AM Peak Hour	07:45	07:30	07:45	PM Peak Hour	16:30	17:30	16:30
AM Pk Volume	694	577	1265	PM Pk Volume	897	572	1360
Pk Hr Factor	0.918	0.937	0.944	Pk Hr Factor	0.925	0.899	0.960
7 - 9 Volume	1252	1052	2304	4 - 6 Volume	1535	1044	2579
7 - 9 Peak Hour	07:45	07:30	07:45	4 - 6 Peak Hour	16:30	16:45	16:30
7 - 9 Pk Volume	694	577	1265	4 - 6 Pk Volume	807	557	1360
Pk Hr Factor	0.918	0.937	0.944	Pk Hr Factor	0.925	0.897	0.960

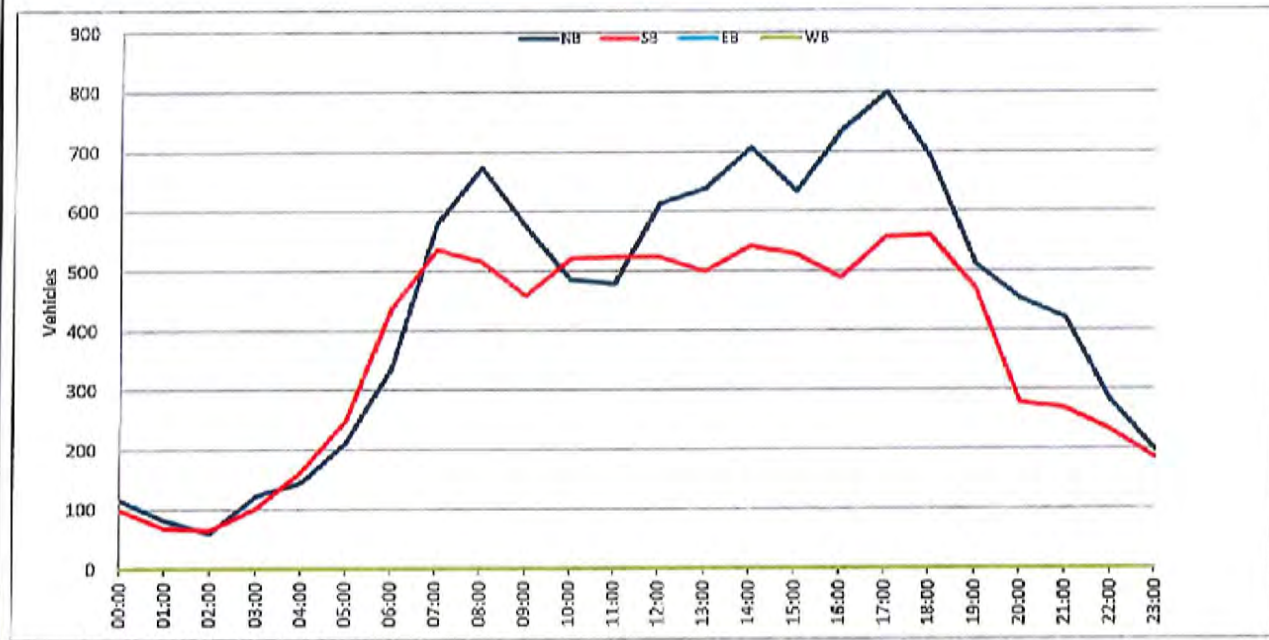
Prepared by NDS/ATD

Project #: CA16_5536_003

City: Industry

Location: Fullerton Rd Bet. San Jose Ave & Railroad St

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

59

STREET RAILROAD STREET
FROM AZUSA AVENUE

CERTIFICATION DATE:
TO HATCHER AVENUE

SPEED FACTORS

Date of Speed Survey	8/25/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:30 PM to 2:30 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	33.0	Speed limit increased from existing. 85th Percentile speed applied.	
85th Percentile Speed	40.0		
10 mph Pace Speed	28-37		
Percentage of Vehicles in Pace	64.0%		
Number of Survey Samples	204	Recommended Speed Limit	40 MPH

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	3
Collision Rate (ACC/MVM)	0.47
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

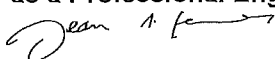
Average Daily Traffic	12,562	Date Counted	1/27/2016
Number of Lanes	4 lanes each direction		
Type of Traffic Control	Signalized at Azusa Ave; Stop controlled at Wallace Ave, Hatcher Ave		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Moderate		

ROADWAY FACTORS

Length of Segment	2,429'
Width	64'
Vertical Curve	No
Horizontal Curve	Reverse curve
Visibility	Some restriction due to road curvature
Roadway Conditions	No bike lane or bus stops
Lighting	Yes
Adjacent Land Use	Industrial/Commercial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	5/23/18 Date	TE 2097 State Registration Number
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CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Railroad St
 Spt.Spd. Location: Azusa Ave & Hatcher Ave

Ref. # 01

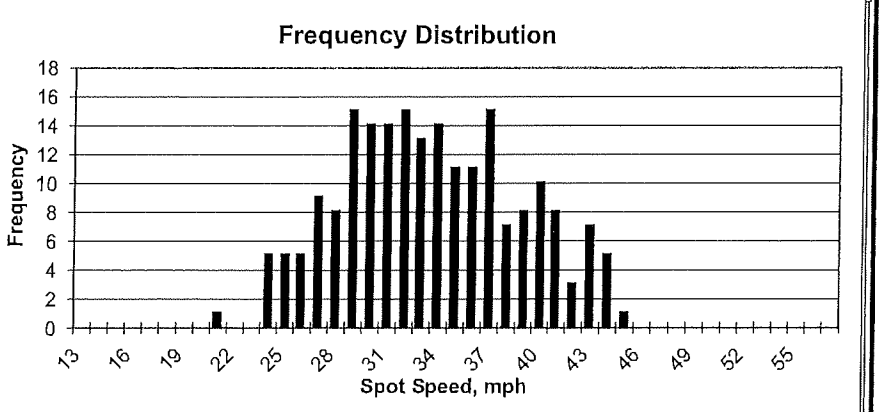
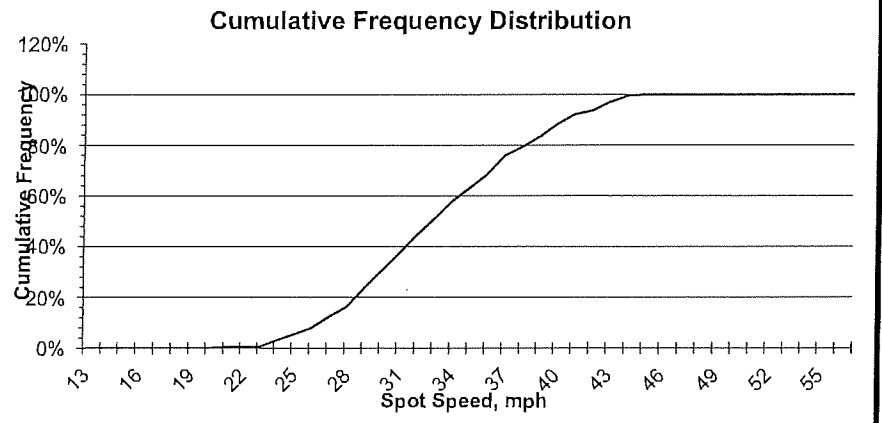
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	1	0.49%	0.49%
22	0	0.00%	0.49%
23	0	0.00%	0.49%
24	5	2.45%	2.94%
25	5	2.45%	5.39%
26	5	2.45%	7.84%
27	9	4.41%	12.25%
28	8	3.92%	16.18%
29	15	7.35%	23.53%
30	14	6.86%	30.39%
31	14	6.86%	37.25%
32	15	7.35%	44.61%
33	13	6.37%	50.98%
34	14	6.86%	57.84%
35	11	5.39%	63.24%
36	11	5.39%	68.63%
37	15	7.35%	75.98%
38	7	3.43%	79.41%
39	8	3.92%	83.33%
40	10	4.90%	88.24%
41	8	3.92%	92.16%
42	3	1.47%	93.63%
43	7	3.43%	97.06%
44	5	2.45%	99.51%
45	1	0.49%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	204	100%	

Date: 8/25/2016 Day: Thursday
 Weather: Sunny
 Hours: 1:30 PM To 2:30 PM
 Number of Lanes: 4
 Posted Speed: 35
 Channelization: Skip dash two way traffic
 Street Width: 64'
 Comm./Resid.: Industrial
 DIRECTION: Eastbound & Westbound

DATA ANALYSIS:

Mean Speed:	34
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	28
50th Percentile:	33
85th Percentile:	40
10 Mile Pace:	28 to 37
% of Samples in 10-Mile Pace:	63.73%
# in 10 MPH pace:	130

Comments: _____



Total: 204 100%

Prepared by NDS/ATD

VOLUME

Railroad St Bet. Azusa Ave & Hatcher Ave

Day: Wednesday
Date: 27-01-2016

City: Industry
Project #: CA15_5829_035

DAILY TOTALS						NB	SB	EB	WB	Total				
						0	0	6,494	6,068	12,562				
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
0:00			11	38	49	12:00			106	128	234			
0:15			4	23	27	12:15			107	107	214			
0:30			7	9	16	12:30			106	145	251			
0:45			3	25	2	12:45			145	454	99	479	244	943
1:00			4	13	17	13:00			118	138	256			
1:15			10	2	12	13:15			129	105	234			
1:30			5	28	33	13:30			114	114	228			
1:45			4	23	4	13:45			113	474	85	442	198	916
2:00			4	6	10	14:00			130	100	230			
2:15			4	5	9	14:15			108	74	182			
2:30			10	1	11	14:30			101	167	268			
2:45			6	24	0	14:45			84	423	105	447	190	870
3:00			3	7	10	15:00			92	128	220			
3:15			7	6	13	15:15			90	61	171			
3:30			18	13	31	15:30			91	139	230			
3:45			28	56	7	15:45			95	368	70	418	165	786
4:00			22	7	29	16:00			99	99	198			
4:15			37	16	53	16:15			95	87	182			
4:30			39	28	67	16:30			105	159	264			
4:45			51	149	23	16:45			94	393	118	463	212	856
5:00			27	26	53	17:00			105	269	374			
5:15			68	16	84	17:15			115	172	287			
5:30			85	29	114	17:30			109	269	378			
5:45			134	314	32	17:45			101	430	141	851	242	1281
6:00			44	34	78	18:00			84	176	260			
6:15			62	54	116	18:15			88	99	187			
6:30			60	53	113	18:30			53	142	195			
6:45			75	241	43	18:45			52	277	110	527	162	804
7:00			68	62	130	19:00			38	50	88			
7:15			76	49	125	19:15			31	48	79			
7:30			146	52	198	19:30			25	32	57			
7:45			187	472	64	19:45			15	109	33	163	48	272
8:00			205	61	266	20:00			22	33	55			
8:15			214	55	269	20:15			17	18	35			
8:30			211	100	311	20:30			14	63	77			
8:45			222	852	59	20:45			13	66	23	137	36	203
9:00			227	65	293	21:00			29	56	85			
9:15			115	45	160	21:15			22	22	44			
9:30			121	67	188	21:30			16	28	44			
9:45			117	580	65	21:45			12	79	10	116	22	195
10:00			64	64	128	22:00			9	20	29			
10:15			73	74	147	22:15			6	6	12			
10:30			63	72	135	22:30			14	13	27			
10:45			61	281	81	22:45			10	39	8	47	18	86
11:00			78	68	146	23:00			11	28	39			
11:15			75	71	146	23:15			10	8	18			
11:30			69	95	164	23:30			15	29	45			
11:45			76	298	99	23:45			15	52	18	83	23	135
TOTALS			3320	1895	5215	TOTALS			3174	4173	7347			
SPLIT %			63.7%	36.3%	41.5%	SPLIT %			43.2%	56.8%	58.5%			

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	6,494	6,068	12,562

AM Peak Hour	8:15	11:45	8:15	PM Peak Hour	12:45	17:00	17:00
AM Pk Volume	874	479	1154	PM Pk Volume	506	851	1281
Pk Hr Factor	0.963	0.826	0.928	Pk Hr Factor	0.872	0.791	0.847
7 - 9 Volume	1325	502	1831	4 - 6 Volume	823	1334	2137
7 - 9 Peak Hour	8:05	7:45	8:00	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	852	280	1127	4 - 6 Pk Volume	430	851	1281
Pk Hr Factor	0.959	0.700	0.906	Pk Hr Factor	0.935	0.791	0.847

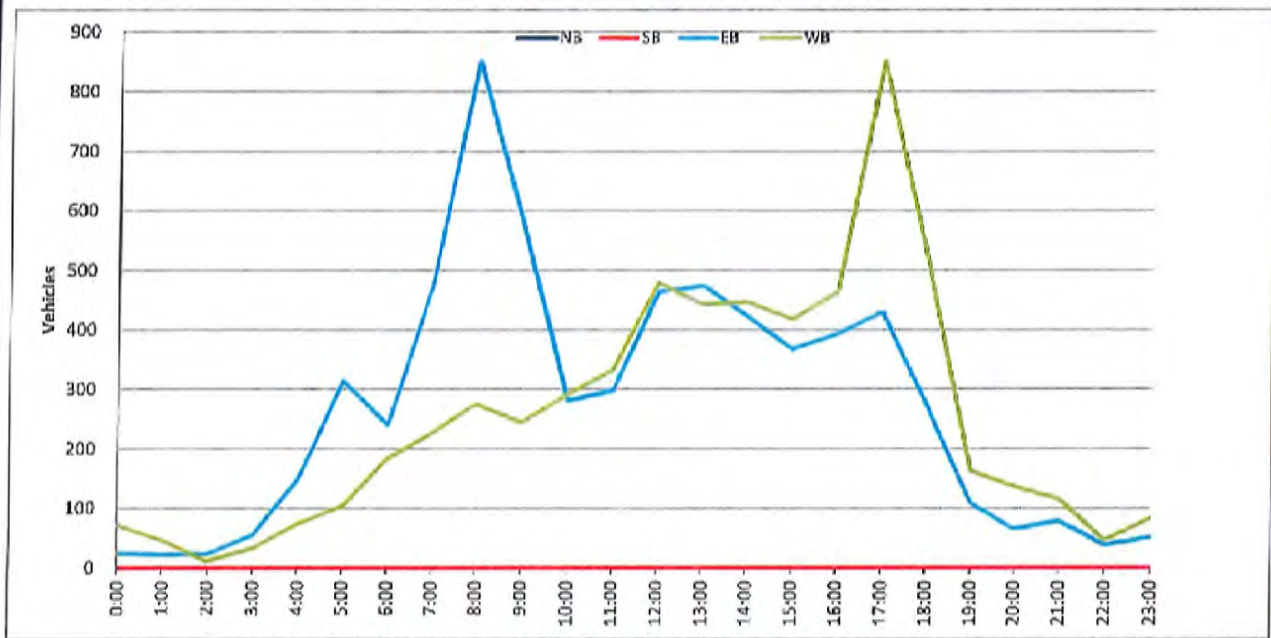
Prepared by NDS/ATD

Project #: CA15_5829_035

City: Industry

Location: Railroad St Bet. Azusa Ave & Hatcher Ave

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

60

STREET RAILROAD STREET
FROM ROWLAND

CERTIFICATION DATE:
TO FULLERTON

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:30 PM to 2:30 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37.0	Speed limit increased from existing. 85th Percentile speed applied.	
85th Percentile Speed	42.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	66.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples	144		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	5
Collision Rate (ACC/MVM)	1.24
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

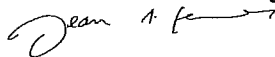
Average Daily Traffic		Date Counted	8/23/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Signalized at Railroad St, Fullerton Rd; Stop controlled at Lawson St, Samuelson St		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	On north side of segment only		
Driveways?	Yes, many throughout segment		

ROADWAY FACTORS

Length of Segment	6,495'
Width	36'
Vertical Curve	None
Horizontal Curve	Yes, sharp curvature south of Rowland St
Visibility	Some restriction due to road curvature
Roadway Conditions	Railroad crossing east of Samuelson
Lighting	On north side of segment
Adjacent Land Use	Industrial to the north, railroad tracks directly south of Railroad St

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/18

TE 2097

Jean Fares

Date

State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Railroad St
Spt.Spd. Location: Rowland St & Fullerton Rd

Ref. # 01

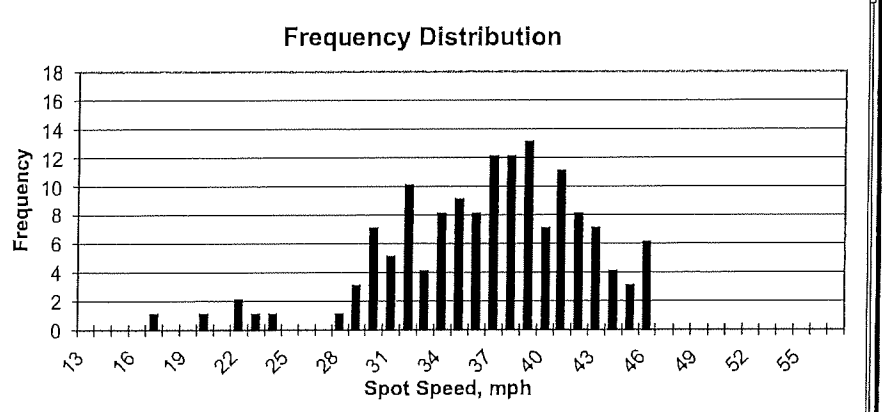
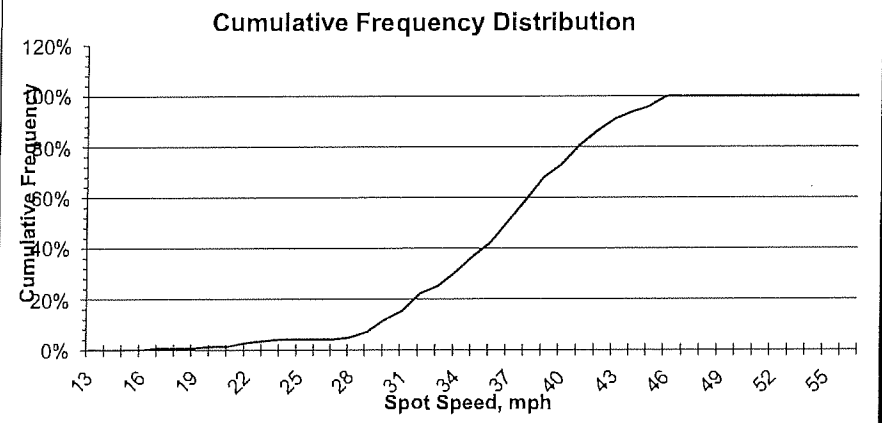
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	1	0.69%	0.69%
18	0	0.00%	0.69%
19	0	0.00%	0.69%
20	1	0.69%	1.39%
21	0	0.00%	1.39%
22	2	1.39%	2.78%
23	1	0.69%	3.47%
24	1	0.69%	4.17%
25	0	0.00%	4.17%
26	0	0.00%	4.17%
27	0	0.00%	4.17%
28	1	0.69%	4.86%
29	3	2.08%	6.94%
30	7	4.86%	11.81%
31	5	3.47%	15.28%
32	10	6.94%	22.22%
33	4	2.78%	25.00%
34	8	5.56%	30.56%
35	9	6.25%	36.81%
36	8	5.56%	42.36%
37	12	8.33%	50.69%
38	12	8.33%	59.03%
39	13	9.03%	68.06%
40	7	4.86%	72.92%
41	11	7.64%	80.56%
42	8	5.56%	86.11%
43	7	4.86%	90.97%
44	4	2.78%	93.75%
45	3	2.08%	95.83%
46	6	4.17%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/24/2016 **Day:** Wednesday
Weather: Sunny
Hours: 1:30 PM **To:** 2:30 PM
Number of Lanes: 2
Posted Speed: 35
Channelization: None, one lane each direction
Street Width: 36'
Comm./Resid.: Industrial
DIRECTION: Eastbound & Westbound

DATA ANALYSIS:

Mean Speed:	37
Standard Deviation:	6
Standard error of the mean:	0.5
15th Percentile:	31
50th Percentile:	37
85th Percentile:	42
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	65.97%
# in 10 MPH pace:	95

Comments: _____



Total: 144 100%

Prepared by NDS/ATD

VOLUME

Railroad St Bet. Rowland St & Fullerton Rd

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_004

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	1,616	1,380	2,996			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			8	19	27	12:00			27	19	46	
00:15			2	6	8	12:15			32	16	48	
00:30			1	0	1	12:30			26	25	51	
00:45			2	13	1	12:45			30	115	16	76
01:00			2	3	5	13:00			31	12	43	
01:15			1	2	3	13:15			31	20	51	
01:30			4	15	19	13:30			28	23	51	
01:45			5	12	3	13:45			38	128	19	74
02:00			0	1	1	14:00			18	31	49	
02:15			3	3	6	14:15			36	17	53	
02:30			4	0	4	14:30			58	32	90	
02:45			2	9	2	14:45			31	143	25	106
03:00			8	2	10	15:00			38	48	86	
03:15			3	1	4	15:15			25	24	49	
03:30			3	2	5	15:30			75	22	97	
03:45			6	20	9	15:45			40	178	17	111
04:00			2	4	6	16:00			33	39	72	
04:15			11	21	32	16:15			16	18	34	
04:30			11	13	24	16:30			37	23	60	
04:45			11	35	24	16:45			12	98	16	96
05:00			5	6	11	17:00			47	19	66	
05:15			6	10	16	17:15			36	15	51	
05:30			12	6	18	17:30			54	19	73	
05:45			22	45	14	17:45			25	162	12	65
06:00			17	17	34	18:00			25	13	38	
06:15			14	10	24	18:15			28	4	32	
06:30			11	18	29	18:30			15	4	19	
06:45			31	73	21	18:45			11	79	5	26
07:00			23	21	44	19:00			10	3	13	
07:15			16	25	41	19:15			9	6	15	
07:30			26	43	69	19:30			12	10	22	
07:45			27	92	33	19:45			4	35	3	22
08:00			25	55	80	20:00			5	2	7	
08:15			21	46	67	20:15			7	2	9	
08:30			20	35	55	20:30			2	4	6	
08:45			14	80	29	20:45			2	16	3	11
09:00			14	25	39	21:00			1	1	2	
09:15			9	24	33	21:15			1	3	4	
09:30			13	13	26	21:30			4	2	6	
09:45			16	52	18	21:45			5	11	3	9
10:00			23	12	35	22:00			5	3	8	
10:15			11	15	26	22:15			3	4	7	
10:30			15	17	32	22:30			8	4	12	
10:45			13	62	14	22:45			9	25	3	14
11:00			13	19	32	23:00			3	8	11	
11:15			25	17	42	23:15			6	3	9	
11:30			19	17	36	23:30			19	16	35	
11:45			26	83	25	23:45			22	50	7	34
TOTALS			576	736	1312	TOTALS			1040	644	1684	
SPLIT %			43.9%	56.1%	43.8%	SPLIT %			61.8%	38.2%	56.2%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,616	1,380	2,996

AM Peak Hour	11:45	07:30	07:30	PM Peak Hour	15:00	14:30	14:00
AM Pk Volume	111	177	276	PM Pk Volume	178	130	289
Pk Hr Factor	0.867	0.805	0.863	Pk Hr Factor	0.593	0.677	0.745
7 - 9 Volume	172	287	460	4 - 6 Volume	260	161	421
7 - 9 Peak Hour	07:30	07:30	07:30	4 - 6 Peak Hour	17:00	16:00	17:00
7 - 9 Pk Volume	99	177	276	4 - 6 Pk Volume	102	96	227
Pk Hr Factor	0.917	0.805	0.863	Pk Hr Factor	0.750	0.615	0.777

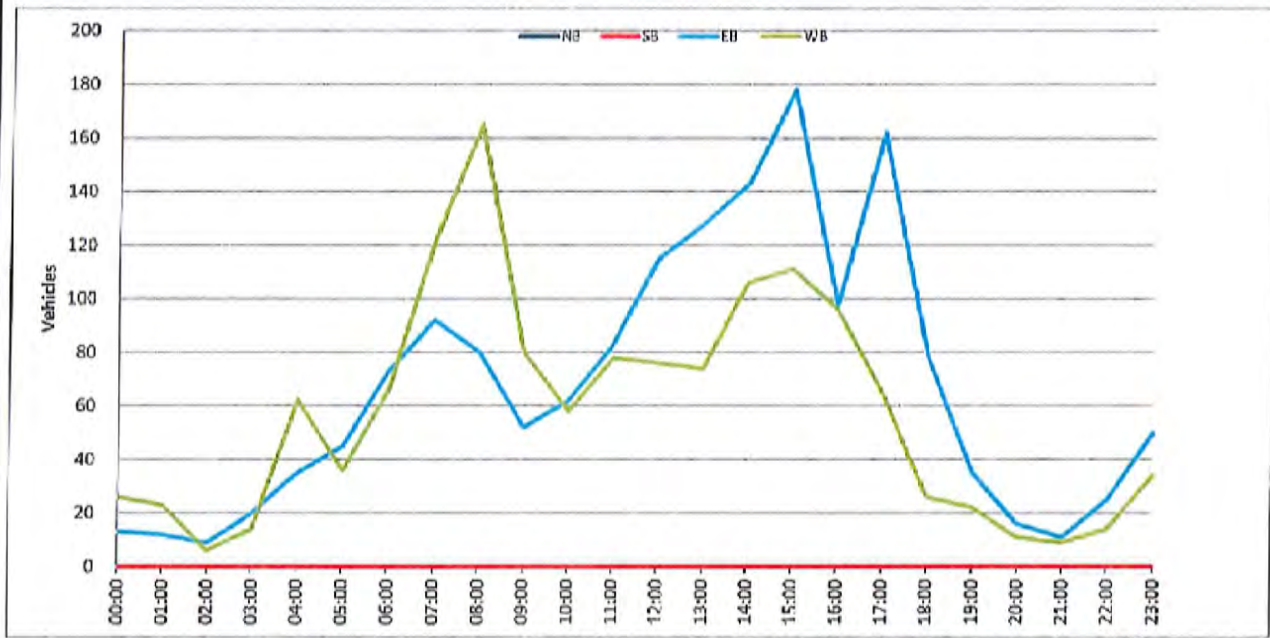
Prepared by NDS/ATD

Project #: CA16_5536_004

City: Industry

Location: Railroad St Bet. Rowland St & Fullerton Rd

Date: 8/23/2016



CITY OF INDUSTRY ENGINEERING AND TRAFFIC SURVEY

61

STREET RAILROAD
FROM FULLERTON ROAD

CERTIFICATION DATE:
TO CHARLIE ROAD

SPEED FACTORS

Date of Speed Survey	3/15/2018	Posted Speed Limit	35 MPH
Time of Speed Survey	1:02 PM to 1:58 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	40.0	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	46.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	64.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples	100		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.63
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

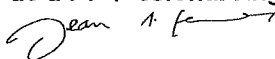
Average Daily Traffic	2,460	Date Counted	8/23/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Signalized at Fullerton Rd; stop controlled at Charlie Rd; Railroad crossing at Charlie Rd		
Crosswalks?	At signalized intersections & Charlie Rd		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	On north side		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	3,105'
Width	44'
Vertical Curve	No
Horizontal Curve	No
Visibility	Good
Roadway Conditions	Railroad crossing
Lighting	None
Adjacent Land Use	Insutrial to the north, Railroad tracks directly to the south

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/18

Date

TE 2097

State Registration Number

Engineering and Traffic Survey
City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Railroad St
Spt.Sp.d. Location: Bet. Fullerton Rd & Charlie Rd

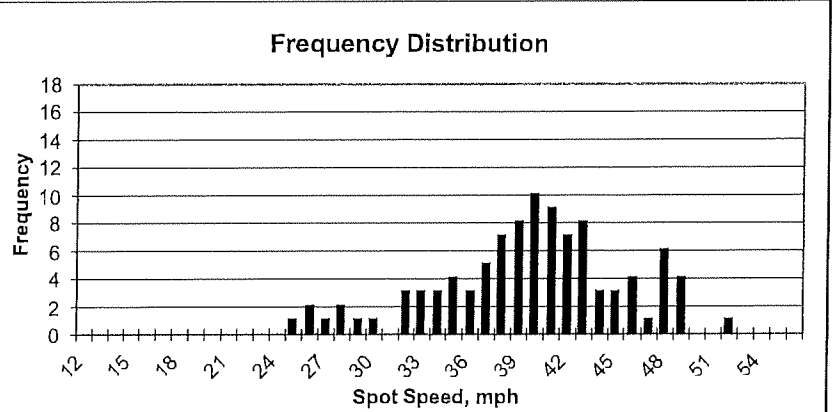
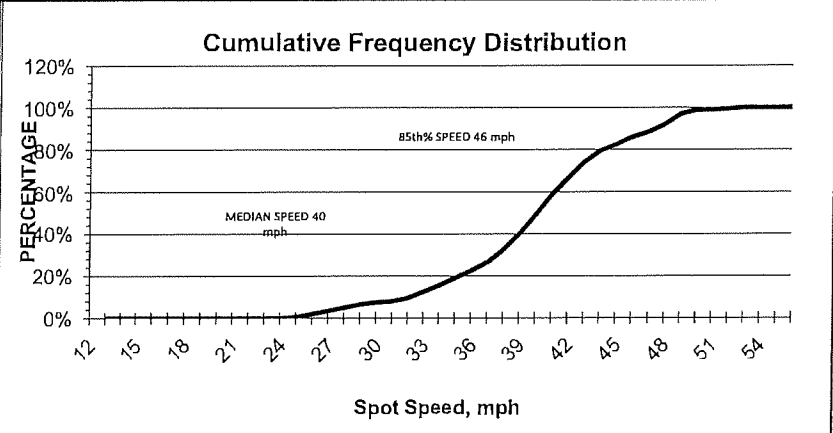
Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	1	1.00%	1.00%
26	2	2.00%	3.00%
27	1	1.00%	4.00%
28	2	2.00%	6.00%
29	1	1.00%	7.00%
30	1	1.00%	8.00%
31	0	0.00%	8.00%
32	3	3.00%	11.00%
33	3	3.00%	14.00%
34	3	3.00%	17.00%
35	4	4.00%	21.00%
36	3	3.00%	24.00%
37	5	5.00%	29.00%
38	7	7.00%	36.00%
39	8	8.00%	44.00%
40	10	10.00%	54.00%
41	9	9.00%	63.00%
42	7	7.00%	70.00%
43	8	8.00%	78.00%
44	3	3.00%	81.00%
45	3	3.00%	84.00%
46	4	4.00%	88.00%
47	1	1.00%	89.00%
48	6	6.00%	95.00%
49	4	4.00%	99.00%
50	0	0.00%	99.00%
51	0	0.00%	99.00%
52	1	1.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

Date: 3/15/2018 **Day:** Thursday
Time From: 1:02 PM **To:** 1:58 PM
Weather: Clear/Dry
Number of Lanes: 2
Posted Speed: 35 mph
Street Width: 44'
Comm./Resid.: Commercial
Direction: Eastbound/Westbound

DATA ANALYSIS:

Average Speed:	40
Standard Deviation:	6
Standard error of the mean:	0.6
15th Percentile:	34
50th Percentile:	40
85th Percentile:	46
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	64.00%
# in 10 MPH pace:	64

Comments:



No. of Vehicles: 100 100%

Prepared by NDS/ATD

VOLUME

Railroad St Bet. Fullerton Rd & Cul de Sac

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_005

DAILY TOTALS						NB	SB					Total
						0	0	EB	WB			2,460
								1,254	1,206			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			0	1	1	12:00			24	30	54	
00:15			1	0	1	12:15			26	25	52	
00:30			1	1	2	12:30			26	49	75	
00:45			2	4	0	2	12:45		23	99	32	137
01:00			1	0	1	13:00			21	26	47	
01:15			0	0	0	13:15			29	16	45	
01:30			2	1	3	13:30			21	28	49	
01:45			1	4	1	2	13:45		33	104	15	85
02:00			0	0	0	14:00			13	17	30	
02:15			0	3	3	14:15			15	14	29	
02:30			6	2	8	14:30			28	37	65	
02:45			1	7	3	8	14:45		17	23	28	96
03:00			1	2	3	15:00			24	17	41	
03:15			1	1	2	15:15			13	21	34	
03:30			2	4	6	15:30			26	26	52	
03:45			6	10	2	9	15:45		10	73	15	79
04:00			0	1	1	16:00			22	20	42	
04:15			7	2	9	16:15			17	27	44	
04:30			7	5	12	16:30			11	40	51	
04:45			15	29	1	9	16:45		6	56	16	103
05:00			6	6	12	17:00			22	29	51	
05:15			11	8	19	17:15			21	25	46	
05:30			15	4	19	17:30			32	32	64	
05:45			44	76	9	22	17:45		22	97	23	109
06:00			19	23	42	18:00			14	45	59	
06:15			13	3	16	18:15			10	20	30	
06:30			8	13	21	18:30			8	11	19	
06:45			23	63	8	47	18:45		2	34	10	86
07:00			17	4	21	19:00			6	8	14	
07:15			8	14	22	19:15			5	5	10	
07:30			22	13	35	19:30			0	10	10	
07:45			34	81	15	46	19:45		1	12	7	30
08:00			28	16	44	20:00			4	3	7	
08:15			32	15	47	20:15			4	4	8	
08:30			31	15	46	20:30			2	3	5	
08:45			26	117	18	64	20:45		4	14	0	10
09:00			26	21	47	21:00			3	3	6	
09:15			26	8	34	21:15			6	2	8	
09:30			30	17	47	21:30			2	1	3	
09:45			13	95	13	59	21:45		8	19	2	8
10:00			21	21	42	22:00			0	5	5	
10:15			16	18	34	22:15			2	4	6	
10:30			25	20	45	22:30			3	4	7	
10:45			26	88	30	89	22:45		1	6	1	14
11:00			22	17	39	23:00			1	5	6	
11:15			18	19	37	23:15			3	1	4	
11:30			22	29	51	23:30			0	0	0	
11:45			27	89	20	85	23:45		0	4	1	7
TOTALS			663	442	1105	TOTALS			591	764	1355	
SPLIT %			60.0%	40.0%	44.9%	SPLIT %			43.6%	56.4%	55.1%	

DAILY TOTALS						NB	SB					Total
						0	0	EB	WB			2,460
								1,254	1,206			

AM Peak Hour			07:45	11:45	11:45	PM Peak Hour			13:00	12:00	12:00
AM Pk Volume			125	125	228	PM Pk Volume			104	137	236
Pk Hr Factor			0.919	0.638	0.760	Pk Hr Factor			0.788	0.659	0.787
7 - 9 Volume			198	110	308	4 - 6 Volume			153	212	365
7 - 9 Peak Hour			07:45	08:00	07:45	4 - 6 Peak Hour			17:00	16:15	17:00
7 - 9 Pk Volume			125	64	186	4 - 6 Pk Volume			97	112	206
Pk Hr Factor			0.919	0.889	0.849	Pk Hr Factor			0.758	0.700	0.805

Prepared by NDS/ATD

Project #: CA16_5536_005

City: Industry

Location: Railroad St Bet. Fullerton Rd & Cul de Sac

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

62

STREET CROSSROADS PARKWAY S
FROM WORKMAN MILL ROAD

CERTIFICATION DATE:
TO CROSSROADS PARKWAY NORTH

SPEED FACTORS

Date of Speed Survey 8/24/2016
Time of Speed Survey 1:27 PM to 2:11 PM
50th Percentile Speed (Mean Speed) 38.0
85th Percentile Speed 45.0
10 mph Pace Speed 33 to 42
Percentage of Vehicles in Pace 62.0%
Number of Survey Samples 203

Posted Speed Limit 35 MPH
Speed Justification
 Speed limit increased from existing. 85th Percentile speed downgraded to maintain consistency with adjacent segment and due to horizontal curvature of street.
Recommended Speed Limit 40 MPH

COLLISION HISTORY

Number of Years Studied 3
Total Collisions 10
Collision Rate (ACC/MVM) 0.96
Expected Collisions (ACC/MVM) 1.18

TRAFFIC FACTORS

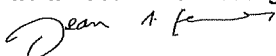
Average Daily Traffic 9,949 **Date Counted** 1/14/2016
Number of Lanes 2 lanes each direction
Type of Traffic Control Signalized at Workman Mill Rd, plaza driveway, 60 East On-Ramp, Crossroads Parkway
Crosswalks? At Workman Mill Rd, plaza driveway, Crossroads Parkway n
Pedestrian Traffic No
Truck Traffic Yes, heavy
On-Street Parking No
Sidewalks? Yes
Driveways? Yes

ROADWAY FACTORS

Length of Segment 5,069'
Width 84'
Vertical Curve Yes
Horizontal Curve Yes, sharp curvature south of Crossroads Pkwy N
Visibility Restriction due to road curvature
Roadway Conditions Pomona Freeway undercrossing
Lighting Yes
Adjacent Land Use Commercial/Industrial

Field Study By KHA **Checked By** KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares 5/23/18 TE 2097
Date **State Registration Number**

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Crossroads Parkway S
 Spt.Spd. Location: Workman Mill & Crossroads Parkway North

Ref. # 01

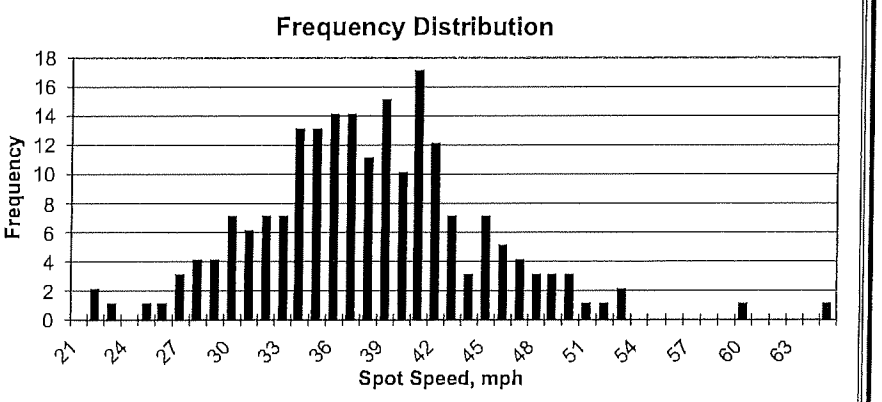
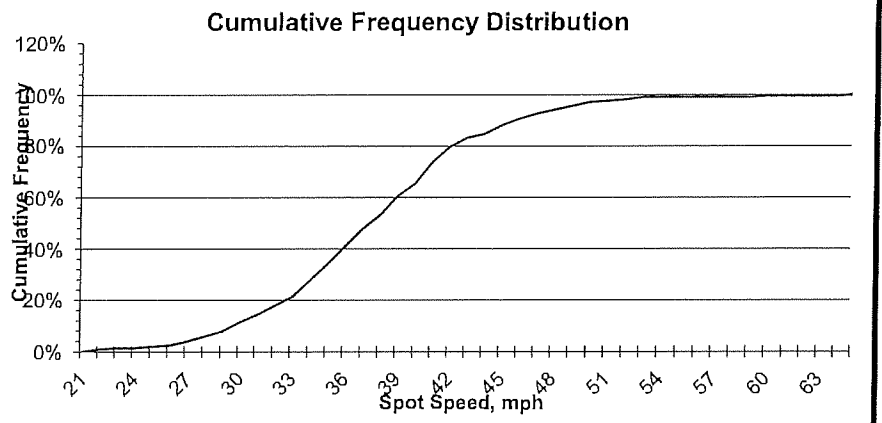
Speed	Frequency	Percent	Cumulative Percent
21	0	0.00%	0.00%
22	2	0.99%	0.99%
23	1	0.49%	1.48%
24	0	0.00%	1.48%
25	1	0.49%	1.97%
26	1	0.49%	2.46%
27	3	1.48%	3.94%
28	4	1.97%	5.91%
29	4	1.97%	7.88%
30	7	3.45%	11.33%
31	6	2.96%	14.29%
32	7	3.45%	17.73%
33	7	3.45%	21.18%
34	13	6.40%	27.59%
35	13	6.40%	33.99%
36	14	6.90%	40.89%
37	14	6.90%	47.78%
38	11	5.42%	53.20%
39	15	7.39%	60.59%
40	10	4.93%	65.52%
41	17	8.37%	73.89%
42	12	5.91%	79.80%
43	7	3.45%	83.25%
44	3	1.48%	84.73%
45	7	3.45%	88.18%
46	5	2.46%	90.64%
47	4	1.97%	92.61%
48	3	1.48%	94.09%
49	3	1.48%	95.57%
50	3	1.48%	97.04%
51	1	0.49%	97.54%
52	1	0.49%	98.03%
53	2	0.99%	99.01%
54	0	0.00%	99.01%
55	0	0.00%	99.01%
56	0	0.00%	99.01%
57	0	0.00%	99.01%
58	0	0.00%	99.01%
59	0	0.00%	99.01%
60	1	0.49%	99.51%
61	0	0.00%	99.51%
62	0	0.00%	99.51%
63	0	0.00%	99.51%
64	0	0.00%	99.51%
65	1	0.49%	100.00%
Total:	203	100%	

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:27 PM To 2:11 PM
 Number of Lanes: 4
 Posted Speed: 35
 Channelization: Skip dash 2 way traffic
 Street Width: 84'
 Comm./Resid.: Mix
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	38
Standard Deviation:	6
Standard error of the mean:	0.42
15th Percentile:	32
50th Percentile:	38
85th Percentile:	45
10 Mile Pace:	33 to 42
% of Samples in 10-Mile Pace:	62.07%
# in 10 MPH pace:	126

Comments: _____



Prepared by NDS/ATD

VOLUME

Crossroads Parkway S Bet. Workman Mill Rd & Crossroads Parkway N

Day: Thursday
Date: 1/14/2016

City: Industry
Project #: CA15_5829_045

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	4,779	5,170	9,949					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
0:00			9	9	18	12:00			142	92	234			
0:15			4	8	12	12:15			126	94	220			
0:30			3	2	5	12:30			87	138	225			
0:45			13	29	4	23	12:45		71	426	108	432	179	858
1:00			10	3	13	13:00			86	111	197			
1:15			7	7	14	13:15			86	109	195			
1:30			8	5	13	13:30			64	87	151			
1:45			7	32	0	15	13:45		79	315	73	380	152	695
2:00			5	1	6	14:00			61	87	148			
2:15			4	5	9	14:15			77	107	184			
2:30			4	5	9	14:30			86	72	158			
2:45			4	17	2	13	14:45		92	316	73	339	165	655
3:00			5	5	10	15:00			113	54	167			
3:15			3	4	7	15:15			109	58	167			
3:30			4	7	11	15:30			93	58	151			
3:45			17	28	4	20	15:45		100	415	56	226	156	641
4:00			6	7	13	16:00			99	82	181			
4:15			6	5	11	16:15			100	66	166			
4:30			7	5	16	16:30			140	69	209			
4:45			7	26	18	39	16:45		90	429	54	271	144	700
5:00			11	31	42	17:00			129	65	194			
5:15			9	33	42	17:15			110	74	184			
5:30			16	38	54	17:30			116	77	193			
5:45			20	56	63	165	17:45		100	455	91	307	191	762
6:00			18	68	86	18:00			144	87	231			
6:15			35	75	110	18:15			88	70	158			
6:30			30	87	117	18:30			104	56	160			
6:45			32	120	145	375	18:45		68	404	80	293	148	697
7:00			38	141	179	19:00			67	32	99			
7:15			52	153	205	19:15			55	23	78			
7:30			60	137	197	19:30			43	18	61			
7:45			63	213	187	618	19:45		40	205	30	103	70	308
8:00			61	132	193	20:00			34	18	52			
8:15			43	119	162	20:15			25	23	48			
8:30			50	120	170	20:30			30	22	52			
8:45			43	192	92	468	20:45		23	112	12	75	35	187
9:00			48	80	128	21:00			31	24	55			
9:15			35	79	114	21:15			20	14	34			
9:30			46	63	109	21:30			22	13	35			
9:45			57	186	60	282	21:45		21	94	13	64	34	158
10:00			52	61	113	22:00			19	15	34			
10:15			59	74	133	22:15			16	21	37			
10:30			62	76	138	22:30			14	16	30			
10:45			78	251	49	260	22:45		6	55	17	69	23	124
11:00			70	60	130	23:00			10	18	28			
11:15			78	60	138	23:15			8	8	16			
11:30			105	83	188	23:30			3	5	8			
11:45			107	360	92	295	23:45		16	37	7	38	23	75
TOTALS			1516	2573	4089	TOTALS			3253	2597	5850			
SPLIT %			37.1%	52.9%	41.1%	SPLIT %			55.7%	44.3%	58.9%			

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	4,779	5,170	9,949

AM Peak Hour	11:30	7:00	11:45	PM Peak Hour	17:15	12:30	12:00
AM Pk Volume	480	618	878	PM Pk Volume	470	466	858
Pk Hr Factor	0.845	0.826	0.538	Pk Hr Factor	0.816	0.844	0.917
7 - 9 Volume	410	1086	1496	4 - 6 Volume	884	578	1462
7 - 9 Peak Hour	7:15	7:00	7:15	4 - 6 Peak Hour	16:30	17:00	17:00
7 - 9 Pk Volume	236	638	845	4 - 6 Pk Volume	469	307	762
Pk Hr Factor	0.937	0.826	0.845	Pk Hr Factor	0.838	0.843	0.962

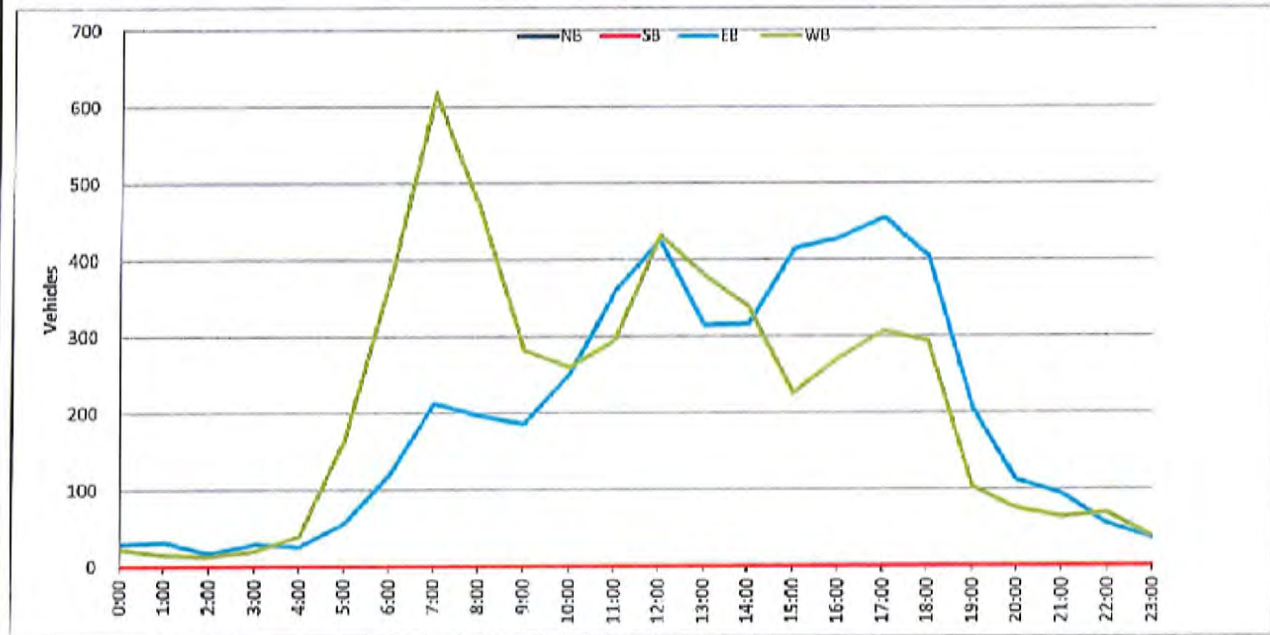
Prepared by NDS/ATD

Project #: CA15_5829_045

City: Industry

Location: Crossroads Parkway S Bet. Workman Mill Rd

Date: 1/14/2016



CITY OF INDUSTRY

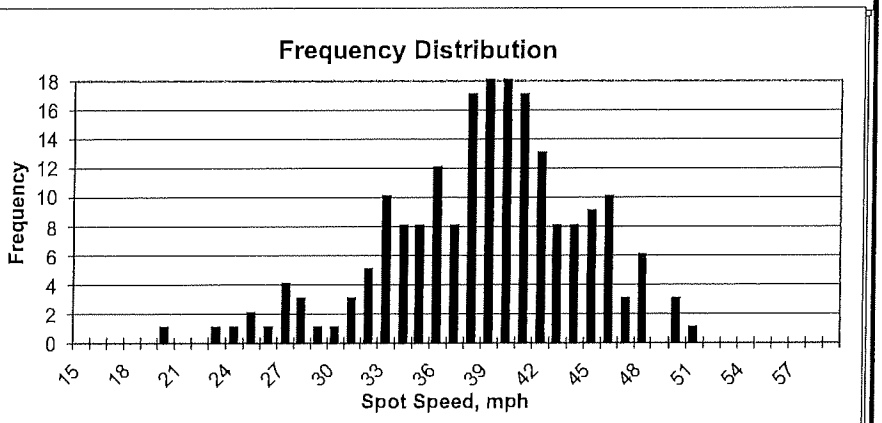
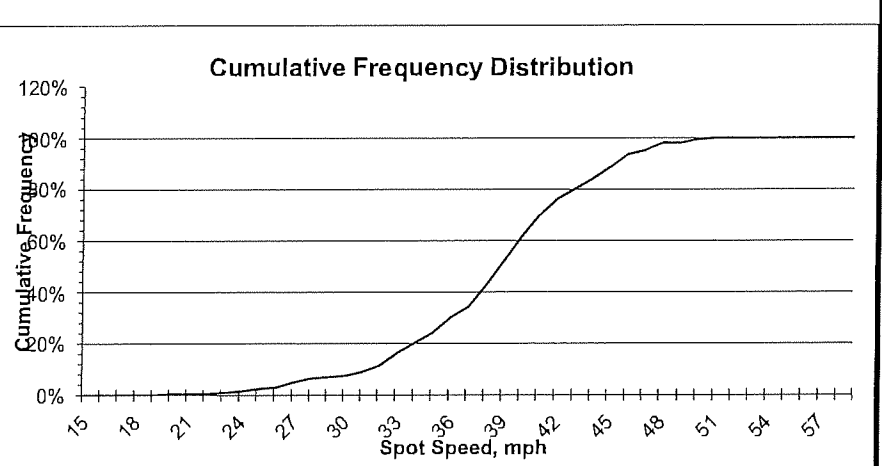
Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Crossroads Parkway N
 Spt.Spd. Location: City Boundary & Crossroads Parkway South Ref. # 01

Speed	Frequency	Percent	Cumulative Percent
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	1	0.50%	0.50%
21	0	0.00%	0.50%
22	0	0.00%	0.50%
23	1	0.50%	0.99%
24	1	0.50%	1.49%
25	2	0.99%	2.48%
26	1	0.50%	2.97%
27	4	1.98%	4.95%
28	3	1.49%	6.44%
29	1	0.50%	6.93%
30	1	0.50%	7.43%
31	3	1.49%	8.91%
32	5	2.48%	11.39%
33	10	4.95%	16.34%
34	8	3.96%	20.30%
35	8	3.96%	24.26%
36	12	5.94%	30.20%
37	8	3.96%	34.16%
38	17	8.42%	42.57%
39	19	9.41%	51.98%
40	19	9.41%	61.39%
41	17	8.42%	69.80%
42	13	6.44%	76.24%
43	8	3.96%	80.20%
44	8	3.96%	84.16%
45	9	4.46%	88.61%
46	10	4.95%	93.56%
47	3	1.49%	95.05%
48	6	2.97%	98.02%
49	0	0.00%	98.02%
50	3	1.49%	99.50%
51	1	0.50%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
58	0	0.00%	100.00%
59	0	0.00%	100.00%
Total:	202	100%	

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:27 PM To 2:11 PM
 Number of Lanes: 4
 Posted Speed: 35
 Channelization: Skip dash 2 way traffic
 Street Width: 84'
 Comm./Resid.: Mix
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	39
Standard Deviation:	6
Standard error of the mean:	0.42
15th Percentile:	33
50th Percentile:	39
85th Percentile:	45
10 Mile Pace:	33 to 42
% of Samples in 10-Mile Pace:	64.85%
# in 10 MPH pace:	131



Total: 202 100%

Prepared by NDS/ATD

VOLUME

Crossroads Pkwy N Bet. City Boundary & Crossroads Pkwy S

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_006

DAILY TOTALS						NB	SB	EB	WB	Total	
						0	0	5,059	5,049	10,108	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			9	25	34	12:00			75	87	162
00:15			7	25	32	12:15			85	99	184
00:30			3	20	23	12:30			94	104	198
00:45		24	5	9	14	12:45		329	75	80	155
01:00			5	8	13	13:00			79	59	138
01:15			2	6	8	13:15			71	76	147
01:30			3	11	14	13:30			87	69	156
01:45		12	2	16	18	13:45		317	80	65	145
02:00			4	9	13	14:00			89	54	143
02:15			1	7	8	14:15			73	76	149
02:30			5	10	15	14:30			67	69	136
02:45		16	6	9	15	14:45		298	69	72	141
03:00			5	8	13	15:00			82	71	153
03:15			7	9	16	15:15			65	79	145
03:30			11	8	19	15:30			91	67	158
03:45		31	8	9	17	15:45		316	77	71	148
04:00			8	9	17	16:00			74	74	148
04:15			13	8	21	16:15			52	58	110
04:30			21	13	34	16:30			90	86	176
04:45		51	19	24	43	16:45		299	83	93	176
05:00			14	65	79	17:00			130	88	218
05:15			30	57	87	17:15			73	93	166
05:30			29	47	76	17:30			90	81	171
05:45		107	34	50	84	17:45		380	87	75	162
06:00			36	32	68	18:00			84	75	159
06:15			47	60	107	18:15			55	78	133
06:30			68	44	112	18:30			63	72	135
06:45		224	73	75	148	18:45		234	32	65	97
07:00			109	54	163	19:00			59	81	140
07:15			191	60	251	19:15			41	63	104
07:30			194	75	269	19:30			39	82	121
07:45		704	210	86	296	19:45		169	30	51	81
08:00			198	79	277	20:00			32	59	91
08:15			110	91	201	20:15			39	55	94
08:30			89	78	167	20:30			21	44	65
08:45		476	79	64	143	20:45		103	11	45	56
09:00			72	63	135	21:00			16	42	58
09:15			55	63	118	21:15			28	56	84
09:30			66	51	117	21:30			10	33	43
09:45		243	50	55	105	21:45		71	17	37	54
10:00			74	66	140	22:00			15	58	73
10:15			55	51	106	22:15			13	39	52
10:30			62	54	116	22:30			13	34	47
10:45		263	72	51	133	22:45		55	14	32	46
11:00			66	62	128	23:00			15	26	41
11:15			63	52	115	23:15			11	13	24
11:30			85	71	156	23:30			9	47	56
11:45		286	72	79	151	23:45		41	6	28	34
TOTALS			2447	1988	4435	TOTALS			2612	3051	5673
SPLIT %			55.2%	44.8%	43.9%	SPLIT %			46.0%	54.0%	56.1%

DAILY TOTALS						NB	SB	EB	WB	Total
						0	0	5,059	5,049	10,108

AM Peak Hour	07:15	11:45	07:15	PM Peak Hour	17:00	12:00	16:30
AM Pk Volume	793	969	1093	PM Pk Volume	380	370	736
Pk Hr Factor	0.944	0.887	0.923	Pk Hr Factor	0.731	0.889	0.844
7 - 9 Volume	1380	587	1767	4 - 6 Volume	629	648	1327
7 - 9 Peak Hour	07:15	07:45	07:15	4 - 6 Peak Hour	17:00	16:30	16:30
7 - 9 Pk Volume	793	334	1093	4 - 6 Pk Volume	380	360	736
Pk Hr Factor	0.944	0.918	0.923	Pk Hr Factor	0.731	0.956	0.844

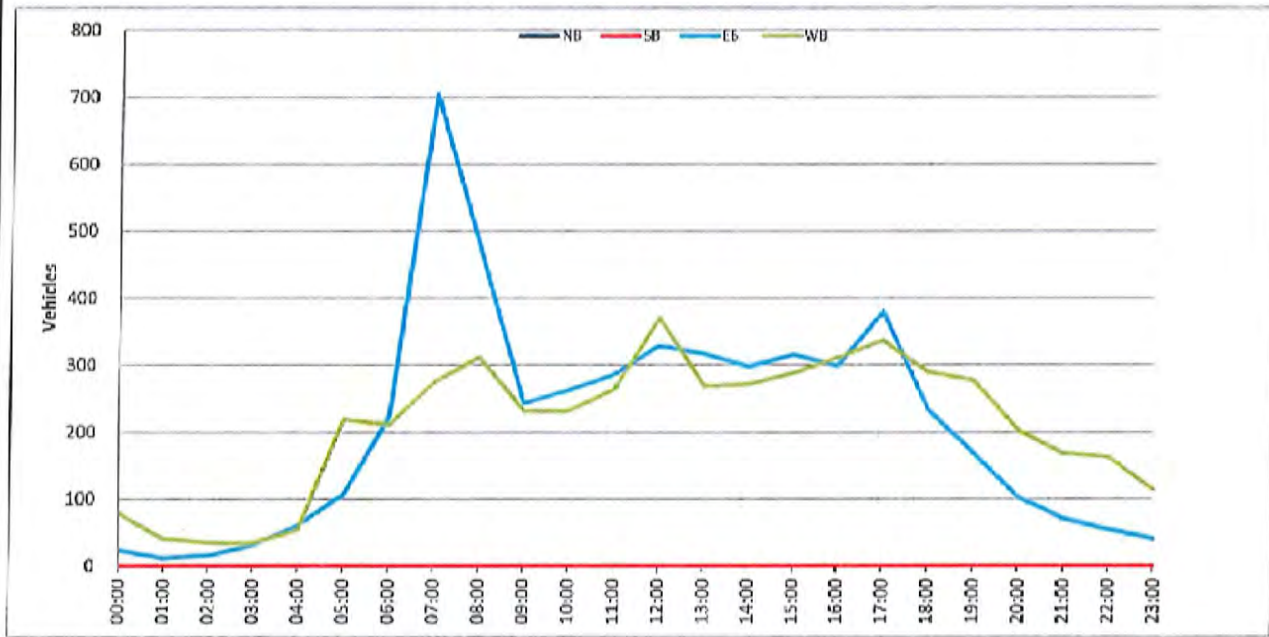
Prepared by NDS/ATD

Project #: CA16_5536_006

City: Industry

Location: Crossroads Pkwy N Bet. City Boundary &

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

64

STREET SEVENTH AVENUE
FROM SALT LAKE AVENUE

CERTIFICATION DATE:
TO DON JULIAN

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	40.0	Speed limit increased from existing. 85th Percentile downgraded to maintain consistency with adjacent segment.	
85th Percentile Speed	45.0		
10 mph Pace Speed	36 to 45	Recommended Speed Limit	40 MPH
Percentage of Vehicles in Pace	67.0%		
Number of Survey Samples	200		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	6
Collision Rate (ACC/MVM)	0.41
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

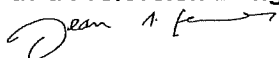
Average Daily Traffic	33,828	Date Counted	1/14/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at Don Julian Rd, Salt Lake Ave; Stop controlled at Bonelli St		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	2,112'
Width	64'
Vertical Curve	Slight curvature
Horizontal Curve	Slight curvature
Visibility	Fair
Roadway Conditions	No bike lanes, bus stops
Lighting	Yes
Adjacent Land Use	Industrial, Bridge overpass south of Bonelli St

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/18

TE 2097

Jean Fares

Date

State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Seventh Avenue
 Spt.Sp. Location: Salt Lake Ave & Don Julian

Ref. # 01

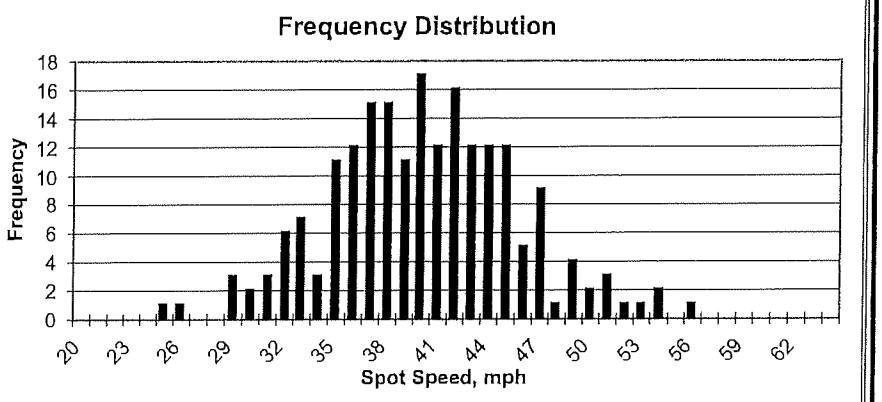
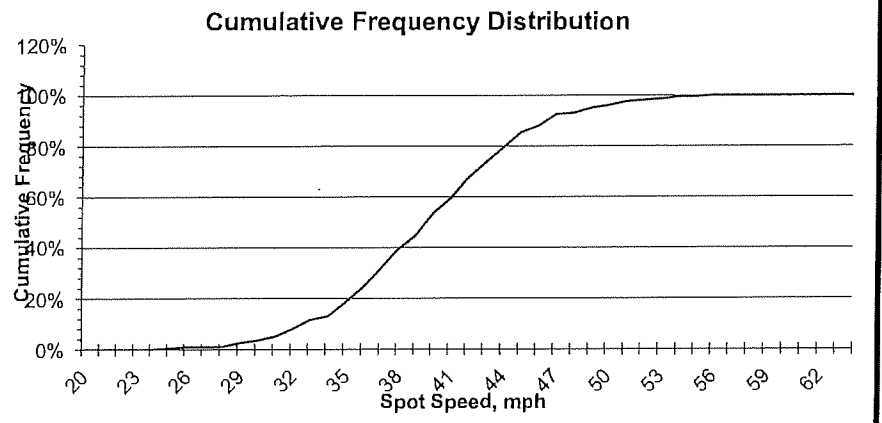
Speed	Frequency	Percent	Cumulative Percent
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	1	0.50%	0.50%
26	1	0.50%	1.00%
27	0	0.00%	1.00%
28	0	0.00%	1.00%
29	3	1.50%	2.50%
30	2	1.00%	3.50%
31	3	1.50%	5.00%
32	6	3.00%	8.00%
33	7	3.50%	11.50%
34	3	1.50%	13.00%
35	11	5.50%	18.50%
36	12	6.00%	24.50%
37	15	7.50%	32.00%
38	15	7.50%	39.50%
39	11	5.50%	45.00%
40	17	8.50%	53.50%
41	12	6.00%	59.50%
42	16	8.00%	67.50%
43	12	6.00%	73.50%
44	12	6.00%	79.50%
45	12	6.00%	85.50%
46	5	2.50%	88.00%
47	9	4.50%	92.50%
48	1	0.50%	93.00%
49	4	2.00%	95.00%
50	2	1.00%	96.00%
51	3	1.50%	97.50%
52	1	0.50%	98.00%
53	1	0.50%	98.50%
54	2	1.00%	99.50%
55	0	0.00%	99.50%
56	1	0.50%	100.00%
57	0	0.00%	100.00%
58	0	0.00%	100.00%
59	0	0.00%	100.00%
60	0	0.00%	100.00%
61	0	0.00%	100.00%
62	0	0.00%	100.00%
63	0	0.00%	100.00%
64	0	0.00%	100.00%

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 4
 Posted Speed: 35 mph
 Channelization: Skip dash 2 way traffic
 Street Width: 64'
 Comm./Resid.: Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

Mean Speed:	40
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	35
50th Percentile:	40
85th Percentile:	45
10 Mile Pace:	36 to 45
% of Samples in 10-Mile Pace:	67.00%
# in 10 MPH pace:	134

Comments: _____



Total: 200 100%

Prepared by KDS/ATD

VOLUME

7th Ave Bet. Salt Lake Ave & Don Julian Rd

Day: Thursday
Date: 1/14/2016

City: Industry
Project #: CA15_5829_061

DAILY TOTALS					NB	SB	EB	WB	Total		
					17,035	16,793	0	0	33,828		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	50	35			85	12:00	223	244			467
0:15	49	31			80	12:15	254	246			500
0:30	45	35			80	12:30	270	274			544
0:45	38	182	23	124	57	12:45	324	1071	251	1015	575
1:00	31	31			62	13:00	295	279			574
1:15	31	23			54	13:15	282	252			534
1:30	28	36			64	13:30	304	326			630
1:45	33	123	34	124	67	13:45	248	1129	273	1130	521
2:00	30	40			70	14:00	291	267			558
2:15	31	24			55	14:15	233	288			521
2:30	29	36			65	14:30	312	316			628
2:45	41	131	41	141	82	14:45	322	1158	282	1153	604
3:00	30	45			75	15:00	301	279			580
3:15	38	42			80	15:15	351	281			632
3:30	56	66			122	15:30	521	293			614
3:45	92	216	83	236	175	15:45	254	1227	174	1127	528
4:00	59	48			107	16:00	303	258			561
4:15	63	94			157	16:15	335	284			619
4:30	109	122			231	16:30	304	316			620
4:45	146	377	149	413	295	16:45	302	1244	243	1101	545
5:00	99	147			245	17:00	267	347			614
5:15	95	157			253	17:15	266	273			539
5:30	141	176			317	17:30	310	299			609
5:45	167	503	186	666	353	17:45	285	1128	297	1216	582
6:00	131	188			319	18:00	301	241			542
6:15	119	220			339	18:15	250	233			483
6:30	162	248			410	18:30	251	178			429
6:45	213	625	220	876	433	18:45	243	1045	141	793	384
7:00	185	252			437	19:00	253	172			425
7:15	215	311			526	19:15	190	168			358
7:30	268	227			495	19:30	180	154			334
7:45	273	941	251	1041	524	19:45	185	809	135	629	321
8:00	262	251			513	20:00	145	134			279
8:15	232	214			446	20:15	117	90			207
8:30	256	223			479	20:30	114	103			217
8:45	255	1006	229	917	485	20:45	113	489	107	434	220
9:00	210	198			408	21:00	128	150			278
9:15	191	185			376	21:15	115	116			231
9:30	181	214			395	21:30	112	119			231
9:45	199	781	198	795	397	21:45	123	478	105	470	228
10:00	263	230			493	22:00	106	82			188
10:15	215	199			415	22:15	97	79			176
10:30	211	202			413	22:30	101	101			202
10:45	215	905	201	832	416	22:45	69	375	69	331	138
11:00	209	220			429	23:00	59	76			135
11:15	220	231			451	23:15	47	70			117
11:30	224	285			509	23:30	46	57			103
11:45	235	898	253	989	488	23:45	44	195	37	240	81
TOTALS	6688	7154			13842	TOTALS	10347	9639			19986
SPLIT %	48.3%	51.7%			40.9%	SPLIT %	51.8%	48.2%			59.1%

DAILY TOTALS					NB	SB	EB	WB	Total
					17,035	16,793	0	0	33,828

AM Peak Hour	7:30	7:00			7:15	PM Peak Hour	14:45	17:00			14:30
AM Pk Volume	1035	1041			2058	PM Pk Volume	1295	1216			2444
Pk Hr Factor	0.948	0.837			0.970	Pk Hr Factor	0.922	0.876			0.967
7 - 9 Volume	1947	1958			3905	4 - 6 Volume	2372	2317			4689
7 - 9 Peak Hour	7:30	7:00			7:15	4 - 6 Peak Hour	16:00	17:00			16:15
7 - 9 Pk Volume	1035	1041			2058	4 - 6 Pk Volume	1244	1216			2398
Pk Hr Factor	0.948	0.837			0.978	Pk Hr Factor	0.928	0.876			0.967

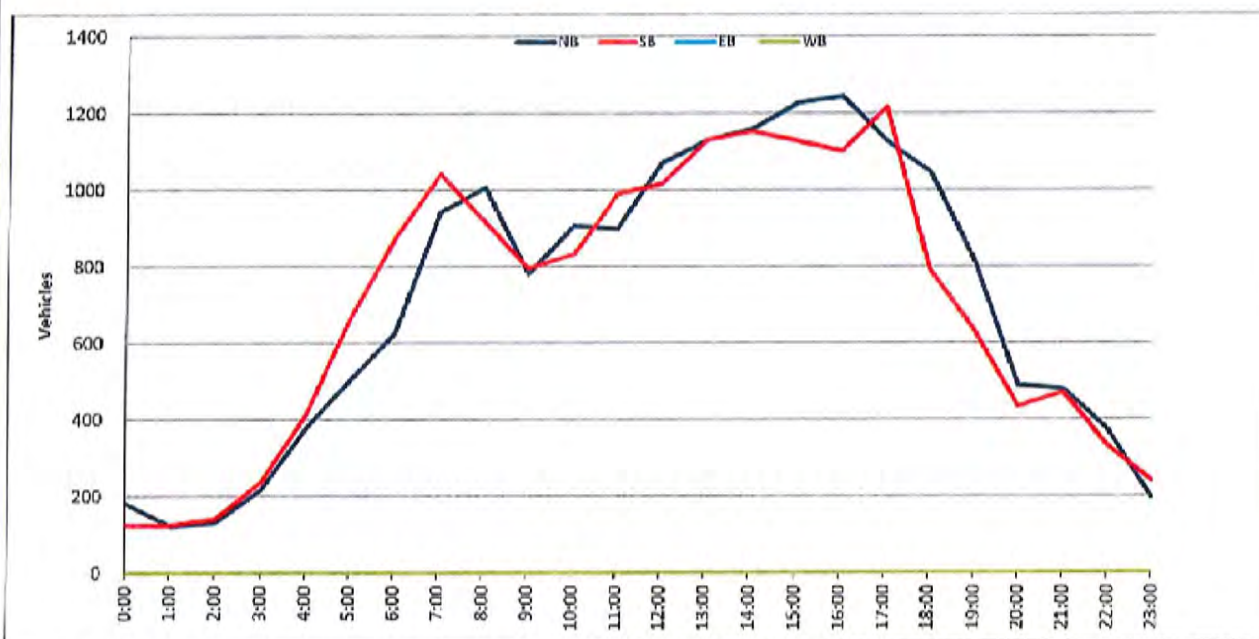
Prepared by NDS/ATD

Project #: CA15_5829_061

City: Industry

Location: 7th Ave Bet. Salt Lake Ave & Don Julian Rd

Date: 1/14/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

65

STREET ARENTH AVENUE
FROM FULLERTON ROAD

CERTIFICATION DATE:
TO NOGALES STREET

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	9:00 AM to 12:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37.0	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	44.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	53.0%	Recommended Speed Limit	40 MPH
Number of Survey Samples			

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	5
Collision Rate (ACC/MVM)	0.73
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

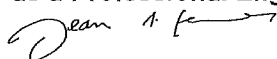
Average Daily Traffic	6,485	Date Counted	1/27/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at Fullerton Rd, Nogales St; Stop controlled at Epperson Dr		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	On north side of segment		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	5,122'
Width	48'
Vertical Curve	Slight curvature
Horizontal Curve	Curvature throughout segment
Visibility	Some restriction due to road curvature
Roadway Conditions	Channel adjacent to road on south side of segment
Lighting	On north side of segment
Adjacent Land Use	Commercial, industrial, channel

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/18

Jean Fares	Date	State Registration Number
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CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Arenth Ave
 Spt.Sp. Location: Fullerton Rd & Nogales St

Ref. # 01

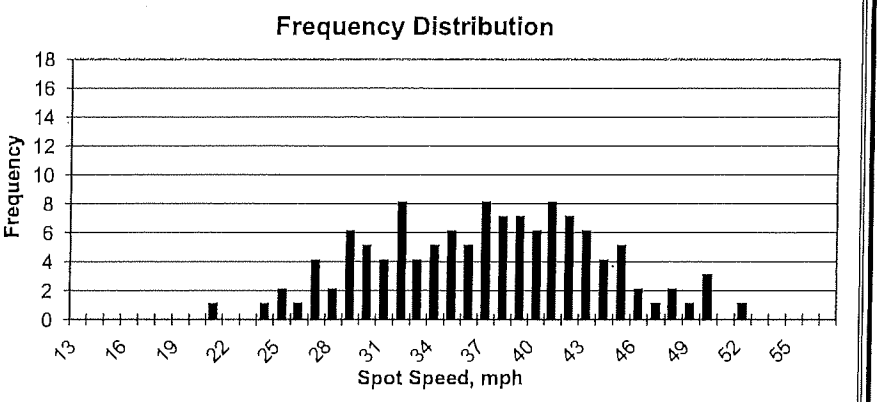
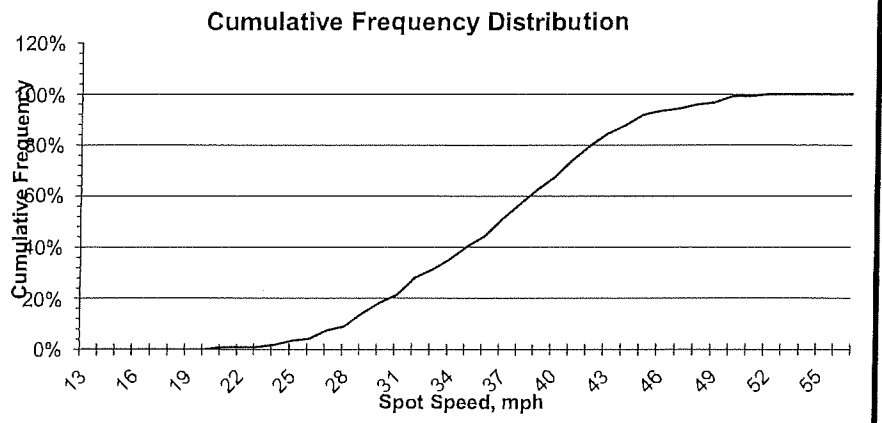
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	1	0.82%	0.82%
22	0	0.00%	0.82%
23	0	0.00%	0.82%
24	1	0.82%	1.64%
25	2	1.64%	3.28%
26	1	0.82%	4.10%
27	4	3.28%	7.38%
28	2	1.64%	9.02%
29	6	4.92%	13.93%
30	5	4.10%	18.03%
31	4	3.28%	21.31%
32	8	6.56%	27.87%
33	4	3.28%	31.15%
34	5	4.10%	35.25%
35	6	4.92%	40.16%
36	5	4.10%	44.26%
37	8	6.56%	50.82%
38	7	5.74%	56.56%
39	7	5.74%	62.30%
40	6	4.92%	67.21%
41	8	6.56%	73.77%
42	7	5.74%	79.51%
43	6	4.92%	84.43%
44	4	3.28%	87.70%
45	5	4.10%	91.80%
46	2	1.64%	93.44%
47	1	0.82%	94.26%
48	2	1.64%	95.90%
49	1	0.82%	96.72%
50	3	2.46%	99.18%
51	0	0.00%	99.18%
52	1	0.82%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%
Total:	122	100%	

Date: 8/24/2016 Day: Wednesday
 Weather: Partly Cloudy
 Hours: 9:00 AM To 12:00 PM
 Number of Lanes: 4
 Posted Speed: 35 mph
 Channelization: Skip dash 2 way traffic
 Street Width: 48'
 Comm./Resid.: Commercial/Industrial
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	37
Standard Deviation:	6
Standard error of the mean:	0.54
15th Percentile:	30
50th Percentile:	37
85th Percentile:	44
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	53.28%
# in 10 MPH pace:	65

Comments: _____



Prepared by NGS/ATO

VOLUME

Arenth Ave Bet. Fullerton Rd & Nogales St

Day: Wednesday
Date: 27-01-2016

City: Industry
Project #: CA15_5829_067

DAILY TOTALS		NB	SB	EB	WB	Total						
		0	0	3,655	2,830	6,485						
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00			8	8	16	12:00			46	43	89	
0:15			5	7	12	12:15			50	49	99	
0:30			7	5	12	12:30			55	43	98	
0:45			6	26	3	23	12:45		54	205	48	183
1:00			2	1	3	13:00			58	41	99	
1:15			2	0	2	13:15			49	41	90	
1:30			1	2	3	13:30			51	56	107	
1:45			1	6	3	6	13:45		64	222	41	179
2:00			5	2	7	14:00			44	31	75	
2:15			2	3	5	14:15			41	37	78	
2:30			3	2	5	14:30			94	52	146	
2:45			3	13	2	9	14:45		55	234	37	157
3:00			1	5	6	15:00			73	40	113	
3:15			4	8	12	15:15			61	47	108	
3:30			5	6	11	15:30			86	48	134	
3:45			4	14	2	21	15:45		80	300	33	168
4:00			8	4	12	16:00			82	46	128	
4:15			5	11	16	16:15			80	35	115	
4:30			8	15	23	16:30			82	57	139	
4:45			15	36	21	51	16:45		86	330	39	177
5:00			6	22	28	17:00			106	65	171	
5:15			6	39	45	17:15			113	35	148	
5:30			13	26	39	17:30			124	62	186	
5:45			19	44	48	135	17:45		92	435	34	196
6:00			4	31	35	18:00			89	64	153	
6:15			11	53	64	18:15			75	33	108	
6:30			15	45	60	18:30			69	30	99	
6:45			26	56	59	188	18:45		65	298	33	160
7:00			23	38	61	19:00			57	27	84	
7:15			33	51	84	19:15			53	20	73	
7:30			37	53	90	19:30			44	35	79	
7:45			61	154	60	202	19:45		41	195	22	104
8:00			50	61	111	20:00			37	14	51	
8:15			84	68	152	20:15			39	18	57	
8:30			68	56	124	20:30			36	9	45	
8:45			56	258	65	250	20:45		36	148	14	55
9:00			51	39	90	21:00			36	15	51	
9:15			34	51	85	21:15			27	12	39	
9:30			39	49	88	21:30			12	4	16	
9:45			26	150	33	172	21:45		31	106	7	38
10:00			35	33	68	22:00			28	10	38	
10:15			31	30	61	22:15			17	8	25	
10:30			37	33	70	22:30			15	8	23	
10:45			39	142	45	141	22:45		16	76	5	31
11:00			42	35	77	23:00			12	11	23	
11:15			49	30	79	23:15			6	3	9	
11:30			43	69	112	23:30			10	3	13	
11:45			37	171	31	165	23:45		8	36	2	19
TOTALS			1070	1363	2433	TOTALS			2585	1467	4052	
SPLIT %			44.0%	56.0%	37.5%	SPLIT %			63.8%	36.2%	62.5%	

DAILY TOTALS		NB	SB	EB	WB	Total
		0	0	3,655	2,830	6,485

AM Peak Hour	7:45	8:00	7:45	PM Peak Hour	17:00	16:45	17:00
AM Pk Volume	263	250	508	PM Pk Volume	435	201	631
Pk Hr Factor	0.783	0.919	0.836	Pk Hr Factor	0.817	0.773	0.846
7 - 9 Volume	412	452	864	4 - 6 Volume	765	373	1138
7 - 8 Peak Hour	7:45	8:00	7:45	4 - 6 Peak Hour	17:00	16:45	17:00
7 - 9 Pk Volume	263	250	508	4 - 6 Pk Volume	435	201	631
Pk Hr Factor	0.783	0.919	0.836	Pk Hr Factor	0.817	0.773	0.846

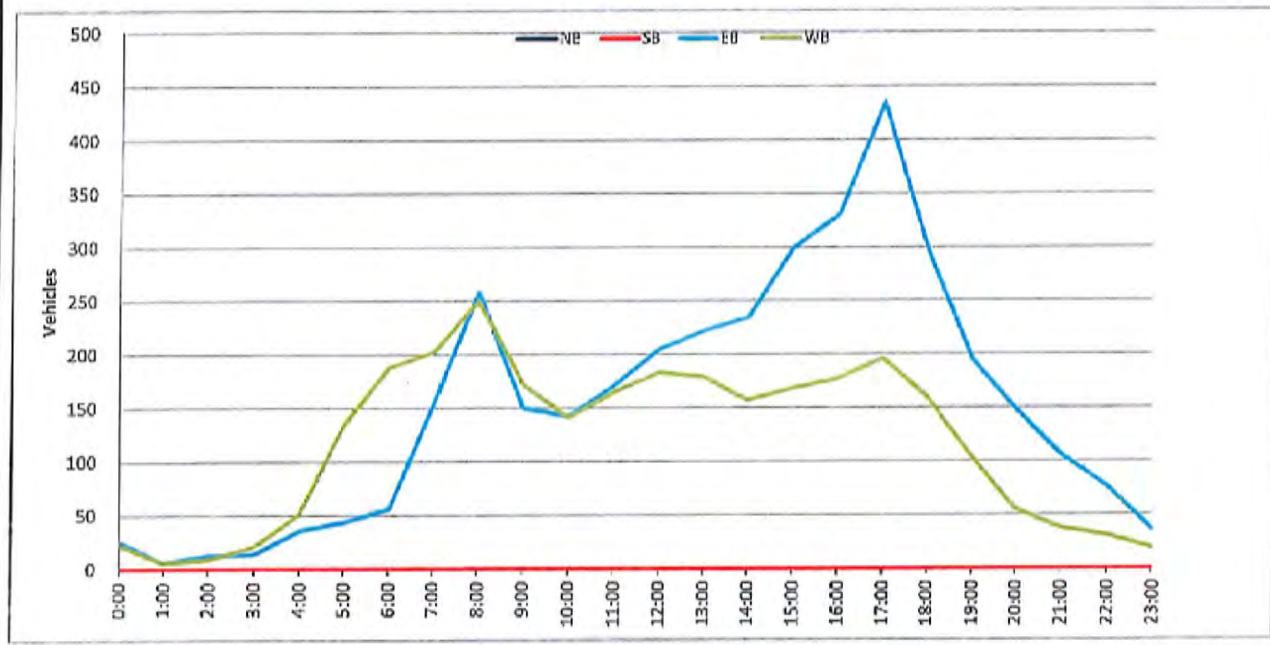
Prepared by NDS/ATD

Project #: CA15_5829_067

City: Industry

Location: Arenth Ave Bet. Fullerton Rd & Nogales St

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

66

STREET CHESTNUT ST
FROM BIXBY

CERTIFICATION DATE:
TO ANAHEIM AND PUENTE ROAD

SPEED FACTORS

Date of Speed Survey	8/30/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	9:00 AM to 12:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35.0	85th Percentile speed downgraded due to high collision rate.	
85th Percentile Speed	41.0		
10 mph Pace Speed	32 to 41		
Percentage of Vehicles in Pace	63.0%	Recommended Speed Limit	35 MPH
Number of Survey Samples	396		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	4
Collision Rate (ACC/MVM)	1.53
Expected Collisions (ACC/MVM)	0.94

TRAFFIC FACTORS

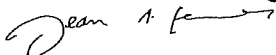
Average Daily Traffic	3,311	Date Counted	1/27/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Stop controlled at Anaheim and Puente Rd, Kearn Creek Ct, Bixby Dr		
Crosswalks?	No		
Pedestrian Traffic	Few		
Truck Traffic	Yes, heavy		
On-Street Parking	No		
Sidewalks?	No		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	3,802'
Width	48'
Vertical Curve	Slight curvature
Horizontal Curve	Slight horizontal curvature
Visibility	Slight restriction due to horizontal curvature
Roadway Conditions	No bike, bus route
Lighting	
Adjacent Land Use	Rail yard north of segment; Industrial south of segment

Field Study By **KHA** Checked By **KHA**

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/18

Jean Fares	Date	State Registration Number
------------	------	---------------------------

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Chestnut St
Spt.Spd. Location: Bixby & Anaheim and Puente

Ref. # 01

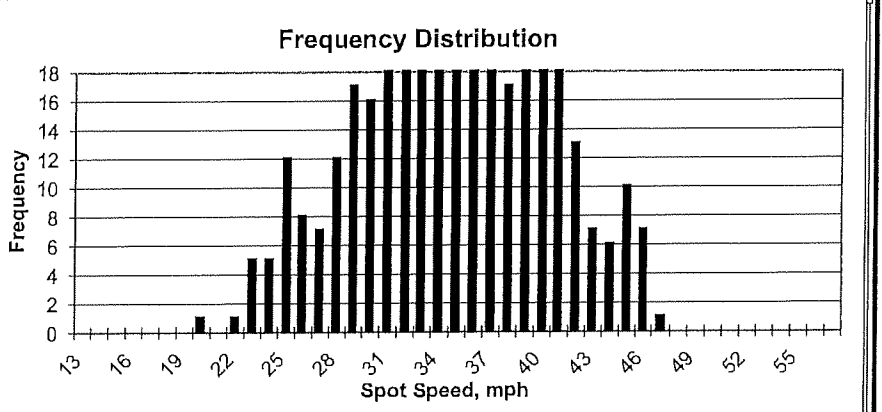
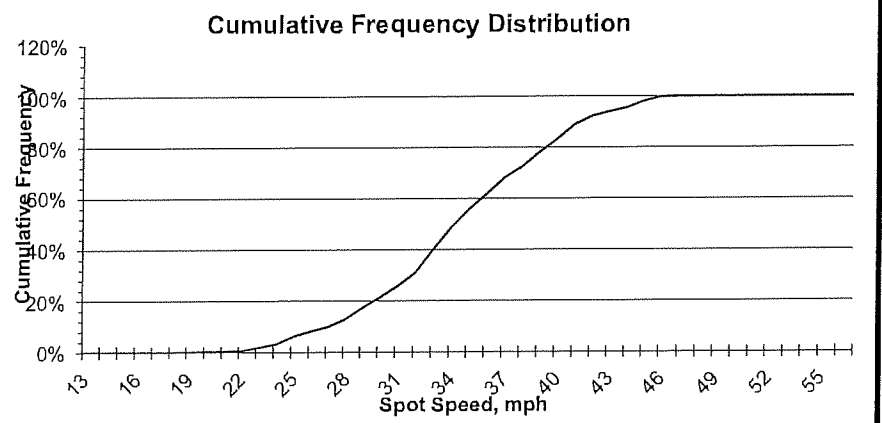
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	1	0.25%	0.25%
21	0	0.00%	0.25%
22	1	0.25%	0.51%
23	5	1.26%	1.77%
24	5	1.26%	3.03%
25	12	3.03%	6.06%
26	8	2.02%	8.08%
27	7	1.77%	9.85%
28	12	3.03%	12.88%
29	17	4.29%	17.17%
30	16	4.04%	21.21%
31	18	4.55%	25.76%
32	21	5.30%	31.06%
33	35	8.84%	39.90%
34	34	8.59%	48.48%
35	28	7.07%	55.56%
36	24	6.06%	61.62%
37	25	6.31%	67.93%
38	17	4.29%	72.22%
39	23	5.81%	78.03%
40	20	5.05%	83.08%
41	23	5.81%	88.89%
42	13	3.28%	92.17%
43	7	1.77%	93.94%
44	6	1.52%	95.45%
45	10	2.53%	97.98%
46	7	1.77%	99.75%
47	1	0.25%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/30/2016 **Day:** Tuesday
Weather: Partly Cloudy
Hours: 9:00 AM **To** 12:00 PM
Number of Lanes: 2
Posted Speed: 35 mph
Channelization: Not channelized, one lane per direction
Street Width: 48'
Comm./Resid.: Industrial
DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	35
Standard Deviation:	5
Standard error of the mean:	0.25
15th Percentile:	29
50th Percentile:	35
85th Percentile:	41
10 Mile Pace:	32 to 41
% of Samples in 10-Mile Pace:	63.13%
# in 10 MPH pace:	250

Comments: _____



Total: 396 100%

Prepared by NDS/ATD

VOLUME

Chestnut St Bet. Bixby Dr & Anaheim and Puente Rd

Day: Wednesday
Date: 1/27/2016

City: Industry
Project #: CA15_5829_070

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	1,786	1,525	3,311		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			8	7	15	12:00			30	26	56
00:15			3	2	5	12:15			17	28	45
00:30			2	2	4	12:30			20	32	52
00:45			1	1	2	12:45			26	93	117
01:00			0	1	1	13:00			13	21	34
01:15			1	0	1	13:15			20	29	49
01:30			0	1	1	13:30			32	10	42
01:45			0	0	0	13:45			20	85	105
02:00			7	0	7	14:00			18	17	35
02:15			2	0	2	14:15			18	20	38
02:30			4	1	5	14:30			49	21	70
02:45			0	0	0	14:45			12	97	109
03:00			1	0	1	15:00			38	24	62
03:15			2	0	2	15:15			30	33	63
03:30			0	0	0	15:30			84	19	103
03:45			2	1	3	15:45			29	181	210
04:00			3	5	8	16:00			56	22	78
04:15			4	2	6	16:15			49	11	60
04:30			3	27	30	16:30			69	23	92
04:45			9	19	28	16:45			62	236	301
05:00			6	12	18	17:00			91	34	125
05:15			8	7	15	17:15			68	35	103
05:30			10	13	23	17:30			66	53	119
05:45			14	38	52	17:45			36	261	301
06:00			12	27	39	18:00			47	36	83
06:15			8	29	37	18:15			19	28	47
06:30			9	23	32	18:30			32	10	42
06:45			24	53	77	18:45			11	109	120
07:00			32	35	67	19:00			11	7	18
07:15			23	48	71	19:15			12	8	20
07:30			23	45	68	19:30			10	9	19
07:45			36	114	150	19:45			7	40	47
08:00			41	35	76	20:00			1	3	4
08:15			52	31	83	20:15			3	3	6
08:30			39	23	62	20:30			4	3	7
08:45			38	170	208	20:45			5	13	18
09:00			19	24	43	21:00			3	0	3
09:15			24	17	41	21:15			6	1	7
09:30			11	19	30	21:30			6	4	10
09:45			15	69	84	21:45			2	17	19
10:00			17	9	26	22:00			7	0	7
10:15			13	17	30	22:15			1	4	5
10:30			13	19	32	22:30			5	2	7
10:45			15	58	73	22:45			2	15	17
11:00			17	20	37	23:00			3	2	5
11:15			21	18	39	23:15			1	2	3
11:30			17	18	35	23:30			2	5	7
11:45			22	77	99	23:45			2	8	10
TOTALS			631	784	1415	TOTALS			1155	741	1896
SPLIT %			44.6%	55.4%	42.7%	SPLIT %			60.3%	39.1%	57.3%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,786	1,525	3,311

AM Peak Hour	06:00	06:45	07:30	PM Peak Hour	16:30	17:15	17:00
AM Pk Volume	170	184	305	PM Pk Volume	290	174	433
Pk Hr Factor	0.817	0.821	0.922	Pk Hr Factor	0.797	0.821	0.866
7 - 9 Volume	284	295	579	4 - 6 Volume	497	237	734
7 - 9 Peak Hour	08:00	07:00	07:30	4 - 6 Peak Hour	16:30	17:00	17:00
7 - 9 Pk Volume	170	171	305	4 - 6 Pk Volume	290	172	433
Pk Hr Factor	0.817	0.891	0.922	Pk Hr Factor	0.797	0.811	0.866

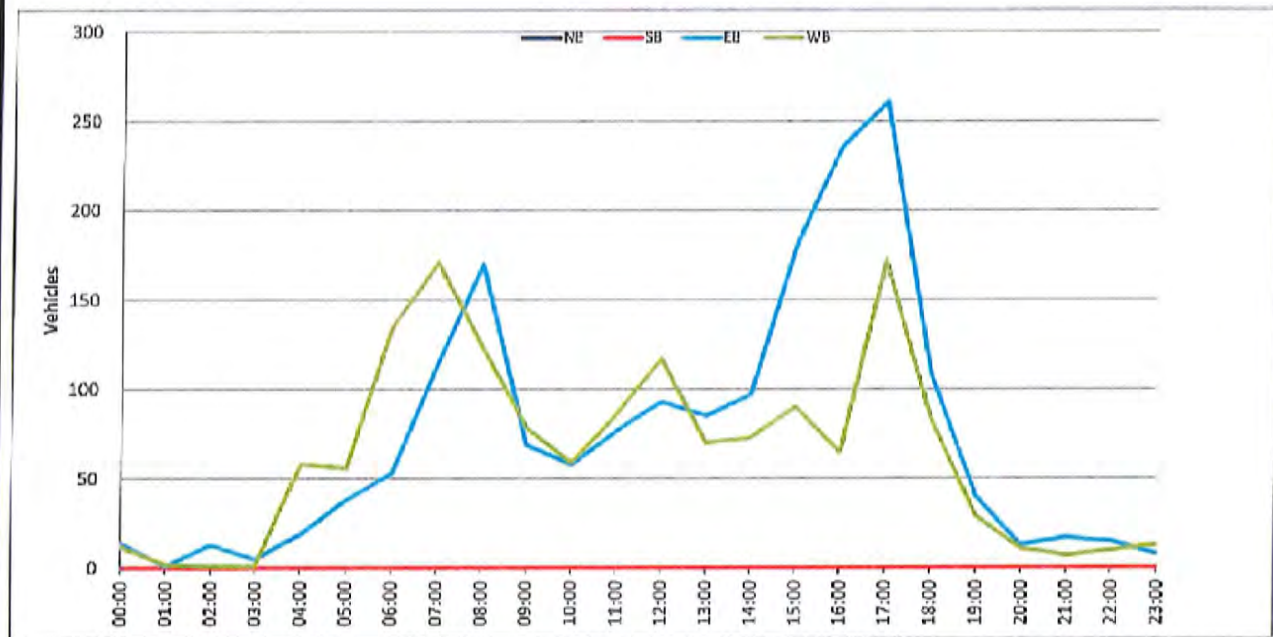
Prepared by NDS/ATD

Project #: CA15_5829_070

City: Industry

Location: Chestnut St Bet. Bixby Dr & Anaheim and

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

67

STREET DON JULIAN ROAD
FROM 7TH

CERTIFICATION DATE:
TO TURNBULL

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	37.0	85th Percentile speed rounded down per CVC Section 21400(b) and maintain consistency with adjacent segments.	
85th Percentile Speed	39.0		
10 mph Pace Speed	32 to 41	Recommended Speed Limit	35 MPH
Percentage of Vehicles in Pace	91.0%		
Number of Survey Samples	106		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	3
Collision Rate (ACC/MVM)	0.41
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

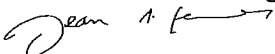
Average Daily Traffic	8,542	Date Counted	1/14/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at 7th Ave and south of 9th Ave, Turnbull Canyon Rd; Stop controlled at 9th Ave		
Crosswalks?	At signalized intersections		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes, on northeast side of segment		
Driveways?	Yes		

ROADWAY FACTORS

Length of Segment	4,119'
Width	44'
Vertical Curve	No
Horizontal Curve	No
Visibility	Good
Roadway Conditions	Railroad crossing north of 7th Ave; channel crossing east of 7th Ave
Lighting	On south side of segment
Adjacent Land Use	Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	5/23/18
	State Registration Number	TE 2097

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Don Julian Rd
 Spt.Sp. Location: 7th Ave & Turnbull Canyon Rd

Ref. # 01

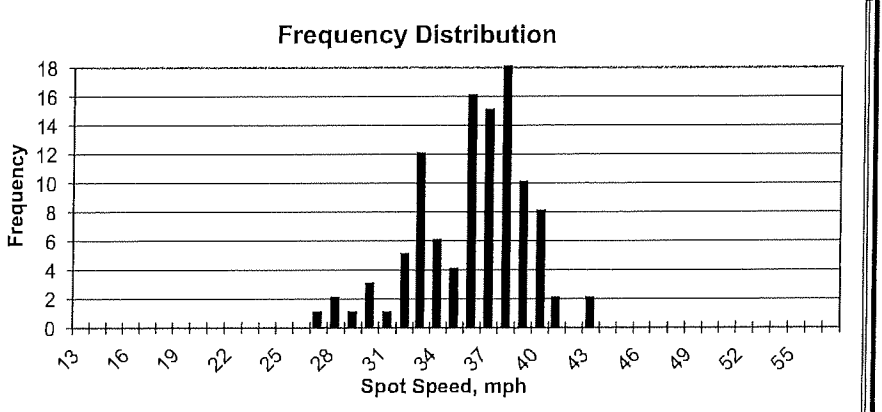
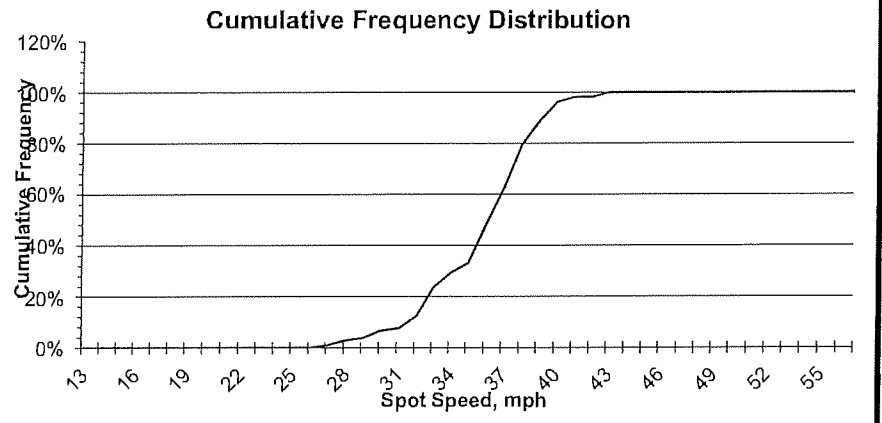
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	1	0.94%	0.94%
28	2	1.89%	2.83%
29	1	0.94%	3.77%
30	3	2.83%	6.60%
31	1	0.94%	7.55%
32	5	4.72%	12.26%
33	12	11.32%	23.58%
34	6	5.66%	29.25%
35	4	3.77%	33.02%
36	16	15.09%	48.11%
37	15	14.15%	62.26%
38	18	16.98%	79.25%
39	10	9.43%	88.68%
40	8	7.55%	96.23%
41	2	1.89%	98.11%
42	0	0.00%	98.11%
43	2	1.89%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 4
 Posted Speed: 35 mph
 Channelization: Skip dash 2 way traffic
 Street Width: 44'
 Comm./Resid.: Industrial
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	36
Standard Deviation:	3
Standard error of the mean:	0.29
15th Percentile:	33
50th Percentile:	37
85th Percentile:	39
10 Mile Pace:	32 to 41
% of Samples in 10-Mile Pace:	90.57%
# in 10 MPH pace:	96

Comments: _____



Total: 106 100%

Prepared by NDS/ATD

VOLUME

Don Julian Rd Bet. 7th Ave & Turnbull Cyn Rd

Day: Thursday
Date: 1/14/2016

City: Industry
Project #: CA15_5829_073

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	4,335	4,207	8,542		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00			4	13	17	12:00			79	49	128
0:15			1	3	4	12:15			82	46	128
0:30			1	4	5	12:30			70	61	131
0:45			2	8	10	12:45			86	317	403
1:00			3	3	6	13:00			57	69	126
1:15			0	1	1	13:15			69	72	141
1:30			9	2	11	13:30			84	100	184
1:45			4	16	20	13:45			74	294	368
2:00			1	2	3	14:00			57	79	136
2:15			5	2	7	14:15			67	61	128
2:30			7	3	10	14:30			85	58	143
2:45			6	19	25	14:45			79	288	367
3:00			2	7	9	15:00			93	62	155
3:15			3	2	5	15:15			90	77	167
3:30			5	6	11	15:30			89	79	168
3:45			7	17	24	15:45			92	364	456
4:00			3	6	9	16:00			89	61	150
4:15			7	6	13	16:15			83	65	148
4:30			28	9	37	16:30			112	81	193
4:45			34	72	106	16:45			106	390	496
5:00			13	14	27	17:00			143	89	232
5:15			21	21	42	17:15			105	83	188
5:30			34	20	54	17:30			111	84	195
5:45			47	115	162	17:45			108	467	575
6:00			23	35	58	18:00			83	40	123
6:15			22	63	85	18:15			75	44	119
6:30			38	57	95	18:30			77	50	127
6:45			63	146	209	18:45			51	286	337
7:00			44	97	141	19:00			39	55	94
7:15			70	119	189	19:15			36	29	65
7:30			67	132	199	19:30			18	16	34
7:45			89	270	359	19:45			23	116	139
8:00			56	121	177	20:00			24	11	35
8:15			86	112	198	20:15			20	23	43
8:30			80	90	170	20:30			16	17	33
8:45			78	310	388	20:45			19	79	98
9:00			54	96	150	21:00			11	13	24
9:15			56	49	105	21:15			11	16	27
9:30			49	46	95	21:30			15	9	24
9:45			50	209	259	21:45			23	60	83
10:00			61	52	113	22:00			14	20	34
10:15			38	49	87	22:15			15	12	27
10:30			55	48	103	22:30			16	6	22
10:45			49	203	252	22:45			5	51	56
11:00			59	43	102	23:00			11	17	28
11:15			44	55	99	23:15			1	11	12
11:30			51	35	87	23:30			6	19	25
11:45			61	215	276	23:45			5	23	28
TOTALS			1600	1999	3599	TOTALS			2735	2208	4943
SPLIT %			44.5%	55.5%	42.1%	SPLIT %			55.3%	44.7%	57.9%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	4,335	4,207	8,542

AM Peak Hour	7:45	7:15	7:30	PM Peak Hour	17:00	13:15	17:00
AM Pk Volume	321	517	818	PM Pk Volume	467	392	796
Pk Hr Factor	0.902	0.891	0.874	Pk Hr Factor	0.816	0.830	0.858
7 - 9 Volume	580	905	1485	4 - 6 Volume	857	603	1457
7 - 9 Peak Hour	7:45	7:15	7:30	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	321	517	818	4 - 6 Pk Volume	467	329	796
Pk Hr Factor	0.902	0.891	0.874	Pk Hr Factor	0.816	0.924	0.858

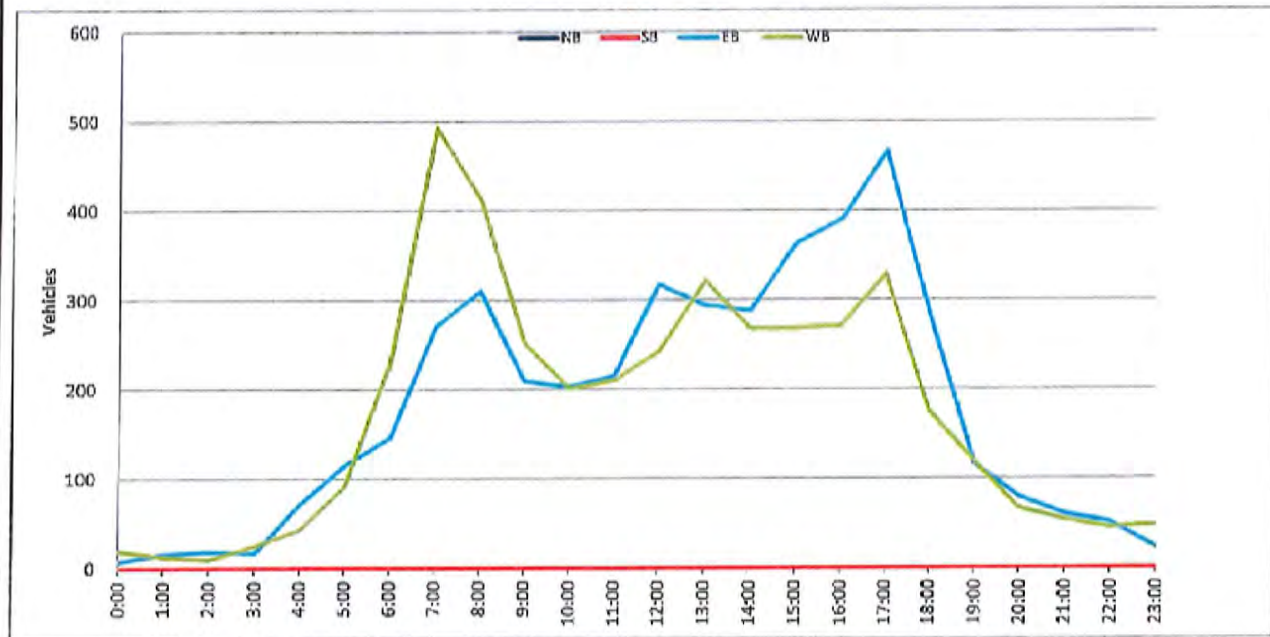
Prepared by NDS/ATD

Project #: CA15_5829_073

City: Industry

Location: Don Julian Rd Bet. 7th Ave & Turnbull Cyn

Date: 1/14/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

68

STREET DON JULIAN ROAD
FROM TURNBULL

CERTIFICATION DATE:
TO HACIENDA

SPEED FACTORS

Date of Speed Survey	8/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	32.0	85th Percentile speed applied.	
85th Percentile Speed	36.0		
10 mph Pace Speed	28 to 37		
Percentage of Vehicles in Pace	75.7%	Recommended Speed Limit	35 MPH
Number of Survey Samples	103		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	6
Collision Rate (ACC/MVM)	0.94
Expected Collisions (ACC/MVM)	1.31

TRAFFIC FACTORS

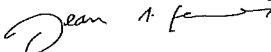
Average Daily Traffic	8,251	Date Counted	1/27/2016
Number of Lanes	2 lanes each direction		
Type of Traffic Control	Signalized at Turnbull		
Crosswalks?	At signalized intersection		
Pedestrian Traffic	None		
Truck Traffic	Yes		
On-Street Parking	None		
Sidewalks?	Yes		
Driveways?	Frequent		

ROADWAY FACTORS

Length of Segment	3,749
Width	48' to the west, 64' to the east
Vertical Curve	Yes
Horizontal Curve	Yes
Visibility	Some restriction due to curvature
Roadway Conditions	No bike lane, bus routes
Lighting	Yes
Adjacent Land Use	Commercial/Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	State Registration Number
	5/23/18	TE 2097

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Don Julian Rd
 Spt.Spd. Location: Turnbull Canyon Rd & Hacienda Blvd

Ref. # 01

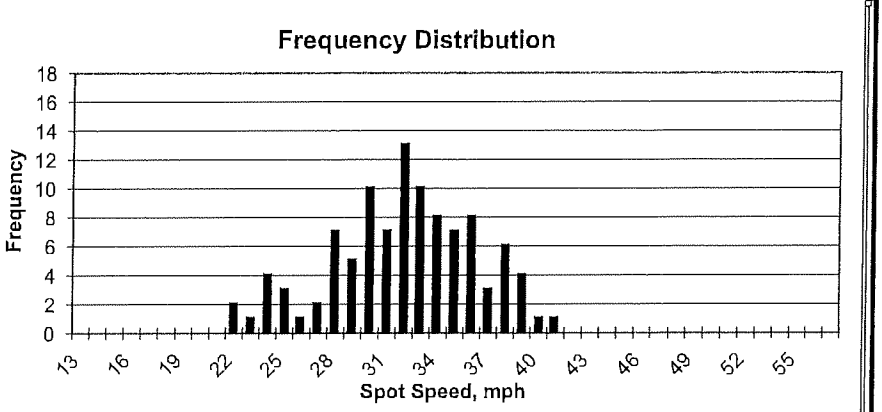
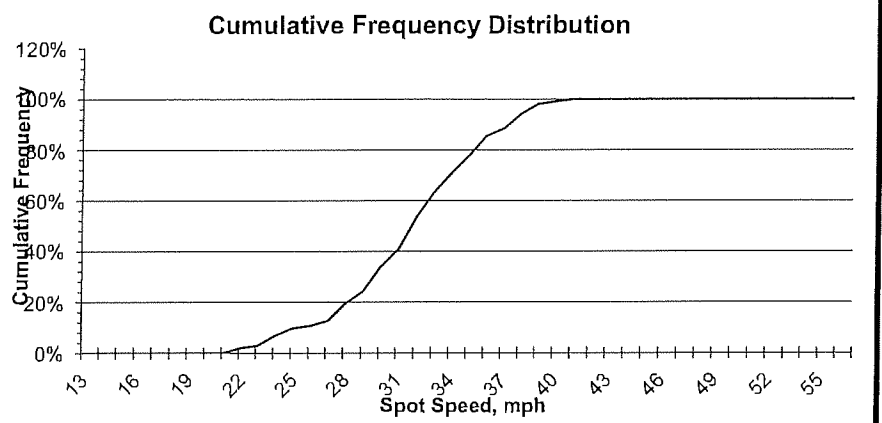
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	2	1.94%	1.94%
23	1	0.97%	2.91%
24	4	3.88%	6.80%
25	3	2.91%	9.71%
26	1	0.97%	10.68%
27	2	1.94%	12.62%
28	7	6.80%	19.42%
29	5	4.85%	24.27%
30	10	9.71%	33.98%
31	7	6.80%	40.78%
32	13	12.62%	53.40%
33	10	9.71%	63.11%
34	8	7.77%	70.87%
35	7	6.80%	77.67%
36	8	7.77%	85.44%
37	3	2.91%	88.35%
38	6	5.83%	94.17%
39	4	3.88%	98.06%
40	1	0.97%	99.03%
41	1	0.97%	100.00%
42	0	0.00%	100.00%
43	0	0.00%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 4
 Posted Speed: 35 mph
 Channelization: Double-yellow and raised median
 Street Width: 48' and 64'
 Comm./Resid.: Industrial
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

Mean Speed:	32
Standard Deviation:	4
Standard error of the mean:	0.39
15th Percentile:	28
50th Percentile:	32
85th Percentile:	36
10 Mile Pace:	28 to 37
% of Samples in 10-Mile Pace:	75.73%
# in 10 MPH pace:	78

Comments: _____



Total: 103 100%

Prepared by NDS/ATD

VOLUME

Don Julian Rd Bet. Turnbull Cyn Rd & Hacienda Blvd

Day: Wednesday
Date: 27-01-2016

City: Industry
Project #: CA15_5829_074

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	3,621	4,630	8,251		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00			10	4	14	12:00			71	55	126
0:15			2	5	7	12:15			78	77	155
0:30			4	2	6	12:30			38	100	138
0:45			2	18	2	12:45		41	228	68	300
1:00			6	5	11	13:00			42	87	129
1:15			1	2	3	13:15			57	83	140
1:30			1	5	6	13:30			87	67	154
1:45			1	9	4	13:45		58	244	68	305
2:00			7	5	12	14:00			57	48	105
2:15			5	3	8	14:15			58	77	135
2:30			7	3	12	14:30			84	63	147
2:45			4	23	9	14:45		77	276	66	254
3:00			4	3	12	15:00			91	52	143
3:15			3	3	6	15:15			67	54	121
3:30			6	16	22	15:30			97	49	146
3:45			5	18	26	15:45		62	317	73	228
4:00			8	18	26	16:00			107	50	157
4:15			6	34	40	16:15			64	71	135
4:30			13	57	70	16:30			118	55	173
4:45			11	38	78	16:45		78	357	48	224
5:00			12	34	46	17:00			126	50	176
5:15			19	39	58	17:15			102	50	152
5:30			21	55	76	17:30			146	60	206
5:45			20	72	68	17:45		85	450	56	216
6:00			19	29	48	18:00			88	59	147
6:15			16	68	84	18:15			77	55	132
6:30			32	69	101	18:30			59	33	92
6:45			26	93	105	18:45		35	259	34	181
7:00			29	106	135	19:00			51	23	74
7:15			36	151	187	19:15			41	26	67
7:30			42	170	212	19:30			25	17	42
7:45			68	175	140	19:45		20	137	21	87
8:00			38	137	175	20:00			23	14	37
8:15			29	144	173	20:15			26	15	41
8:30			35	141	176	20:30			18	15	33
8:45			42	144	115	20:45		8	75	20	64
9:00			43	109	152	21:00			10	11	21
9:15			37	90	127	21:15			15	27	42
9:30			41	67	108	21:30			9	15	24
9:45			41	162	67	21:45		15	49	19	72
10:00			43	71	114	22:00			38	13	51
10:15			38	45	87	22:15			12	16	28
10:30			46	38	84	22:30			14	5	19
10:45			38	165	49	22:45		5	69	7	41
11:00			56	50	106	23:00			14	5	19
11:15			39	62	101	23:15			1	1	2
11:30			48	66	114	23:30			7	5	12
11:45			55	195	64	23:45		3	25	2	13
TOTALS			1115	2645	3760	TOTALS			2506	1985	4491
SPLIT %			29.7%	70.3%	45.6%	SPLIT %			55.8%	44.2%	54.4%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	3,621	4,630	8,251

AM Peak Hour	11:30	7:15	7:15	PM Peak Hour	17:00	12:30	17:00
AM Pk Volume	252	598	782	PM Pk Volume	450	338	676
Pk Hr Factor	0.808	0.879	0.922	Pk Hr Factor	0.788	0.845	0.820
7 - 9 Volume	319	1104	1423	4 - 6 Volume	827	440	1267
7 - 9 Peak Hour	7:15	7:15	7:15	4 - 6 Peak Hour	17:00	16:00	17:00
7 - 9 Pk Volume	184	598	782	4 - 6 Pk Volume	460	224	676
Pk Hr Factor	0.676	0.879	0.922	Pk Hr Factor	0.788	0.789	0.820

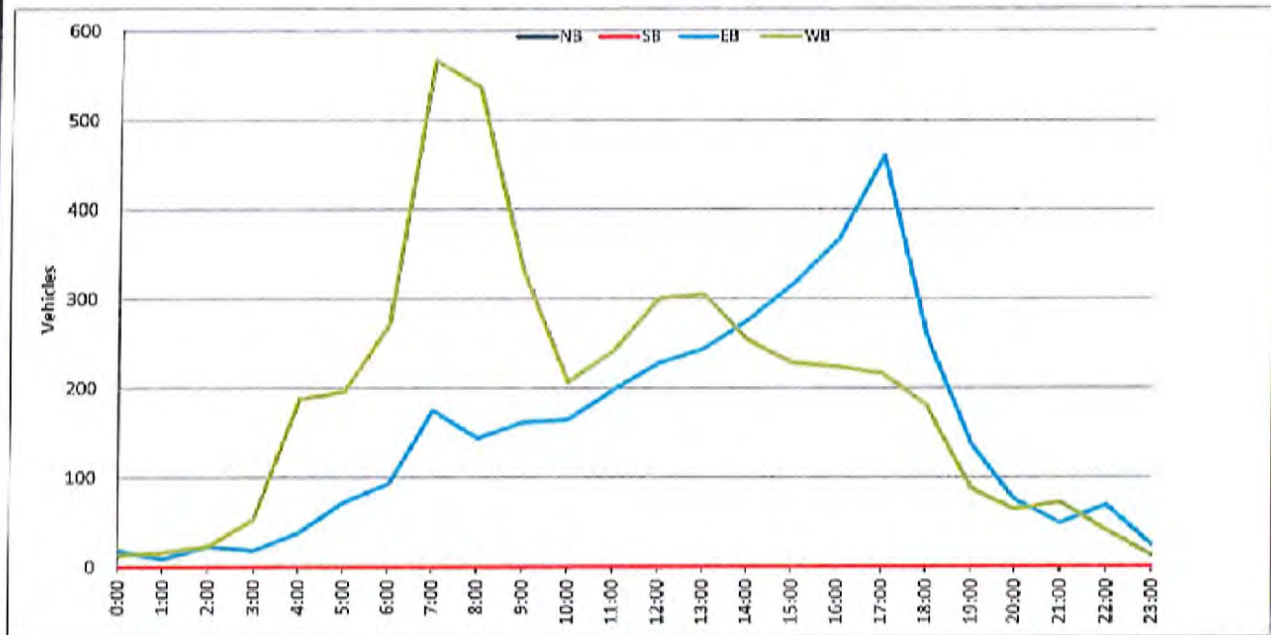
Prepared by NDS/ATD

Project #: CA15_5829_074

City: Industry

Location: Don Julian Rd Bet. Turnbull Cyn Rd &

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

69

STREET NELSON AVENUE
FROM PUENTE

CERTIFICATION DATE:
TO ORANGE

SPEED FACTORS

Date of Speed Survey	03/16/2018	Posted Speed Limit	35 MPH
Time of Speed Survey	11:44 AM to 12:05 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	35.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	40.0		
10 mph Pace Speed	32 to 41		
Percentage of Vehicles in Pace	77.7%	Recommended Speed Limit	35 MPH
Number of Survey Samples	103		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	1
Collision Rate (ACC/MVM)	0.13
Expected Collisions (ACC/MVM)	0.94

TRAFFIC FACTORS

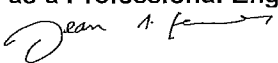
Average Daily Traffic	10,235	Date Counted	1/14/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Signalized at Orange, Puente		
Crosswalks?	At signalized intersections, Willow		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Frequent		

ROADWAY FACTORS

Length of Segment	3,538
Width	38'
Vertical Curve	None
Horizontal Curve	None
Visibility	Good
Roadway Conditions	No bike lane
Lighting	Yes
Adjacent Land Use	Residential, Commercial/Industrial, Church, School

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	5/23/18 Date	TE 2097 State Registration Number
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Engineering and Traffic Survey
City of Industry

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Nelson Ave
Spt.Sp. Location: Bet. Puente Ave & Orange Ave

Speed	Frequency	Percent	Cumulative Percent
12	0	0.00%	0.00%
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	1	0.97%	0.97%
25	1	0.97%	1.94%
26	1	0.97%	2.91%
27	1	0.97%	3.88%
28	1	0.97%	4.85%
29	6	5.83%	10.68%
30	3	2.91%	13.59%
31	1	0.97%	14.56%
32	5	4.85%	19.42%
33	8	7.77%	27.18%
34	12	11.65%	38.83%
35	13	12.62%	51.46%
36	12	11.65%	63.11%
37	9	8.74%	71.84%
38	5	4.85%	76.70%
39	8	7.77%	84.47%
40	4	3.88%	88.35%
41	4	3.88%	92.23%
42	4	3.88%	96.12%
43	2	1.94%	98.06%
44	1	0.97%	99.03%
45	1	0.97%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%

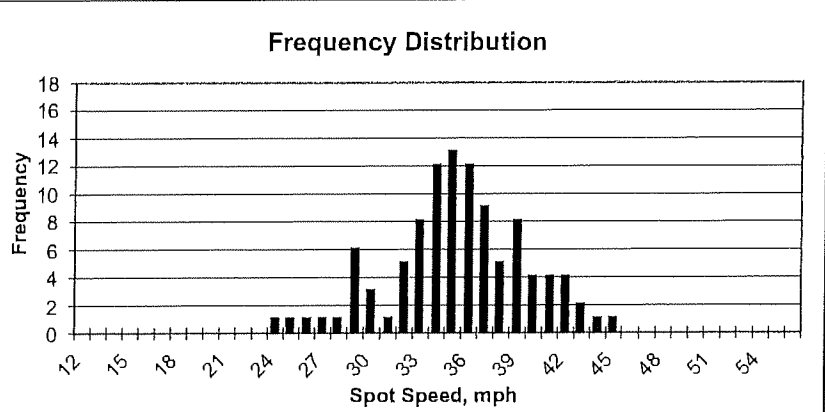
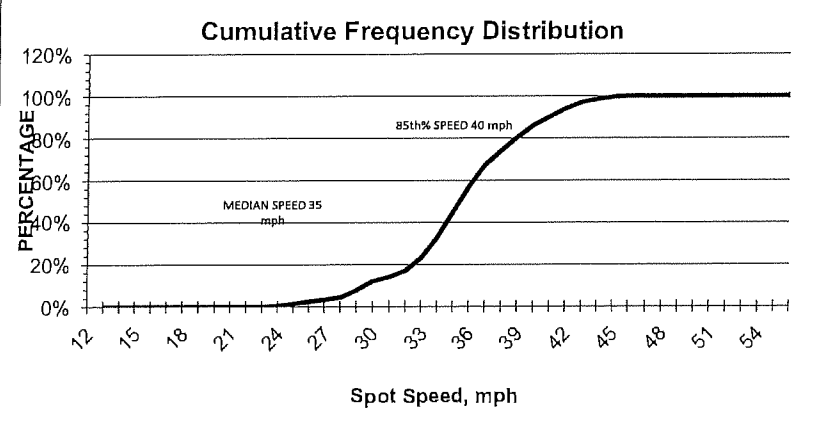
No. of Vehicles: 103 100%

Date: 3/16/2018 **Day:** Friday
Time From: 11:44 AM **To:** 12:05 PM
Weather: Clear/Dry
Number of Lanes: 2
Posted Speed: 25 mph
Street Width: 38'
Comm./Resid.: Commercial
Direction: Eastbound/Westbound

DATA ANALYSIS:

Average Speed:	35
Standard Deviation:	4
Standard error of the mean:	0.39
15th Percentile:	32
50th Percentile:	35
85th Percentile:	40
10 Mile Pace:	32 to 41
% of Samples in 10-Mile Pace:	77.67%
# in 10 MPH pace:	80

Comments: _____



Prepared by NDS/ATD

VOLUME

Nelson Ave Bet. Puente Ave & Orange Ave

Day: Thursday
Date: 14-01-2016

City: Industry
Project #: CA15_5829_079

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	5,127	5,108	10,235			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00			6	9	15	12:00			94	68	162	
0:15			9	7	16	12:15			88	79	167	
0:30			4	10	14	12:30			81	88	169	
0:45			4	23	5	31	12:45		89	352	85	320
1:00			4	15	19	13:00			104	97	201	
1:15			7	2	9	13:15			92	84	176	
1:30			11	7	18	13:30			87	81	168	
1:45			7	29	6	30	13:45		63	346	72	334
2:00			10	8	18	14:00			81	77	158	
2:15			9	7	16	14:15			82	99	181	
2:30			15	9	24	14:30			106	96	202	
2:45			10	44	4	28	14:45		93	362	82	354
3:00			10	5	15	15:00			73	83	156	
3:15			15	12	27	15:15			89	67	156	
3:30			13	8	21	15:30			92	76	168	
3:45			33	71	16	41	15:45		69	323	82	308
4:00			20	16	36	16:00			83	84	167	
4:15			37	21	58	16:15			86	82	168	
4:30			26	26	52	16:30			173	105	278	
4:45			40	123	25	88	16:45		95	437	106	327
5:00			34	25	59	17:00			115	77	192	
5:15			34	35	70	17:15			82	108	190	
5:30			45	36	81	17:30			89	86	175	
5:45			55	168	52	149	17:45		73	359	101	372
6:00			38	34	72	18:00			78	84	162	
6:15			45	68	113	18:15			57	74	131	
6:30			56	49	105	18:30			57	56	113	
6:45			58	197	70	221	18:45		41	233	48	262
7:00			57	102	159	19:00			49	62	111	
7:15			82	121	203	19:15			40	31	71	
7:30			98	137	235	19:30			31	40	71	
7:45			138	375	136	496	19:45		39	159	32	165
8:00			98	113	211	20:00			23	26	49	
8:15			85	91	176	20:15			27	24	51	
8:30			81	60	141	20:30			44	32	76	
8:45			75	335	82	346	20:45		48	142	24	106
9:00			63	82	145	21:00			42	32	74	
9:15			70	66	136	21:15			30	29	59	
9:30			56	48	104	21:30			21	24	45	
9:45			65	254	76	272	21:45		17	110	18	103
10:00			73	73	146	22:00			25	26	51	
10:15			62	84	146	22:15			26	22	48	
10:30			62	65	127	22:30			22	41	63	
10:45			75	272	68	290	22:45		16	89	23	112
11:00			78	61	139	23:00			7	13	20	
11:15			76	64	140	23:15			6	11	17	
11:30			74	55	130	23:30			9	9	18	
11:45			64	292	81	262	23:45		6	28	8	41
TOTALS			2187	2254	4441	TOTALS			2940	2854	5794	
SPLIT %			49.2%	50.8%	43.4%	SPLIT %			50.7%	49.3%	56.6%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	5,127	5,108	10,235

AM Peak Hour	7:30	7:15	7:15	PM Peak Hour	16:15	16:30	16:30
AM Pk Volume	419	507	923	PM Pk Volume	469	396	861
Pk Hr Factor	0.759	0.925	0.842	Pk Hr Factor	0.678	0.917	0.774
7 - 9 Volume	714	842	1556	4 - 6 Volume	766	749	1515
7 - 9 Peak Hour	7:30	7:15	7:15	4 - 6 Peak Hour	16:15	16:30	16:30
7 - 9 Pk Volume	419	507	923	4 - 6 Pk Volume	469	396	861
Pk Hr Factor	0.759	0.925	0.842	Pk Hr Factor	0.678	0.917	0.774

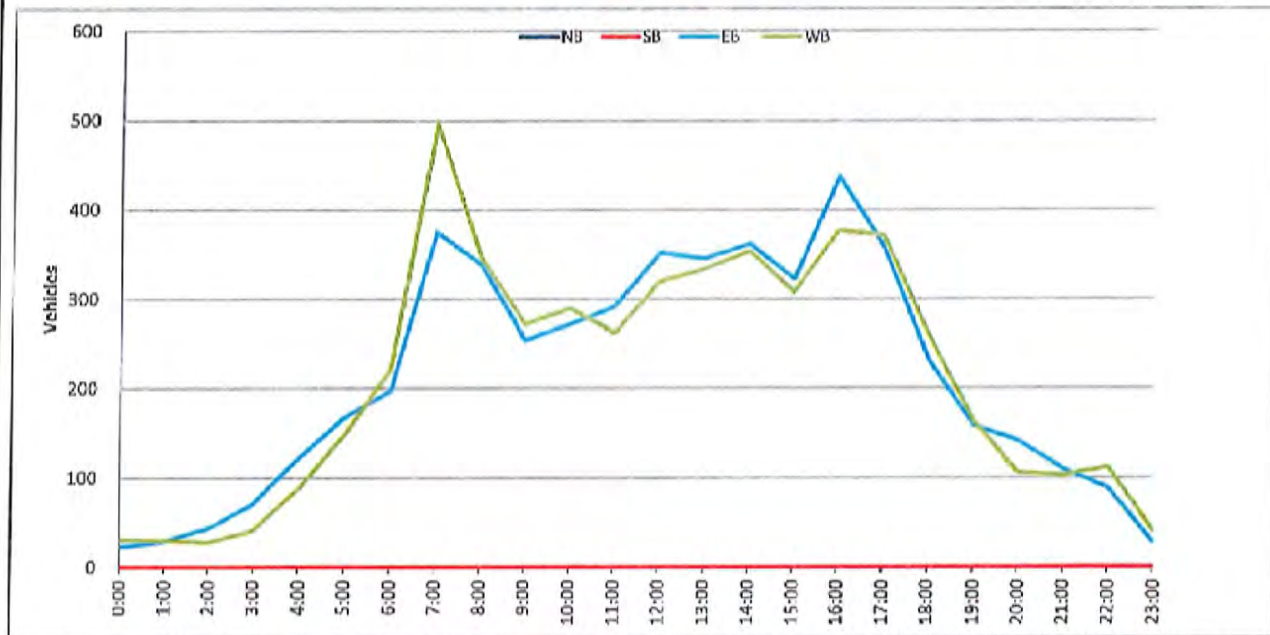
Prepared by NDS/ATD

Project #: CA15_5829_079

City: Industry

Location: Nelson Ave Bet. Puente Ave & Orange Ave

Date: 1/14/2016



CITY OF INDUSTRY ENGINEERING AND TRAFFIC SURVEY

70

STREET NELSON AVENUE
FROM SUNSET

CERTIFICATION DATE:
TO CALIFORNIA

SPEED FACTORS

Date of Speed Survey	08/24/2016	Posted Speed Limit	35 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	34.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	39.0		
10 mph Pace Speed	29 to 38		
Percentage of Vehicles in Pace	74.8%	Recommended Speed Limit	35 MPH
Number of Survey Samples	103		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	0.94

TRAFFIC FACTORS

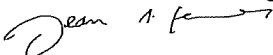
Average Daily Traffic	5,964	Date Counted	1/14/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Signalized at California		
Crosswalks?	At signalized intersection		
Pedestrian Traffic	Minimal		
Truck Traffic	No		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Frequent		

ROADWAY FACTORS

Length of Segment	1,901'
Width	40'
Vertical Curve	No
Horizontal Curve	No
Visibility	Clear
Roadway Conditions	Fair
Lighting	Yes, on north side
Adjacent Land Use	School, Residential, Commercial/Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares

5/23/18

Date

TE 2097

State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Nelson Ave
 Spt.Spd. Location: Sunset Ave & California Ave

Ref. # 01

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	3	2.91%	2.91%
27	1	0.97%	3.88%
28	4	3.88%	7.77%
29	7	6.80%	14.56%
30	9	8.74%	23.30%
31	4	3.88%	27.18%
32	10	9.71%	36.89%
33	8	7.77%	44.66%
34	12	11.65%	56.31%
35	9	8.74%	65.05%
36	5	4.85%	69.90%
37	5	4.85%	74.76%
38	8	7.77%	82.52%
39	4	3.88%	86.41%
40	2	1.94%	88.35%
41	5	4.85%	93.20%
42	4	3.88%	97.09%
43	3	2.91%	100.00%
44	0	0.00%	100.00%
45	0	0.00%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

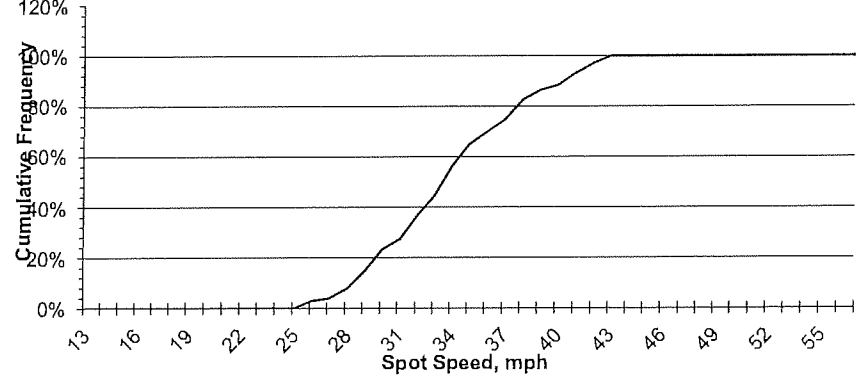
Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 2
 Posted Speed: 35 mph
 Channelization: Dashed yellow centerline
 Street Width: 40'
 Comm./Resid.: Industrial south side/Residential north side
 DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

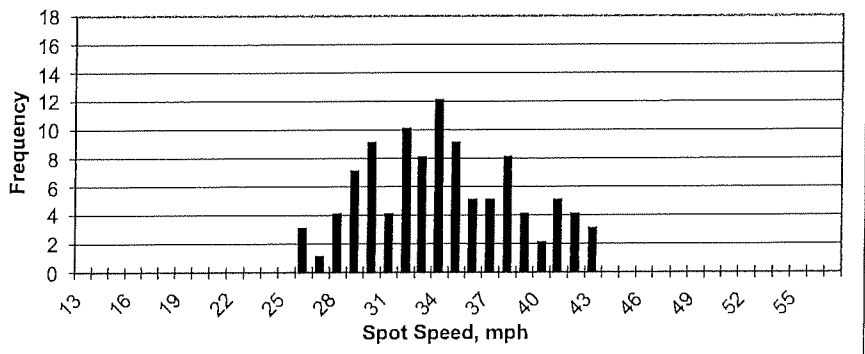
Mean Speed:	34
Standard Deviation:	4
Standard error of the mean:	0.39
15th Percentile:	30
50th Percentile:	34
85th Percentile:	39
10 Mile Pace:	29 to 38
% of Samples in 10-Mile Pace:	74.76%
# in 10 MPH pace:	77

Comments: _____

Cumulative Frequency Distribution



Frequency Distribution



Total: 103 100%

Prepared by NDS/A/C/D

VOLUME

Nelson Ave Bet. Sunset Ave & California Ave

Day: Thursday
Date: 14-01-2016

City: Industry
Project #: CA15_5829_051

DAILY TOTALS											Total			
		NB	SB			EB	WB			Total				
		0	0			2,941	3,023			5,964				
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
0:00			3	5	8	12:00			55	37	92			
0:15			3	5	8	12:15			48	44	92			
0:30			8	6	14	12:30			33	41	74			
0:45			4	18	4	20	12:45		46	182	33	155	79	337
1:00			3	17	20	13:00			64	49	113			
1:15			1	4	5	13:15			30	52	82			
1:30			9	4	13	13:30			45	36	81			
1:45			1	14	2	27	13:45		46	185	52	189	98	374
2:00			1	2	3	14:00			46	39	85			
2:15			3	2	5	14:15			39	33	72			
2:30			6	3	9	14:30			66	37	103			
2:45			4	14	4	11	14:45		46	197	46	155	92	352
3:00			1	3	4	15:00			74	63	137			
3:15			0	3	3	15:15			53	73	126			
3:30			2	2	4	15:30			75	60	135			
3:45			4	7	10	18	15:45		53	255	57	253	110	508
4:00			2	0	2	16:00			50	54	104			
4:15			12	7	19	16:15			53	43	96			
4:30			12	11	23	16:30			71	55	126			
4:45			10	36	6	24	16:45		70	244	53	205	123	449
5:00			14	15	29	17:00			72	59	131			
5:15			12	22	34	17:15			47	66	113			
5:30			18	21	39	17:30			69	65	134			
5:45			20	64	25	83	17:45		55	243	66	256	121	499
6:00			10	25	36	18:00			56	40	96			
6:15			26	28	54	18:15			44	37	81			
6:30			32	38	70	18:30			52	33	85			
6:45			36	104	51	143	18:45		47	199	29	139	76	338
7:00			27	54	81	19:00			39	38	77			
7:15			44	72	116	19:15			28	16	44			
7:30			82	95	177	19:30			23	24	47			
7:45			69	222	87	308	19:45		23	113	29	107	52	220
8:00			55	85	140	20:00			22	16	38			
8:15			35	62	97	20:15			23	16	39			
8:30			35	45	80	20:30			21	20	41			
8:45			37	162	41	233	20:45		27	93	23	75	50	168
9:00			37	40	77	21:00			22	34	56			
9:15			26	43	69	21:15			27	29	56			
9:30			45	48	93	21:30			22	21	43			
9:45			35	143	42	173	21:45		12	83	8	92	20	175
10:00			34	39	73	22:00			14	13	27			
10:15			29	32	61	22:15			14	6	20			
10:30			40	24	64	22:30			14	10	24			
10:45			30	133	40	173	22:45		10	52	7	36	17	88
11:00			52	32	84	23:00			4	4	8			
11:15			38	51	89	23:15			5	4	9			
11:30			30	46	76	23:30			3	6	9			
11:45			39	159	39	168	23:45		7	19	4	18	11	37
TOTALS			1,076	1,343	2,419	TOTALS			1,855	1,680	3,535			
SPLIT %			44.5%	55.5%	40.6%	SPLIT %			52.6%	47.4%	59.4%			

DAILY TOTALS											Total	
		NB	SB			EB	WB			Total		
		0	0			2,941	3,023			5,964		

AM Peak Hour	7:15	7:15	7:15	PM Peak Hour	16:15	17:00	15:00
AM Pk Volume	250	339	589	PM Pk Volume	286	256	508
Pk Hr Factor	0.762	0.892	0.832	Pk Hr Factor	0.524	0.970	0.927
7 - 9 Volume	384	541	925	4 - 6 Volume	487	461	948
7 - 9 Peak Hour	7:15	7:15	7:15	4 - 6 Peak Hour	16:15	17:00	16:45
7 - 9 Pk Volume	250	339	589	4 - 6 Pk Volume	266	256	501
Pk Hr Factor	0.762	0.892	0.832	Pk Hr Factor	0.524	0.970	0.935

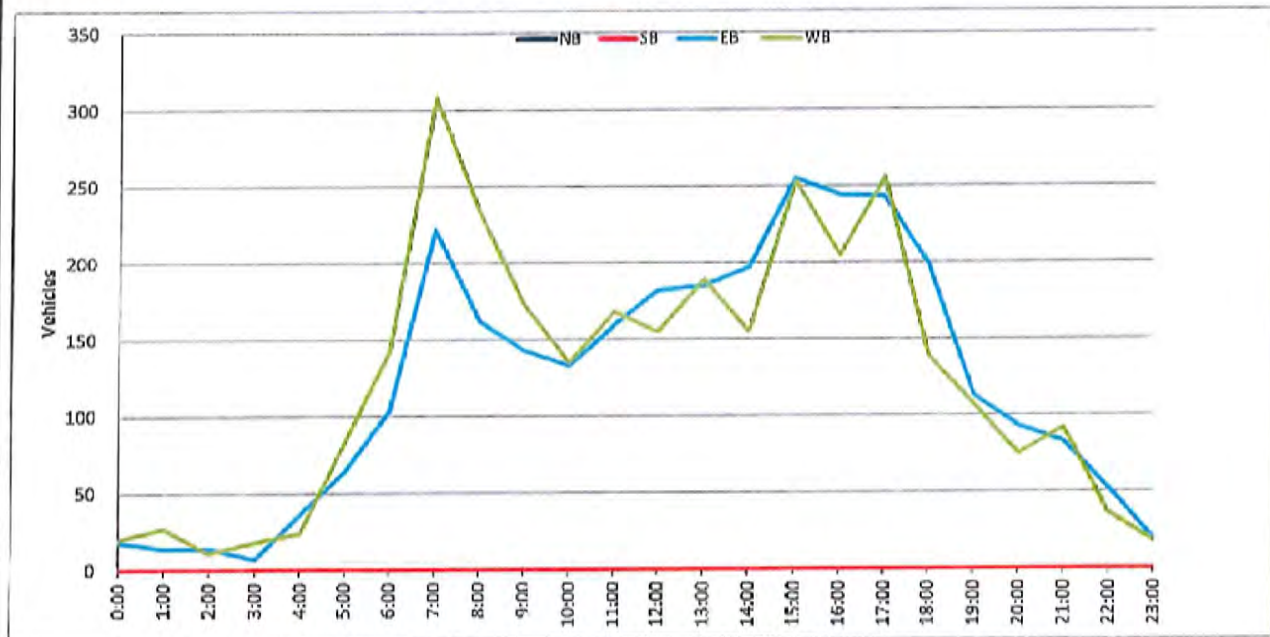
Prepared by NDS/ATD

Project #: CA15_5829_081

City: Industry

Location: Nelson Ave Bet. Sunset Ave & California Ave

Date: 1/14/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

71

STREET NELSON AVENUE
FROM HACIENDA BOULEVARD

CERTIFICATION DATE:
TO GLENDORA

SPEED FACTORS

Date of Speed Survey	08/24/2016	Posted Speed Limit	30 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	Speed limit increased from existing. 85th Percentile speed rounded down per CVC Section 21400(b).
50th Percentile Speed (Mean Speed)	32.0		
85th Percentile Speed	39.0		
10 mph Pace Speed	27 to 36		
Percentage of Vehicles in Pace	66.7%	Recommended Speed Limit	35 MPH
Number of Survey Samples	102		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	3
Collision Rate (ACC/MVM)	2.67
Expected Collisions (ACC/MVM)	0.94

TRAFFIC FACTORS

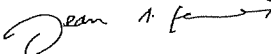
Average Daily Traffic	2,776	Date Counted	1/27/2016
Number of Lanes	1 lane each direction		
Type of Traffic Control	Signalized at Hacienda and Glendora		
Crosswalks?	At signalized intersection		
Pedestrian Traffic	Minimal (Heavy during school hours)		
Truck Traffic	No		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Frequent		

ROADWAY FACTORS

Length of Segment	1,954
Width	44'
Vertical Curve	No
Horizontal Curve	No
Visibility	Fair
Roadway Conditions	No public bus, bike route
Lighting	Yes
Adjacent Land Use	School, residential

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	5/23/18
	State Registration Number	TE 2097

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
Street: Nelson Ave
Spt.Spd. Location: Hacienda Blvd & Glendora Ave

Ref. # 01

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	1	0.98%	0.98%
21	0	0.00%	0.98%
22	1	0.98%	1.96%
23	2	1.96%	3.92%
24	1	0.98%	4.90%
25	3	2.94%	7.84%
26	2	1.96%	9.80%
27	3	2.94%	12.75%
28	4	3.92%	16.67%
29	7	6.86%	23.53%
30	7	6.86%	30.39%
31	10	9.80%	40.20%
32	10	9.80%	50.00%
33	8	7.84%	57.84%
34	7	6.86%	64.71%
35	6	5.88%	70.59%
36	6	5.88%	76.47%
37	2	1.96%	78.43%
38	5	4.90%	83.33%
39	7	6.86%	90.20%
40	4	3.92%	94.12%
41	3	2.94%	97.06%
42	1	0.98%	98.04%
43	1	0.98%	99.02%
44	0	0.00%	99.02%
45	1	0.98%	100.00%
46	0	0.00%	100.00%
47	0	0.00%	100.00%
48	0	0.00%	100.00%
49	0	0.00%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

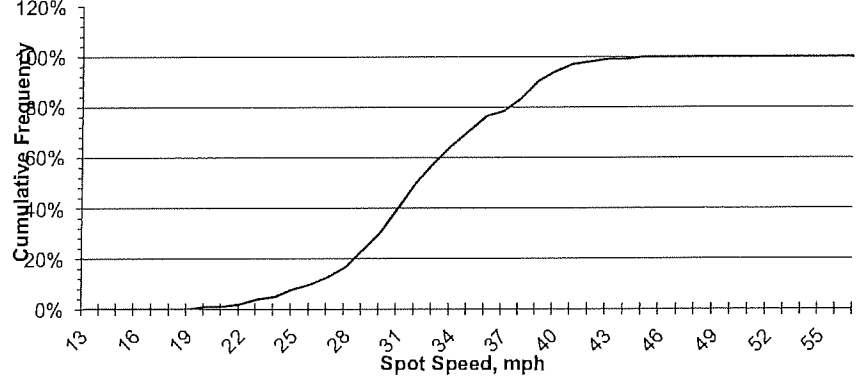
Date: 8/24/2016 **Day:** Wednesday
Weather: Sunny
Hours: 1:00 PM **To** 4:00 PM
Number of Lanes: 2
Posted Speed: 30 mph
Channelization: Dashed yellow centerline
Street Width: 44'
Comm./Resid.: Comm/Res south side/School north side
DIRECTION: Eastbound/Westbound

DATA ANALYSIS:

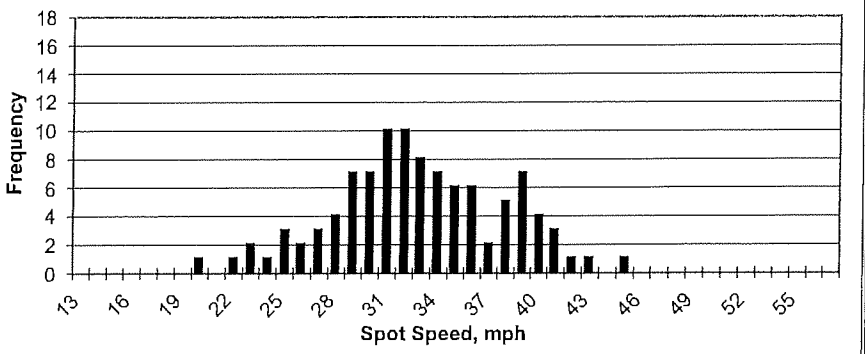
Mean Speed:	33
Standard Deviation:	5
Standard error of the mean:	0.5
15th Percentile:	28
50th Percentile:	32
85th Percentile:	39
10 Mile Pace:	27 to 36
% of Samples in 10-Mile Pace:	66.67%
# in 10 MPH pace:	68

Comments: _____

Cumulative Frequency Distribution



Frequency Distribution



Total: 102 100%

Prepared by MDS/ATD

VOLUME

Nelson Ave Bet. Hacienda Blvd & Glendora Ave

Day: Wednesday
Date: 27-01-2016

City: Industry
Project #: CA15_5B29_034

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	1,644	1,132	2,776					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
0:00			1	0	1	12:00			19	13	32			
0:15			2	9	5	12:15			17	13	30			
0:30			1	0	1	12:30			10	12	22			
0:45			0	4	0	12:45			22	68	17	55	39	123
1:00			0	1	1	13:00			15	9	24			
1:15			0	0	0	13:15			15	6	21			
1:30			0	0	0	13:30			19	15	34			
1:45			0	0	0	13:45			27	76	12	42	39	118
2:00			1	0	1	14:00			41	21	62			
2:15			0	0	0	14:15			25	14	39			
2:30			1	0	1	14:30			29	16	45			
2:45			1	3	0	14:45			44	139	16	67	60	206
3:00			0	1	1	15:00			61	50	111			
3:15			0	0	0	15:15			51	37	88			
3:30			0	1	1	15:30			52	20	72			
3:45			1	1	2	15:45			33	197	24	131	57	328
4:00			0	0	0	16:00			39	16	55			
4:15			2	1	3	16:15			41	25	66			
4:30			2	1	3	16:30			51	23	74			
4:45			1	5	3	16:45			50	181	39	103	89	284
5:00			1	2	3	17:00			37	26	63			
5:15			3	1	4	17:15			45	28	73			
5:30			5	3	8	17:30			58	27	85			
5:45			3	12	2	17:45			37	177	17	98	54	275
6:00			11	4	15	18:00			30	19	49			
6:15			6	3	11	18:15			26	10	36			
6:30			7	9	16	18:30			20	14	34			
6:45			16	40	25	18:45			21	97	15	58	36	155
7:00			23	21	44	19:00			16	26	42			
7:15			25	21	46	19:15			28	9	37			
7:30			63	61	124	19:30			16	9	25			
7:45			81	192	33	19:45			16	76	7	51	23	127
8:00			44	47	91	20:00			17	11	28			
8:15			22	20	42	20:15			10	12	22			
8:30			12	16	28	20:30			10	11	21			
8:45			21	99	19	20:45			14	51	6	40	20	91
9:00			18	10	28	21:00			8	11	19			
9:15			15	12	27	21:15			8	11	19			
9:30			10	7	17	21:30			4	7	11			
9:45			13	56	16	21:45			4	14	3	32	7	56
10:00			15	9	24	22:00			9	4	13			
10:15			10	9	19	22:15			1	2	3			
10:30			11	10	21	22:30			5	2	7			
10:45			17	53	12	22:45			3	18	3	11	6	29
11:00			13	11	24	23:00			8	2	10			
11:15			9	11	20	23:15			5	5	10			
11:30			14	14	28	23:30			0	4	4			
11:45			23	59	8	23:45			3	16	2	13	5	29
TOTALS				524	431	955	TOTALS			1120	701	1821		
SPLIT %				54.5%	45.1%	34.4%	SPLIT %			61.5%	38.5%	65.6%		

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,644	1,132	2,776

AM Peak Hour	7:15	7:15	7:15	PM Peak Hour	14:45	15:00	14:45
AM Pk Volume	213	162	375	PM Pk Volume	208	131	331
Pk Hr Factor	0.657	0.664	0.756	Pk Hr Factor	0.852	0.655	0.745
7 - 9 Volume	291	239	530	4 - 6 Volume	358	201	559
7 - 9 Peak Hour	7:15	7:15	7:15	4 - 6 Peak Hour	16:45	16:45	16:45
7 - 9 Pk Volume	213	162	375	4 - 6 Pk Volume	190	120	310
Pk Hr Factor	0.657	0.664	0.756	Pk Hr Factor	0.619	0.269	0.871

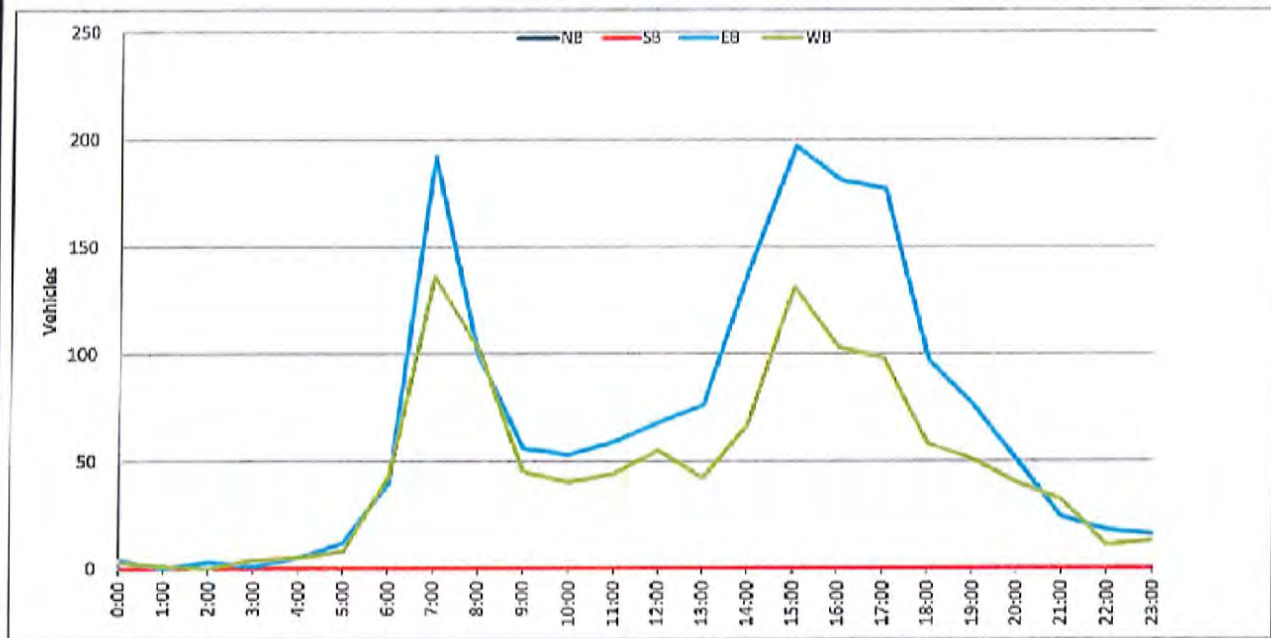
Prepared by NDS/ATD

Project #: CA15_5829_084

City: Industry

Location: Nelson Ave Bet. Hacienda Blvd & Glendora

Date: 1/27/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

72

STREET NOGALES STREET
FROM GALE AVENUE

CERTIFICATION DATE:
TO SAN JOSE AVENUE

SPEED FACTORS

Date of Speed Survey	08/24/2016	Posted Speed Limit	40 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	
50th Percentile Speed (Mean Speed)	39.0	85th Percentile speed rounded down per CVC Section 21400(b).	
85th Percentile Speed	44.0		
10 mph Pace Speed	33 to 42		
Percentage of Vehicles in Pace	72.3%	Recommended Speed Limit	40 MPH
Number of Survey Samples	206		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	0
Collision Rate (ACC/MVM)	0.00
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

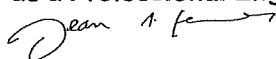
Average Daily Traffic	31,713	Date Counted	8/23/2016
Number of Lanes	6		
Type of Traffic Control	Signalized at Gale, Signalized at San Jose		
Crosswalks?	Yes at signals		
Pedestrian Traffic	Yes		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	One inbound near Gale		

ROADWAY FACTORS

Length of Segment	1,162
Width	90'
Vertical Curve	Yes, under railroad
Horizontal Curve	No
Visibility	Clear
Roadway Conditions	Good
Lighting	Good
Adjacent Land Use	Industrial, Commercial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	5/23/18
		TE 2097
		State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Nogales St
 Spt.Spd. Location: Gale Ave & San Jose Ave

Ref. # 01

Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	1	0.49%	0.49%
29	2	0.97%	1.46%
30	4	1.94%	3.40%
31	3	1.46%	4.85%
32	3	1.46%	6.31%
33	11	5.34%	11.65%
34	11	5.34%	16.99%
35	14	6.80%	23.79%
36	15	7.28%	31.07%
37	16	7.77%	38.83%
38	18	8.74%	47.57%
39	16	7.77%	55.34%
40	18	8.74%	64.08%
41	14	6.80%	70.87%
42	16	7.77%	78.64%
43	9	4.37%	83.01%
44	8	3.88%	86.89%
45	9	4.37%	91.26%
46	7	3.40%	94.66%
47	3	1.46%	96.12%
48	5	2.43%	98.54%
49	0	0.00%	98.54%
50	2	0.97%	99.51%
51	0	0.00%	99.51%
52	1	0.49%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

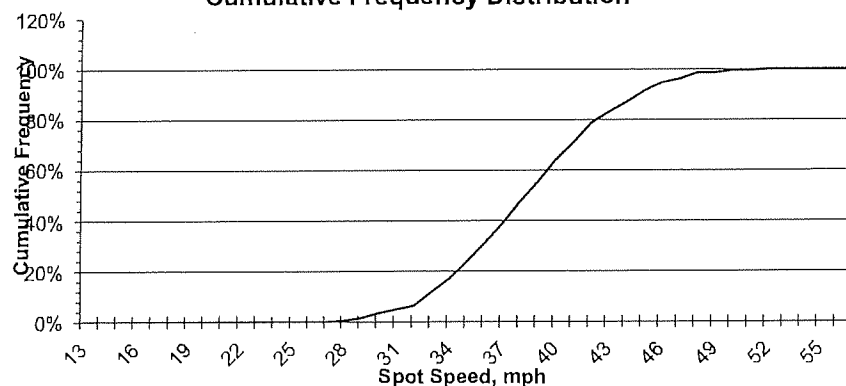
Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 6
 Posted Speed: 40 mph
 Channelization: Raised Median
 Street Width: 90'
 Comm./Resid.: Commercial/Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

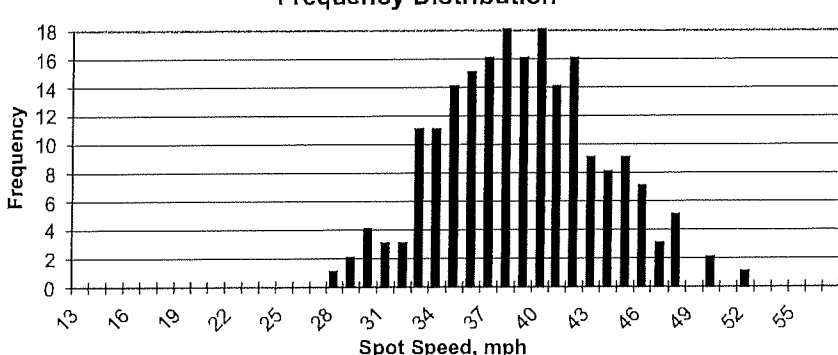
Mean Speed:	39
Standard Deviation:	5
Standard error of the mean:	0.35
15th Percentile:	34
50th Percentile:	39
85th Percentile:	44
10 Mile Pace:	33 to 42
% of Samples in 10-Mile Pace:	72.33%
# in 10 MPH pace:	149

Comments: _____

Cumulative Frequency Distribution



Frequency Distribution



Total: 206 100%

Prepared by NDS/ATD

VOLUME

Nogales St Bet. Gale Ave & San Jose Ave

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_007

DAILY TOTALS					NB	SB	EB	WB	Total
					16,113	15,600	0	0	31,713

AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	64	30			94	12:00	262	246			508
00:15	43	21			64	12:15	192	224			416
00:30	51	24			75	12:30	221	238			459
00:45	30	190	19	94	49	12:45	227	902	223	931	450
01:00	35	14			50	13:00	248	226			476
01:15	26	11			37	13:15	208	256			464
01:30	27	10			37	13:30	249	231			480
01:45	25	114	15	50	40	13:45	266	971	255	970	521
02:00	21	15			36	14:00	255	238			493
02:15	21	11			32	14:15	227	247			474
02:30	22	16			38	14:30	301	252			553
02:45	22	86	20	62	42	14:45	286	1069	240	977	526
03:00	21	13			34	15:00	244	281			525
03:15	24	21			45	15:15	267	263			532
03:30	21	23			44	15:30	276	275			555
03:45	25	91	18	75	43	15:45	254	1041	215	1040	469
04:00	20	34			54	16:00	268	240			508
04:15	31	52			83	16:15	245	209			454
04:30	42	72			114	16:30	275	232			507
04:45	56	149	66	224	122	16:45	268	1056	249	930	517
05:00	34	106			140	17:00	258	309			567
05:15	46	131			177	17:15	303	255			558
05:30	57	123			180	17:30	318	310			628
05:45	76	213	18	506	222	17:45	314	1193	312	1186	626
06:00	56	165			221	18:00	286	338			624
06:15	107	191			298	18:15	325	270			595
06:30	135	200			335	18:30	276	249			525
06:45	197	495	298	854	495	18:45	289	1176	208	1055	497
07:00	218	168			386	19:00	247	204			451
07:15	240	214			454	19:15	193	194			387
07:30	222	236			458	19:30	222	169			391
07:45	283	963	295	913	578	19:45	210	872	157	724	367
08:00	244	268			512	20:00	174	134			308
08:15	298	266			564	20:15	188	141			329
08:30	255	237			492	20:30	198	106			304
08:45	318	1115	265	1036	583	20:45	199	759	105	486	304
09:00	226	235			461	21:00	166	89			255
09:15	251	176			427	21:15	164	90			254
09:30	187	219			406	21:30	168	104			272
09:45	193	857	243	873	436	21:45	150	648	50	333	200
10:00	167	227			394	22:00	128	74			202
10:15	192	229			421	22:15	120	64			184
10:30	139	226			365	22:30	108	68			176
10:45	157	635	239	921	896	22:45	92	448	43	249	135
11:00	194	211			405	23:00	96	50			146
11:15	151	229			380	23:15	59	53			112
11:30	186	245			431	23:30	80	42			122
11:45	209	740	238	923	447	23:45	75	310	33	178	108
TOTALS	5668	6531			12199	TOTALS	10445	9069			19514
SPLIT %	46.5%	53.5%			38.5%	SPLIT %	53.5%	46.5%			61.5%

DAILY TOTALS					NB	SB	EB	WB	Total
					16,113	15,600	0	0	31,713

AM Peak Hour	08:00	07:45			08:00	PM Peak Hour	17:30	17:30		17:30
AM Pk Volume	1115	1066			2151	PM Pk Volume	1243	1230		2473
Pk Hr Factor	0.877	0.903			0.522	Pk Hr Factor	0.956	0.910		0.984
7 - 9 Volume	2078	1943			4027	4 - 8 Volume	2249	2116		4365
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	17:00	17:00		17:00
7 - 9 Pk Volume	1115	1066			2151	4 - 6 Pk Volume	1193	1186		2379
Pk Hr Factor	0.877	0.903			0.522	Pk Hr Factor	0.938	0.950		0.947

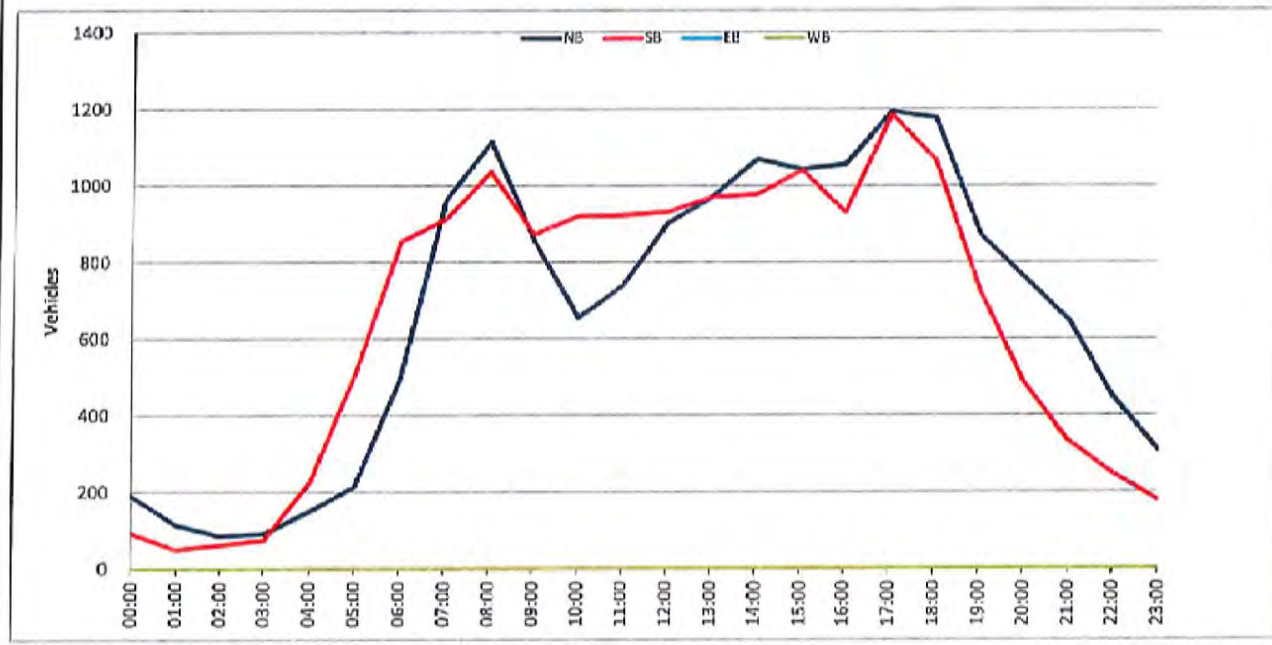
Prepared by NDS/ATD

Project #: CA16_5536_007

City: Industry

Location: Nogales St Bet, Gale Ave & San Jose Ave

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

73

STREET NOGALES STREET
FROM SAN JOSE AVENUE

CERTIFICATION DATE:
TO ARENTH AVENUE

SPEED FACTORS

Date of Speed Survey	08/24/2016	Posted Speed Limit	40 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	85th Percentile speed applied.
50th Percentile Speed (Mean Speed)	38.0		
85th Percentile Speed	42.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	76.5%	Recommended Speed Limit	40 MPH
Number of Survey Samples	204		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	0.46
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

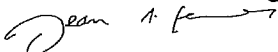
Average Daily Traffic	30,402	Date Counted	8/23/2016
Number of Lanes	3 lanes each direction		
Type of Traffic Control	Signalized at San Jose, Arenth		
Crosswalks?	At signalized Intersection		
Pedestrian Traffic	Few		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Yes, frequently		

ROADWAY FACTORS

Length of Segment	687'
Width	84'
Vertical Curve	Yes, slight curvature
Horizontal Curve	No
Visibility	Fair
Roadway Conditions	Bus stop at San Jose
Lighting	Yes, slight curvature
Adjacent Land Use	Commercial/Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



5/23/18

TE 2097

Jean Fares

Date

State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Nogales St
 Spt.Spd. Location: San Jose Ave & Arenth Ave

Ref. # 01

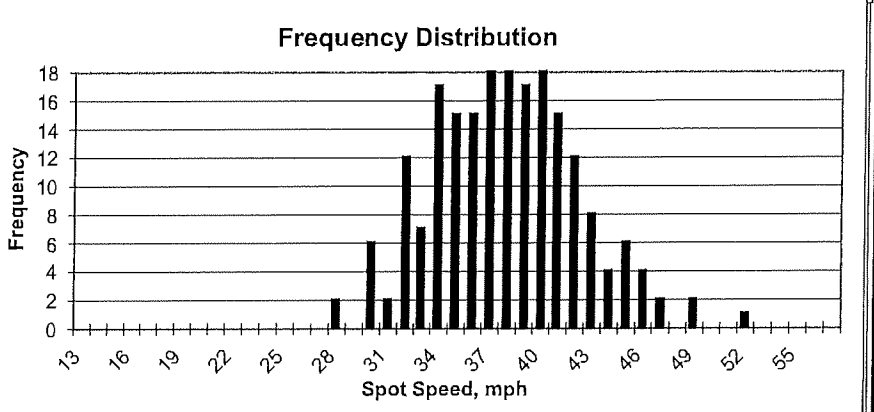
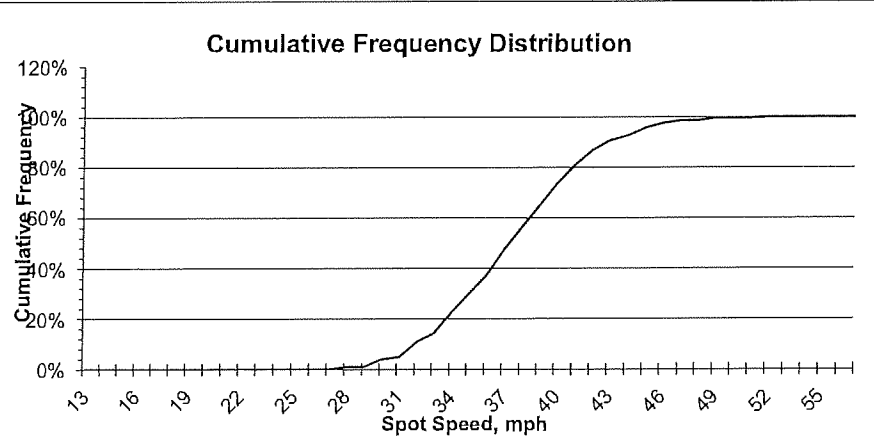
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	0	0.00%	0.00%
26	0	0.00%	0.00%
27	0	0.00%	0.00%
28	2	0.98%	0.98%
29	0	0.00%	0.98%
30	6	2.94%	3.92%
31	2	0.98%	4.90%
32	12	5.88%	10.78%
33	7	3.43%	14.22%
34	17	8.33%	22.55%
35	15	7.35%	29.90%
36	15	7.35%	37.25%
37	21	10.29%	47.55%
38	18	8.82%	56.37%
39	17	8.33%	64.71%
40	18	8.82%	73.53%
41	15	7.35%	80.88%
42	12	5.88%	86.76%
43	8	3.92%	90.69%
44	4	1.96%	92.65%
45	6	2.94%	95.59%
46	4	1.96%	97.55%
47	2	0.98%	98.53%
48	0	0.00%	98.53%
49	2	0.98%	99.51%
50	0	0.00%	99.51%
51	0	0.00%	99.51%
52	1	0.49%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/24/2016 Day: Wednesday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 6
 Posted Speed: 40 mph
 Channelization: Raised Median
 Street Width: 84'
 Comm./Resid.: Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

Mean Speed:	38
Standard Deviation:	4
Standard error of the mean:	0.28
15th Percentile:	34
50th Percentile:	38
85th Percentile:	42
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	76.47%
# in 10 MPH pace:	156

Comments: _____



Total: 204 100%

Prepared by NDS/ATD

VOLUME

Nogales St Bet. San Jose Ave & Arenth Ave

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_008

DAILY TOTALS					NB	SB	EB	WB	Total		
					15,629	14,773	0	0	30,402		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	20	24			44	13:00	257	227			484
00:15	47	20			67	13:15	188	216			404
00:30	50	22			72	13:30	207	208			415
00:45	30	147	19	85	281	13:45	215	857	196	847	2115
01:00	39	12			51	14:00	242	197			439
01:15	24	8			32	14:15	227	207			434
01:30	26	12			38	14:30	199	198			397
01:45	26	115	12	44	197	14:45	256	924	220	822	2102
02:00	26	11			37	15:00	241	168			409
02:15	17	10			27	15:15	219	193			412
02:30	21	12			33	15:30	245	197			442
02:45	17	81	22	55	175	15:45	272	977	173	731	2123
03:00	17	17			34	16:00	292	243			535
03:15	22	25			47	16:15	255	247			502
03:30	8	20			28	16:30	312	257			569
03:45	13	60	24	86	183	16:45	261	1120	209	936	2117
04:00	23	35			58	17:00	292	224			516
04:15	20	45			65	17:15	249	195			444
04:30	26	86			112	17:30	322	193			515
04:45	26	55	89	255	425	17:45	294	1157	213	825	2189
05:00	30	112			142	18:00	325	247			572
05:15	32	141			173	18:15	308	213			521
05:30	47	133			180	18:30	414	251			665
05:45	49	159	183	569	961	18:45	365	1412	243	954	2574
06:00	43	178			221	19:00	355	262			617
06:15	74	201			275	19:15	338	264			602
06:30	113	220			333	19:30	320	268			588
06:45	163	403	318	917	1794	19:45	321	1334	178	852	2585
07:00	182	182			364	20:00	291	181			472
07:15	210	256			466	20:15	213	185			398
07:30	164	251			415	20:30	225	268			493
07:45	223	778	326	1015	2342	20:45	212	941	243	677	2473
08:00	176	299			475	21:00	183	131			314
08:15	229	330			559	21:15	208	134			342
08:30	197	295			492	21:30	205	102			307
08:45	237	839	322	1246	2644	21:45	197	793	95	462	2922
09:00	185	262			447	22:00	168	89			257
09:15	180	216			396	22:15	163	89			252
09:30	166	220			386	22:30	170	97			267
09:45	165	696	258	956	2115	22:45	154	555	49	324	2082
10:00	152	208			360	23:00	131	70			201
10:15	173	224			397	23:15	118	65			183
10:30	117	224			341	23:30	114	62			176
10:45	168	610	228	854	2660	23:45	90	453	49	247	1390
11:00	173	194			367			47			140
11:15	164	222			386			54			112
11:30	169	197			366			31			110
11:45	197	703	207	820	2727			164			111
TOTALS	4687	6932			11619	TOTALS	10942	7841			18783
SPLIT %	40.3%	59.7%			38.2%	SPLIT %	58.8%	41.7%			61.8%

DAILY TOTALS					NB	SB	EB	WB	Total
					15,629	14,773	0	0	30,402

AM Peak Hour	11:45	07:45	08:00	PM Peak Hour	17:30	17:15	17:30
AM Pk Volume	849	1250	2085	PM Pk Volume	1472	569	2432
Pk Hr Factor	0.826	0.947	0.932	Pk Hr Factor	0.882	0.925	0.914
7 - 9 Volume	1638	2361	3879	4 - 6 Volume	2569	1779	4348
7 - 9 Peak Hour	08:00	07:45	08:00	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	839	1250	2085	4 - 6 Pk Volume	1412	954	2366
Pk Hr Factor	0.885	0.947	0.932	Pk Hr Factor	0.853	0.950	0.889

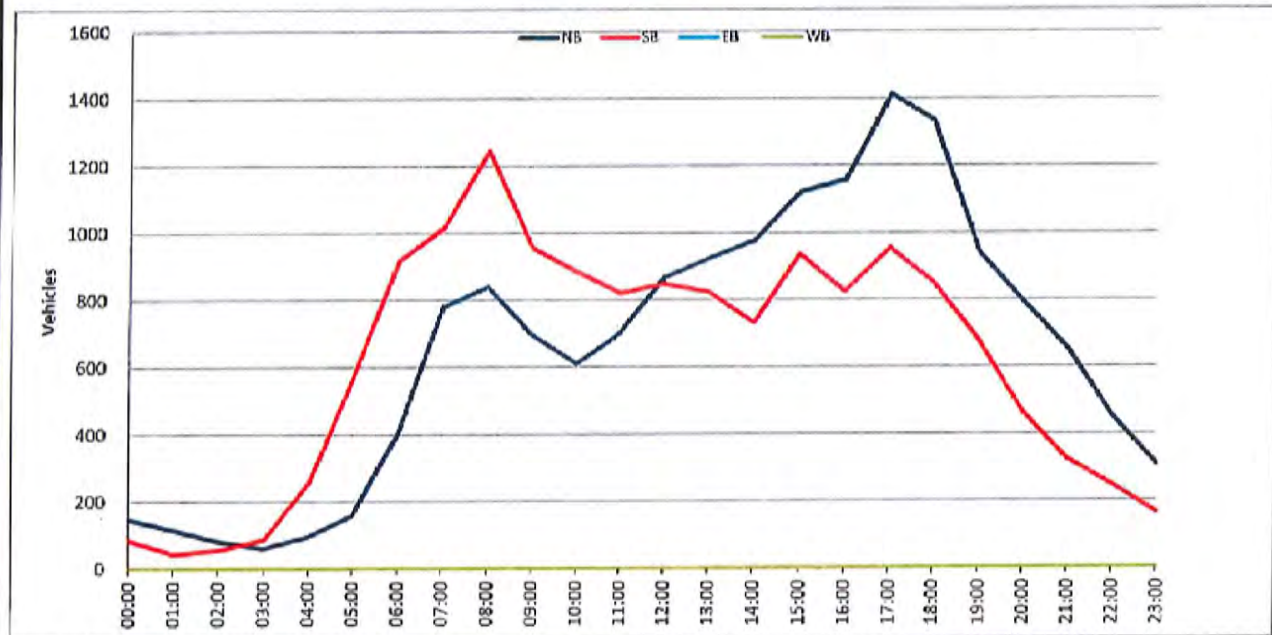
Prepared by NDS/ATD

Project #: CA16_5536_008

City: Industry

Location: Nogales St Bet. San Jose Ave & Arenth Ave

Date: 8/23/2016



CITY OF INDUSTRY

ENGINEERING AND TRAFFIC SURVEY

74

STREET NOGALES STREET
FROM ARENTH AVENUE

CERTIFICATION DATE:
TO VALLEY BOULEVARD

SPEED FACTORS

Date of Speed Survey	08/25/2016	Posted Speed Limit	40 MPH
Time of Speed Survey	1:00 PM to 4:00 PM	Speed Justification	85th Percentile speed applied.
50th Percentile Speed (Mean Speed)	38.0		
85th Percentile Speed	42.0		
10 mph Pace Speed	34 to 43		
Percentage of Vehicles in Pace	78.9%	Recommended Speed Limit	40 MPH
Number of Survey Samples	204		

COLLISION HISTORY

Number of Years Studied	3
Total Collisions	2
Collision Rate (ACC/MVM)	0.51
Expected Collisions (ACC/MVM)	1.18

TRAFFIC FACTORS

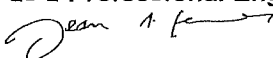
Average Daily Traffic	29,644	Date Counted	8/23/2016
Number of Lanes	3 lanes each direction		
Type of Traffic Control	Signalized at Arenth		
Crosswalks?	At signalized Intersection		
Pedestrian Traffic	Minimal		
Truck Traffic	Yes		
On-Street Parking	No		
Sidewalks?	Yes		
Driveways?	Few		

ROADWAY FACTORS

Length of Segment	634'
Width	86'
Vertical Curve	Yes, grade separation at Valley
Horizontal Curve	No
Visibility	Slight restriction due to road curvature
Roadway Conditions	No bike lane, bus stop
Lighting	Yes, grade separation at Valley
Adjacent Land Use	Commercial/Industrial

Field Study By KHA Checked By KHA

CERTIFICATION: I Jean Fares do hereby certify that this Engineering and Traffic Survey within the City of Industry was performed under my supervision and is accurate and complete. I certify that City staff is experienced in performing surveys of this type. I am duly registered in the State of California as a Professional Engineer (Traffic).



Jean Fares	Date	5/23/18 TE 2097
		State Registration Number

CITY OF INDUSTRY

Client: KIMLEY HORN & ASSOCIATES, INC.
 Street: Nogales St
 Spt.Spd. Location: Arenth Ave & Valley Blvd

Ref. # 01

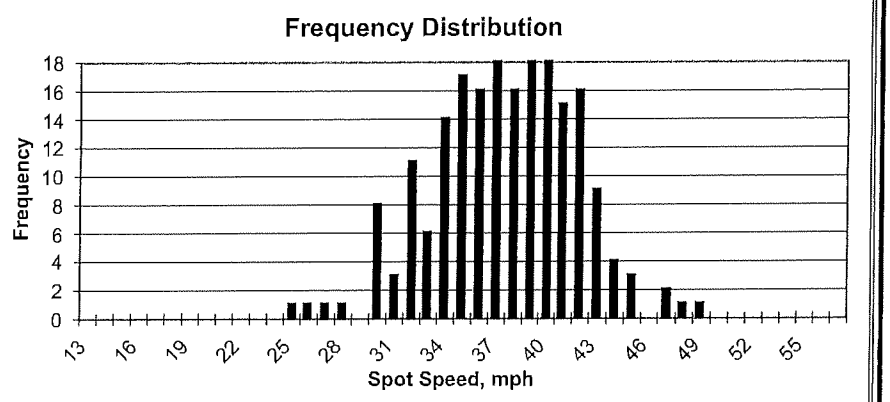
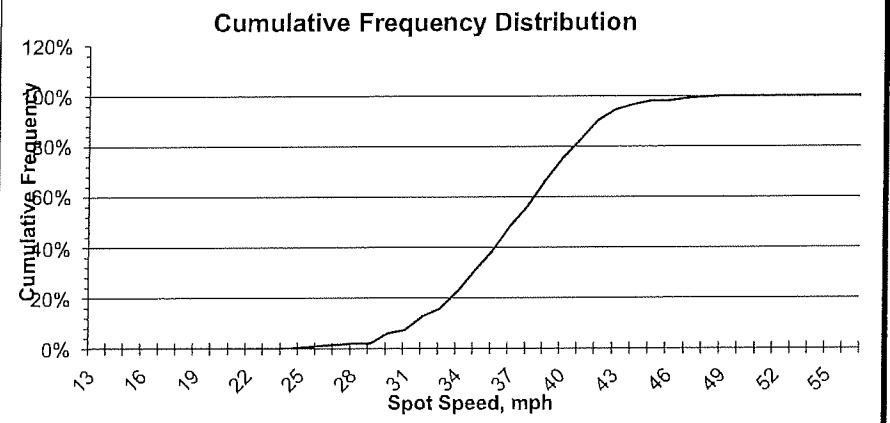
Speed	Frequency	Percent	Cumulative Percent
13	0	0.00%	0.00%
14	0	0.00%	0.00%
15	0	0.00%	0.00%
16	0	0.00%	0.00%
17	0	0.00%	0.00%
18	0	0.00%	0.00%
19	0	0.00%	0.00%
20	0	0.00%	0.00%
21	0	0.00%	0.00%
22	0	0.00%	0.00%
23	0	0.00%	0.00%
24	0	0.00%	0.00%
25	1	0.49%	0.49%
26	1	0.49%	0.98%
27	1	0.49%	1.47%
28	1	0.49%	1.96%
29	0	0.00%	1.96%
30	8	3.92%	5.88%
31	3	1.47%	7.35%
32	11	5.39%	12.75%
33	6	2.94%	15.69%
34	14	6.86%	22.55%
35	17	8.33%	30.88%
36	16	7.84%	38.73%
37	20	9.80%	48.53%
38	16	7.84%	56.37%
39	20	9.80%	66.18%
40	18	8.82%	75.00%
41	15	7.35%	82.35%
42	16	7.84%	90.20%
43	9	4.41%	94.61%
44	4	1.96%	96.57%
45	3	1.47%	98.04%
46	0	0.00%	98.04%
47	2	0.98%	99.02%
48	1	0.49%	99.51%
49	1	0.49%	100.00%
50	0	0.00%	100.00%
51	0	0.00%	100.00%
52	0	0.00%	100.00%
53	0	0.00%	100.00%
54	0	0.00%	100.00%
55	0	0.00%	100.00%
56	0	0.00%	100.00%
57	0	0.00%	100.00%

Date: 8/25/2016 Day: Thursday
 Weather: Sunny
 Hours: 1:00 PM To 4:00 PM
 Number of Lanes: 6
 Posted Speed: 40 mph
 Channelization: Raised Median
 Street Width: 86'
 Comm./Resid.: Industrial
 DIRECTION: Northbound/Southbound

DATA ANALYSIS:

Mean Speed:	38
Standard Deviation:	4
Standard error of the mean:	0.28
15th Percentile:	33
50th Percentile:	38
85th Percentile:	42
10 Mile Pace:	34 to 43
% of Samples in 10-Mile Pace:	78.92%
# in 10 MPH pace:	161

Comments: _____



Total: 204 100%

Prepared by NDS/ATD

VOLUME

Nogales St Bet. Arenth Ave & Valley Blvd

Day: Tuesday
Date: 8/23/2016

City: Industry
Project #: CA16_5536_009

DAILY TOTALS					NB	SB	EB	WB	Total
					15,407	14,237	0	0	29,644

AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	61	22			83	12:00	234	187			421
00:15	53	17			70	12:15	194	183			377
00:30	52	20			72	12:30	192	197			389
00:45	30	196	19	78	45	12:45	199	819	199	766	398
01:00	33	12			45	13:00	229	217			446
01:15	26	7			33	13:15	211	195			406
01:30	23	8			31	13:30	179	197			376
01:45	25	107	12	39	37	13:45	229	848	193	802	422
02:00	23	11			34	14:00	230	209			439
02:15	16	10			26	14:15	206	195			405
02:30	21	13			34	14:30	241	205			446
02:45	17	77	18	52	35	14:45	262	939	214	827	476
03:00	18	15			33	15:00	278	212			490
03:15	18	23			41	15:15	287	244			531
03:30	7	19			26	15:30	329	206			535
03:45	14	57	23	80	37	15:45	268	1162	178	840	446
04:00	21	34			55	16:00	299	197			496
04:15	12	41			53	16:15	257	173			430
04:30	19	88			107	16:30	352	168			520
04:45	21	73	92	255	113	16:45	328	1236	183	721	511
05:00	22	104			125	17:00	383	181			564
05:15	29	139			168	17:15	352	181			533
05:30	34	142			176	17:30	464	193			657
05:45	47	132	194	529	241	17:45	398	1597	199	754	597
06:00	38	174			212	18:00	429	198			627
06:15	72	227			299	18:15	393	163			556
06:30	110	234			344	18:30	333	177			510
06:45	143	363	327	962	470	18:45	295	1450	149	687	444
07:00	161	202			363	19:00	307	158			465
07:15	190	252			442	19:15	241	180			421
07:30	148	282			430	19:30	236	163			399
07:45	182	681	354	1090	596	19:45	219	1003	125	626	344
08:00	159	328			487	20:00	194	131			325
08:15	176	344			520	20:15	201	123			324
08:30	143	318			461	20:30	211	101			312
08:45	158	636	355	1345	513	20:45	203	809	93	448	296
09:00	133	291			424	21:00	177	84			261
09:15	134	246			380	21:15	172	85			257
09:30	153	209			362	21:30	171	95			266
09:45	137	530	246	992	376	21:45	151	671	55	319	205
10:00	139	194			333	22:00	139	65			204
10:15	154	222			376	22:15	126	62			188
10:30	111	203			314	22:30	116	54			170
10:45	147	551	200	619	347	22:45	98	479	50	231	148
11:00	163	181			344	23:00	96	44			140
11:15	132	180			312	23:15	63	52			115
11:30	166	203			369	23:30	81	27			108
11:45	190	651	207	771	397	23:45	80	320	31	154	111
TOTALS	4074	7062			11136	TOTALS	11393	7175			18568
SPLIT %	36.6%	63.4%			37.6%	SPLIT %	61.2%	38.6%			62.4%

DAILY TOTALS					NB	SB	EB	WB	Total
					15,407	14,237	0	0	29,644

AM Peak Hour	11:45	08:00	07:45	PM Peak Hour	17:30	14:45	17:30
AM Pk Volume	810	1345	2004	PM Pk Volume	1684	876	2497
Pk Hr Factor	0.865	0.947	0.935	Pk Hr Factor	0.907	0.858	0.927
7 - 9 Volume	1317	2435	3757	4 - 6 Volume	2833	1475	4308
7 - 9 Peak Hour	07:00	08:00	07:45	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	681	1345	2004	4 - 6 Pk Volume	1597	754	2351
Pk Hr Factor	0.896	0.947	0.935	Pk Hr Factor	0.860	0.947	0.895

Prepared by NDS/ATD

Project #: CA16_5536_009

City: Industry

Location: Nogales St Bet. Arenth Ave & Valley Blvd

Date: 8/23/2016



EXHIBIT D

Engineering and Traffic Survey Report on Vineland Avenue between the City of Baldwin Park Boundary, 1300 feet North of Rath Street and Nelson Avenue, dated April 30, 2018 – prepared by Los Angeles County Department of Public Works

[Attached]

April 30, 2018

**VINELAND AVENUE
BETWEEN THE CITY OF BALDWIN PARK BOUNDARY, 1300 FEET NORTH OF
RATH STREET AND NELSON AVENUE
ENGINEERING AND TRAFFIC SURVEY**

Background

This Engineering and Traffic Survey (E&TS) has been conducted to determine the appropriate speed limit for radar speed enforcement on Vineland Avenue, between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Nelson Avenue. Pursuant to California Vehicle Code (CVC), Section 40802(c)(2)(B)(i), one of the criteria for the legal use of radar equipment on County roadways is that a current E&TS exists reflecting current conditions of the roadway. This E&TS must be updated every seven years in order to continue the use of radar speed enforcement. This study provides a current engineering analysis of the traffic conditions on Vineland Avenue and evaluates the appropriateness of the existing speed limit.

Limits of the Study

This E&TS was conducted on Vineland Avenue between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Nelson Avenue. The northern segment of Vineland Avenue between the City of Baldwin Park boundary and Amar Road is under the jurisdiction of the County of Los Angeles. The segment of Vineland Avenue between Amar Road and Ector Street is jurisdictionally shared between the County and the City of Industry. The County maintains the east side of the roadway, while the City of Industry maintains the west side. The portion between Ector Street and Temple Avenue is maintained by the County. The segment from Temple Avenue to Nelson Street is jurisdictionally shared between the County and the City of Industry. The County maintains the east side of the roadway, and the City of Industry maintains the west side.

Existing Conditions

A. Type of Facility

Vineland Avenue is classified as a Major Collector per the Functional Classification System Maps on file with the Federal Highway Administration. This segment of Vineland Avenue is also classified by the Master Plan of Highways as a Local Street. Therefore, an E&TS is required per the CVC.

B. Roadway Geometry and Improvements

Vineland Avenue between the City of Baldwin Park Boundary, 1300 feet north of Rath Street and Nelson Avenue is 40 feet wide, and runs in the northeast-southwest direction. The roadway has one travel lane in each direction, separated by a dashed yellow centerline. Vineland Avenue has a relatively flat roadway profile and is relatively straight. It is improved with curb, gutter, and sidewalk along both sides.

C. Fronting Development

The fronting development consists of residential units north of Amar Road. South of Amar Road, there are residential units on the east side, and educational, commercial, and industrial facilities along the west side.

D. Traffic

Machine traffic counts were taken on Vineland Avenue on March 3, 2017. The locations and the average daily traffic volumes are shown below in vehicles per day (vpd):

Segment	Volume (vpd)
North of Rath Street	7,884
North of Judith Street	6,309
Average	7,097
South of Giordano Street	8,720
South of Temple Avenue	12,484
Average	10,602

E. Existing Speed Zones

The posted speed limit along Vineland Avenue is 35 mph between the City of Baldwin Park Boundary and Nelson Avenue. The City of Industry has a posted speed limit of 35 mph within its limits of Vineland Avenue.

F. Collision Rate

Collision information was compiled for Vineland Avenue for the two-year period ending January 31, 2018. Based on the roadway characteristics, this segment of Vineland Avenue is considered an Urban Collector. The mid-block collision rates are shown below in comparison to the Countywide expected rate expressed in collisions per million vehicle miles (see Table B, Mid-Block Average Collision Rates).

Location	Actual C/MVM	Expected C/MVM
Vineland Avenue between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Amar Road	2.60	1.96 ± 0.71
Vineland Avenue between Amar Road and Nelson Avenue	1.50	1.96 ± 0.71

G. Enforcement Jurisdiction

Enforcement of the California Vehicle Code for this segment of Vineland Avenue within the County is under the jurisdiction of the Baldwin Park office of the California Highway Patrol. The portion within the City of Industry is enforced by the Los Angeles County Sheriff's Department.

H. Speed Survey Data

Radar speed checks were taken on Vineland Avenue in March 12, 2018. A model Python IV, Doppler Traffic Radar (Serial No. 546004099) was used to conduct the speed checks and was last calibrated on December 2, 2016. The locations and findings are listed below.

Location	Posted Speed	85 th Percentile Speed	Pace Speed
North of Rath Street	35 mph	39 mph	31-40 mph
North of Judith Street	35 mph	39 mph	32-41 mph
Average		39 mph	

Location	Posted Speed	85 th Percentile Speed	Pace Speed
South of Giordano Street	35 mph	40 mph	31-40 mph
South of Temple Avenue	35 mph	36 mph	28-37 mph
Average		38 mph	

Conclusions and Recommendations

Vineland Avenue between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Amar Road.

This segment of Vineland Avenue currently has a posted speed limit of 35 mph between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Amar Road. Radar speed checks revealed an 85th percentile speed of 39 mph on this segment of Vineland Avenue. The collision rate for this section is 2.60 C/MVM, which is higher than the Countywide expected rate of 1.96 ± 0.71 C/MVM. The nearest 5 mph increment of the 85th percentile speed of 39 mph would be rounded up to 40 mph. However, CVC Section 21400(b) allows a local authority to round down speed limits as long as no further reduction is taken; therefore, it is recommended that the speed limit for Vineland Avenue within the subject limits remain at 35 mph.

Vineland Avenue between Amar Road and Nelson Avenue.

This segment of Vineland Avenue currently has a posted speed limit of 35 mph between Amar Road and Nelson Avenue. Radar speed checks revealed an average 85th percentile speed of 38 mph on this segment of Vineland Avenue. The collision rate for this section is 1.50 C/MVM, which is within the Countywide expected rate of 1.96 ± 0.71 C/MVM. The nearest 5 mph increment of the 85th percentile speed of 38 mph would be rounded up to 40 mph. However, CVC Section 21400(b) allows a local authority to round down speed limits as long as no further reduction is taken; therefore, it is recommended that the speed limit for Vineland Avenue within the subject limits remain at 35 mph.

Summary of Recommendations	Existing	Proposed
Vineland Avenue between the City of Baldwin Park boundary, 1300 feet north of Rath Street and Amar Road	35 mph	35 mph
Vineland Avenue between Amar Road and Nelson Avenue	35 mph	35 mph

Raymond Ahlborn
Project Engineer

4/30/18
Date

Joe H. Smith
Project Supervisor

5/18/2018
Date



Accepted: City of Industry

Date

ZA:

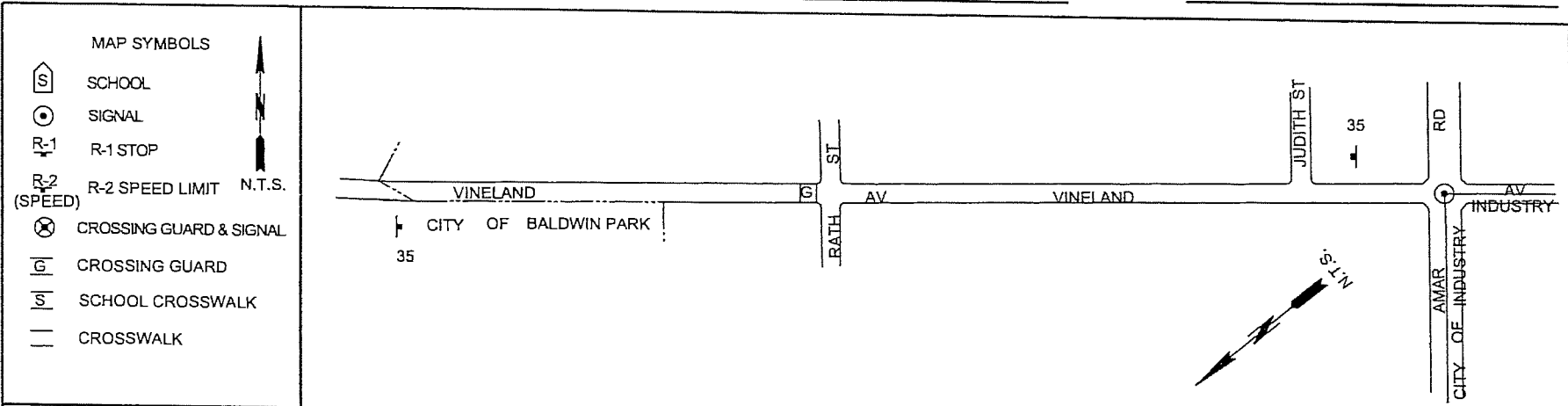
P:\pub\INVEST\INV\Radars\ETraport\Vineland Ave from City of Baldwin Park Boundary North of Rath Street to Nelson Avenue.doc

ENGINEERING AND TRAFFIC SURVEY

STREET Vineland Avenue

FROM City of Baldwin Park Boundary, 1300 feet north of Rath Street

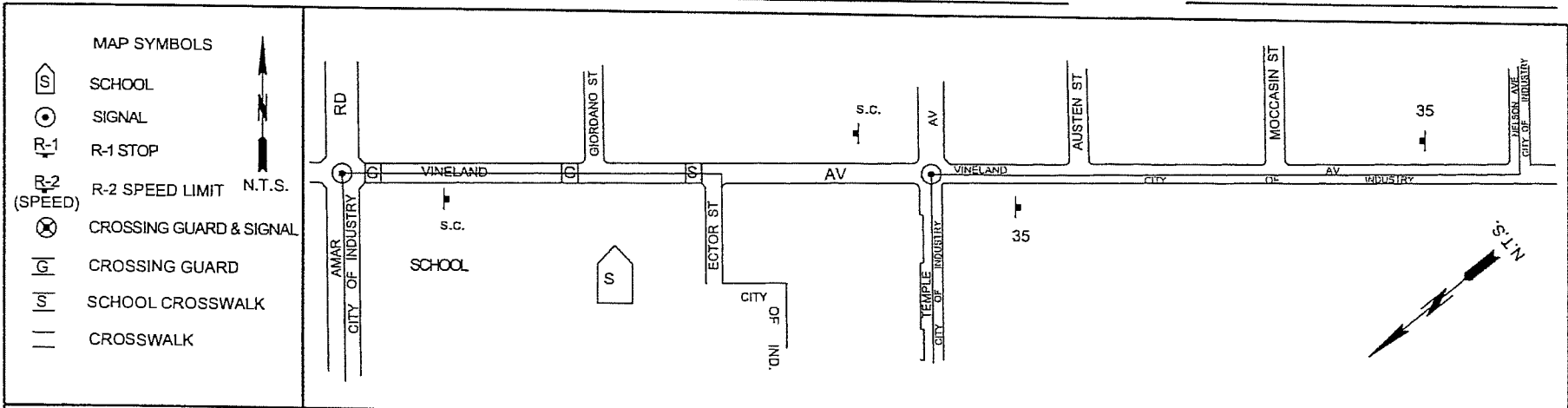
TO Amar Road



- MAP SYMBOLS
- SCHOOL
 - SIGNAL
 - R-1 STOP
 - R-2 SPEED LIMIT (SPEED)
 - CROSSING GUARD & SIGNAL
 - CROSSING GUARD
 - SCHOOL CROSSWALK
 - CROSSWALK
- N.T.S.

DISTANCE	0.52 MILES	
VERTICAL ALIGNMENT	RELATIVELY FLAT	
PARKING RESTRICTIONS	NO PARKING VEHICLES FOR SALE	
STREET WIDTH	40'	
NO. LANES & MEDIAN	1 LANE EACH DIRECTION, YDCL	
IMPROVED (SW, C & G)	FULLY IMPROVED	
FRONTING DEVELOPMENT	Note 1*	RESIDENTIAL
AVERAGE DAILY TRAFFIC	7,884	6,309
SPEED CHECK DATA (DATE & LOC.)	3/12/18	3/12/18
85TH PERCENTILE SPEED	39 MPH	39 MPH
AVERAGE SPEED	36 MPH	37.1 MPH
10 MILE PACE SPEED	31 - 40	32 - 41
COLLISION DATA (2 YRS TO 01/31/18)		
TOTAL MIDBLOCK COLLISIONS	7	
NO. WITH SPEED VIOLATIONS	0	
PREDOMINATE TYPE	Improper Turning	
HBD, H&R	1	
COLLISION RATE (CMVM)	2.60	
COUNTY AVERAGE (C/MVM)	1.96 ± 0.71	
REMARKS:	Note 1*: Recreational W/S, Residential E/S	
EXISTING SPEED LIMIT	35 MPH	
PROPOSED SPEED LIMIT	35 MPH	

STREET Vineland Avenue FROM Amar Road TO Nelson Avenue



DISTANCE	0.69 MILES		
VERTICAL ALIGNMENT	RELATIVELY FLAT		
PARKING RESTRICTIONS	NSAT W/S	NONE	NSAT W/S
STREET WIDTH	40'		
NO. LANES & MEDIAN	1 LANE EACH DIRECTION, YDCL		
IMPROVED (SW, C & G)	FULLY IMPROVED		
FRONTING DEVELOPMENT	RESIDENTIAL E/S, INDUSTRIAL AND EDUCATIONAL W/S	NOTE 1*	NOTE 2*
AVERAGE DAILY TRAFFIC	8,720		12,484
SPEED CHECK DATA (DATE & LOC.)	03/12/18		03/12/18
85TH PERCENTILE SPEED	40 MPH		36 MPH
AVERAGE SPEED	35.3 MPH		33.4 MPH
10 MILE PACE SPEED	31-40		28-37
COLLISION DATA (2 YRS TO 01/31/18)			
TOTAL MIDBLOCK COLLISIONS	8		
NO. WITH SPEED VIOLATIONS	3		
PREDOMINATE TYPE	Unsafe Speed		
HBD, H&R	1		
COLLISION RATE (C/MVM)	1.50		
COUNTY AVERAGE (C/MVM)	1.96 ± 0.71		
REMARKS:	*Note 1: Residential and Recreational East Side, Commercial West Side *Note 2: Residential East Side, Industrial West Side		
EXISTING SPEED LIMIT	35 MPH		
PROPOSED SPEED LIMIT	35 MPH		

**Engineering and Traffic Survey
Collision Rate**

**Vineland Avenue
1300 feet north of Rath Street to Amar Road**

Approx. Length (miles):	<u>0.52</u>
Total # Midblock Collisions:	<u>7</u>
Average Daily Volume:	<u>7,097</u>
Time (years):	<u>2</u>

$$\text{Collision Rate} = \frac{\# \text{ midblock collisions} \times 10^6}{\text{ADT} \times \text{Time}(\text{years}) \times 365 \times \text{Length}(\text{miles})}$$

Collision Rate = 2.60 C/MVM

**Engineering and Traffic Survey
Collision Rate**

**Vineland Avenue
Amar Road to Nelson Avenue**

Approx. Length (miles): 0.69
Total # Midblock Collisions: 8
Average Daily Volume: 10,602
Time (years): 2

$$\text{Collision Rate} = \frac{\# \text{ midblock collisions} \times 10^6}{\text{ADT} \times \text{Time}(\text{years}) \times 365 \times \text{Length}(\text{miles})}$$

Collision Rate = 1.50 C/MVM

CITY COUNCIL

ITEM NO. 6.1



CITY OF INDUSTRY

MEMORANDUM

TO: Honorable Mayor Radecki and Members of the City Council
FROM: Troy Helling, Acting City Manager *TH*
DATE: July 12, 2018
SUBJECT: Two Seats on the Civic-Recreational-Industrial Authority Board

Recently, the term of the seats currently held by Howard Lim and Danny Molina have expired. It is City Council's role to fill the seats; thereby, rounding out the Board. Following the standard recruitment process, the City received five applications, they are as follows:

Ken Calvo
Henry Eugene Gonzales
Sean Lee
Danny H. Molina-Lira
Ronald Whittemore

All five applications from the above candidates are attached. IT IS RECOMMENDED that the Mayor and City Council direct staff accordingly.



CITY OF INDUSTRY

18 JUN 5 AM 9:23:45

CITY OF INDUSTRY

APPLICATION FOR CITY COMMISSION OR AUTHORITY

To: The Honorable Mayor and Members of the City Council

Please accept this correspondence as my formal interest in serving on the City of Industry CNIC RECREATIONAL INDUSTRIAL AUTHORITY

I very much appreciate your consideration.

Sincerely,

RONALD WHITMORE

Print your name

Address

Phone Number

Email Address

Ronald Whitmore
Signature

6/3/2018
Date



CITY OF INDUSTRY

18 JUN 22 PM 1:00:20

CITY OF INDUSTRY

APPLICATION FOR CITY COMMISSION OR AUTHORITY

To: The Honorable Mayor and Members of the City Council

Please accept this correspondence as my formal interest in serving on the City of Industry Civic - Recreational - Industry Authority

I very much appreciate your consideration.

Sincerely,

Henry Eugene Gonzales
Print your name

Address

Phone Number

Email Address

Henry Eugene Gonzales
Signature

06/22/2018
Date

Henry Gonzales

RE: Civic-Recreational-Industrial authority Open Position

To city Of Industry Council:

Hello, my Name is Henry Gonzales and I have resided in Hacienda Heights, California. I purchased a home in 1985, married my college sweetheart and raise five children, all of whom are College Graduated. Two of my children Graduated from the United States Naval Academy and the other three from State colleges. My youngest Daughter Graduated Law school and is now studying for the Bar.

I was very involved in the Community and the Hacienda La Puente Unified School District. I was Booster President for Both Wilson High school and Los Altos High School. I ran for elected office Locally and state wide as well. I was former president of Hacienda Kiwanis Club, former announcer in the 4th of July Parade for Hacienda Heights.

In 2015 a family tragedy transpired, and I stepped out of public life. It 's been three years now and I felt its time to start participating in the community I live in. Since Hacienda Heights doesn't have a city Counsel, I have been reviewing the local cities nearby, when I came across your website and saw open position for the Civic-Recreational-Industrial Authority.

I have over 30 year of Business experience in Finance, Construction management and Real Estate. I believe this would be a great opportunity for me and would like to be considered for the open position.

Thank your for taking the time to review my application and would consider it an honor to serve the City of Industry.



Henry Gonzales



CITY OF INDUSTRY

60504515100

CITY OF INDUSTRY

APPLICATION FOR CITY COMMISSION OR AUTHORITY

To: The Honorable Mayor and Members of the City Council

Please accept this correspondence as my formal interest in serving on the
City of Industry CIVIC RECREATIONAL INDUSTRIAL AUTHORITY.

I very much appreciate your consideration.

Sincerely,

DANNY H. MOLINA LIRA

Print your name

Address

Phone Number

Email Address

[Handwritten Signature]
Signature

06-12-2018
Date

To: Honorable City of Industry Mayor Mark Radecki, Mayor Pro Tem Cory Moss, and Council Members Abraham Cruz, Newell Ruggles, and Catherine Marcucci

From: Danny Molina

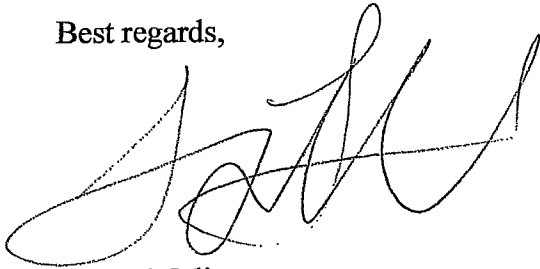
Date: June 12, 2018

RE: CRIA Reappointment

It has been a great honor to serve City of Industry's Civic Recreational Industrial Authority (CRIA) these past 17 months. During those months, I had the privilege of witnessing the dedication, passion, and growth revolving our City of Industry's Expo Center endeavors. Thus far, we have made substantial improvements; however, there is always more room for growth and I would like to continue contributing my dedication and passion as an asset board member for CRIA. Given that I am the only board member that is also a resident in City of Industry, I have a special perspective to offer. Due to the fact that I live "on property", I have a unique vantage point on how our events can impact not only our City of Industry residents, but our surrounding neighbors as well; consequently and undoubtedly, making me a strong asset.

I humbly appreciate your consideration.

Best regards,

A handwritten signature in black ink, appearing to read 'Danny Molina', with a large, sweeping flourish at the end.

Danny Molina



CITY OF INDUSTRY

2018 APR 28 10:20 AM

CITY OF INDUSTRY

APPLICATION FOR CITY COMMISSION OR AUTHORITY

To: The Honorable Mayor and Members of the City Council

Please accept this correspondence as my formal interest in serving on the
City of Industry Civic-Recreational-Industrial Authority

I very much appreciate your consideration.

Sincerely,

Ken Calvo

Print your name

Address

Phone Number

Email Address

Signature

Date

June 28, 2018

City Council
City of Industry
15625 Stafford Street
City of Industry, CA 91744

Honorable Mayor Radecki and members of the City Council:

I am submitting this letter of interest along with my application for consideration of an appointment to the Civic Recreational Industrial Authority (C.R.I.A.) board to further convey my desire to continue to serve our City but also to illustrate what I feel makes me qualified to serve in an effective manner.

Possessing a Bachelor of Science degree from USC and being licensed by our State and Federal government as a health care administrator has given me the opportunity to enjoy a diverse range of experience. Beginning in the Aerospace and Automotive industries managing people and production and later transitioning into the health care/ habilitation field has afforded me the experiences of business and institutional requirements, realities, and managerial styles. My work as a volunteer and board member of the Industry Hills Charity Pro Rodeo and the Gabriel Foundation has given me insight as to the importance of those organizations and the community needs they serve, while at the same time I have been able to get an understanding of the jewel that we have in the Industry Expo Center and how I believe CRIA can use it's vision and leadership to take that venue to the next level and to continue to be an asset for the entire community. I thank you for your consideration and would be honored to serve.

Respectfully,



Ken Calvo



CITY OF INDUSTRY

CITY OF INDUSTRY

APPLICATION FOR CITY COMMISSION OR AUTHORITY

To: The Honorable Mayor and Members of the City Council

Please accept this correspondence as my formal interest in serving on the
City of Industry Civic-Recreational-Industrial Authority

I very much appreciate your consideration.

Sincerely,

Sean Lee

Print your name

Address

Phone Number

Email Address


Signature

07/05/2018

Date

To: The Honorable Mayor and Members of the city council

My name is Sean Lee, thank you all for taking your valuable time to consider me as one of the candidates for the Vacancies on the civic recreational industrial Authority.

I am currently a vice president of a major international freight company called the Airtiger Express. We currently have more than 2000 employees world wide. We are a privately held company which Headquarter out of New York. I am also the shareholder of this firm.

The Western region Headquarter was based out of Rancho Dominguez until 2009. I made the decision to move the office space into City of industry which now we have been in the building on 17000 e Gale Ave., City of Industry since then. Airtiger have been around for more than 35 years.

I personally have an unique bond with city of industry and I have had many fond memories with this great city and its people.

On 2011, I started my very first toy drive to help my good friend Paul Walker and his foundation Reachout worldwide hosted its very firs toy drive at this beautiful city.

On 2012 I started my own charity organization called Puristgorup. The target goal of the purist group started out as a group of people to help out the kids whom suffered abuse and also underprivileged. Today We gather supplies by hosting various events such as toy drive, food drive and back to school event to acquire various resource and send them out to the community that needs them. We even did our first disaster

relief event in 2018 along with the owner of Tillys to send out 3 trucks full of products to Texas to help out the flood victims.

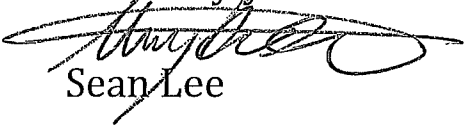
on 2016 we decided to move our toy drive to where it all started, which is city of industry. Now Puristgroup year end toy drive attracted thousand of peoples and each year we donate 15000 toys to various agencies thru out the nation so the kids will have a better Christmas.

On 2016 Puristgroup also started the back to school back pack event which we gather backpacks and load them up with goodies inside and send them out the kids. 2016 we had mere 250 backapck and 2017 we collected more than 1500 backpacks and this year we will be doing it again.

I am currently also served as board member on industry sheriff YAL as well.

I sincerely looking forward to hear from you guys soon and I look forward to be able to do more for this great city and its people I enjoyed so much.

Sincerely yours



Sean Lee

Founder

Puristgroup

25:10:00 10:00

COI

City Clerk
