

**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION**

Item No. PW 10-35

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: November 17, 2010

SUBJECT: Update of Speed Surveys and Speed Limits

Statement of Issue: The California Vehicle Code requires periodic review and updating of posted speed limits on various streets within the City. Posted limits enable the Police Department to continue using speed-measuring devices for enforcement.

Funding Source: Funds for the implementation of recommended speed limit changes are included in the Public Works Department operating budget.

Impact on Future Maintenance Costs: None

Recommended Action: Motion to recommend to City Council staff's recommendation for the posted speed limits summarized in Attachment 1.

The recommendation includes reaffirming current speed limits on 79 of the 90 surveyed street segments. Five mile per hour (5 mph) speed limit increases are recommended for eight (8) street segments and a 10 mph speed limit increase on 1 segment.

Alternative Action(s): Identify conditions that warrant reconsideration of recommended speed limits as identified by the Public Works Commission.

Analysis: City staff has performed the three required elements used to establish posted speed limits in accordance with procedures adopted by the State of California. All speed limits must be established in conformance with the State adopted procedures in order to gain legal support for enforcement of the posted speed limit. The three elements used to establish speed limits are:

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- 1) Sample existing travel speeds at a representative location within the roadway segment.
- 2) Review the street segment to identify roadway characteristics and conditions that may not be readily apparent to motorists.
- 3) Review accident history.

The review of travel speeds is used to establish a baseline speed limit for a roadway segment. The posted speed limit is established at the nearest five mile per hour (5 mph) increment of the 85th percentile speed of free-flowing traffic. The State of California allows for posted speed limits to be reduced by five mile per hour (5 mph) when roadway conditions warrant the reduction. Applying the reduction requires written documentation of the conditions and justification for the lower speed limit. Case law has shown that the courts will not support speed limit postings that appear to be arbitrary and without demonstrated technical support. Any speed limit found by the courts to be inconsistent with approved requirements is deemed a "speed trap" and therefore not enforceable. In 2009, the approved procedures for establishing the base speed limit for a street segment changed. Prior to that time and when all of the current posted segments were previously studied, the base speed limit was not based on the nearest 5 mph increment, but the next 5 mph increment below the 85th percentile speed. This change in procedure has had the effect of increasing the base speed limit in many of the studied segments.

Staff has identified characteristics within several of the roadway segments which may not be readily apparent to motorists. Due to these conditions, posting near the 85th percentile speed may not be reasonable and prudent. Attachment 3 provides an example where the 85th percentile speed was reduced on Yorktown Avenue from Newland Street to Bushard Street based on the unapparent roadway conditions.

As part of the report to City Council, staff is including minor amendments to the current Speed Limits Ordinance, Huntington Beach Municipal Code 10.12. To simplify the process and in accordance with recommended practices for posting speed limits, several street segments are being consolidated into longer segments.

Attachment 2 shows the locations where the recommended speed limits change. Additionally, two street segments which are currently not posted, Bolsa Chica from Los Patos Avenue to the South City Limit, and Talbert Avenue from Gothard Street to the Central Library driveway will have posted speed limits for the first time.

The following segments are recommended to have speed limits increased by 5 mph:

- 1) Atlanta Avenue from 1st Street to Delaware Street – from 30 to 35 mph
- 2) Atlanta Avenue from Delaware Street to Beach Boulevard – from 35 to 40 mph
- 3) Bolsa Chica Street from Los Patos Avenue to Warner Avenue – from 30 to 35 mph
- 4) Ellis Avenue from Gothard Street to Main Street – from 35 to 40 mph
- 5) Garfield Avenue from Beach Boulevard to Newland Street – from 40 to 45 mph
- 6) Heil Avenue from Goldenwest Street to Beach Boulevard – from 40 to 45 mph
- 7) Magnolia Street from Pacific Coast Highway to Banning Street – from 40 to 45 mph
- 8) Main Street from Yorktown Avenue to Ellis Avenue/Beach Boulevard – from 35 and 40 to 45 mph.

A ten mile per hour (10 mph) speed limit increase is recommended on the following roadway segment,

- 1) Garfield Avenue from Main Street to Beach Boulevard – from 35 to 45 mph

Attachments:

- 1) Summary Table of Recommended Speed Limits
- 2) Map of Recommended Speed Limit Changes
- 3) Traffic Engineering Speed Survey Sheets Example – Newland Street
- 4) Municipal Code Chapter 10.12, Speed Limits – Amendments
- 5) Speed Survey Data Sheets

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ATTACHMENT #1

SUMMARY OF RECOMMENDED SPEED LIMITS

Street	Segment	Existing Speed Posting	Recommended Speed Posting
1st	PCH - Atlanta	35	35
Adams	Beach - Magnolia	45	45
	Magnolia - Brookhurst	45	45
	Brookhurst - City Limit	45	45
Atlanta	1st - Delaware	35	40
	Delaware - Beach	40	45
	Beach - Newland	40	40
	Newland - Magnolia	45	45
	Magnolia - Brookhurst	45	45
Bolsa Ave	Springdale - Edwards	45	45
	Edwards - Goldenwest	40	40
Bolsa Chica	South City Limit - Los Patos	-	30
	Los Patos - Warner	30	35
	Warner - Edinger	50	50
Delaware	Garfield - Ellis	35	35
Edinger	Bolsa Chica - Springdale	45	45
	Springdale - Goldenwest	45	45
	Goldenwest - Beach	45	45
	Beach - Newland	40	40
Edwards	Bolsa - City Limit	40	40
Ellis	Edwards - Gothard	45	45
	Gothard - Main	35	40
	Beach - Newland	40	40
Garfield	Goldenwest - Main	45	45
	Main - Beach	35	45
	Beach - Newland	40	45
	Newland - Brookhurst	45	45
	Brookhurst - Ward	45	45
Goldenwest	PCH - Yorktown	50	50
	Yorktown - Ellis	50	50
	Ellis - Slater	50	50
	Slater - Heil	45	45
	Heil - McFadden	45	45
	McFadden - Bolsa	45	45
Gothard	Main - Garfield	40	40
	Garfield - Ellis	40	40
	Ellis - Slater	40	40
	Slater - Warner	40	40
	Warner - Heil	40	40
	Heil - Center	40	40
	Center - McFadden	40	40

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SUMMARY OF RECOMMENDED SPEED LIMITS

Street	Segment	Existing Speed Posting	Recommended Speed Posting
Graham	Slater - Warner	40	40
	Warner - Heil	35	35
	Heil - Edinger	40	40
	Edinger - Bolsa	45	45
Heil	Saybrook - Bolsa Chica	35	35
	Goldenwest - Beach	40	45
Indianapolis	Lake - Beach	30	30
	Beach - Newland	40	40
	Newland - Magnolia	40	40
	Magnolia - Brookhurst	40	40
Magnolia	PCH - Banning	40	45
	Banning - Hamilton	45	45
	Hamilton - Atlanta	45	45
	Atlanta - Adams	45	45
	Adams - Garfield	45	45
	Warner - I 405 FWY	45	40
Main	Adams - Yorktown	35	35
	Yorktown - Beach	40	45
McFadden	Graham - Edwards	45	45
	Edwards - Goldenwest	45	45
	Goldenwest - Gothard	45	45
	Gothard- (East) City Limit	40	40
Newland	PCH - Hamilton	35	35
	Hamilton - Indianapolis	45	45
	Indianapolis - Adams	45	45
	Talbert - Warner	45	45
	Warner - Heil	45	45
Parkside	Holt - Edinger	30	30
Plaza	Warner - Heil	25	25
Slater	Graham -Edwards	45	45
	Edwards - Gothard	45	45
	Gothard - Beach	40	40
	Beach - Newland	40	40
Springdale	(South) City Limit - Slater	45	45
	Slater - Warner	45	45
	Warner - Heil	45	45
	Heil - Edinger	45	45
	Edinger - McFadden	45	45

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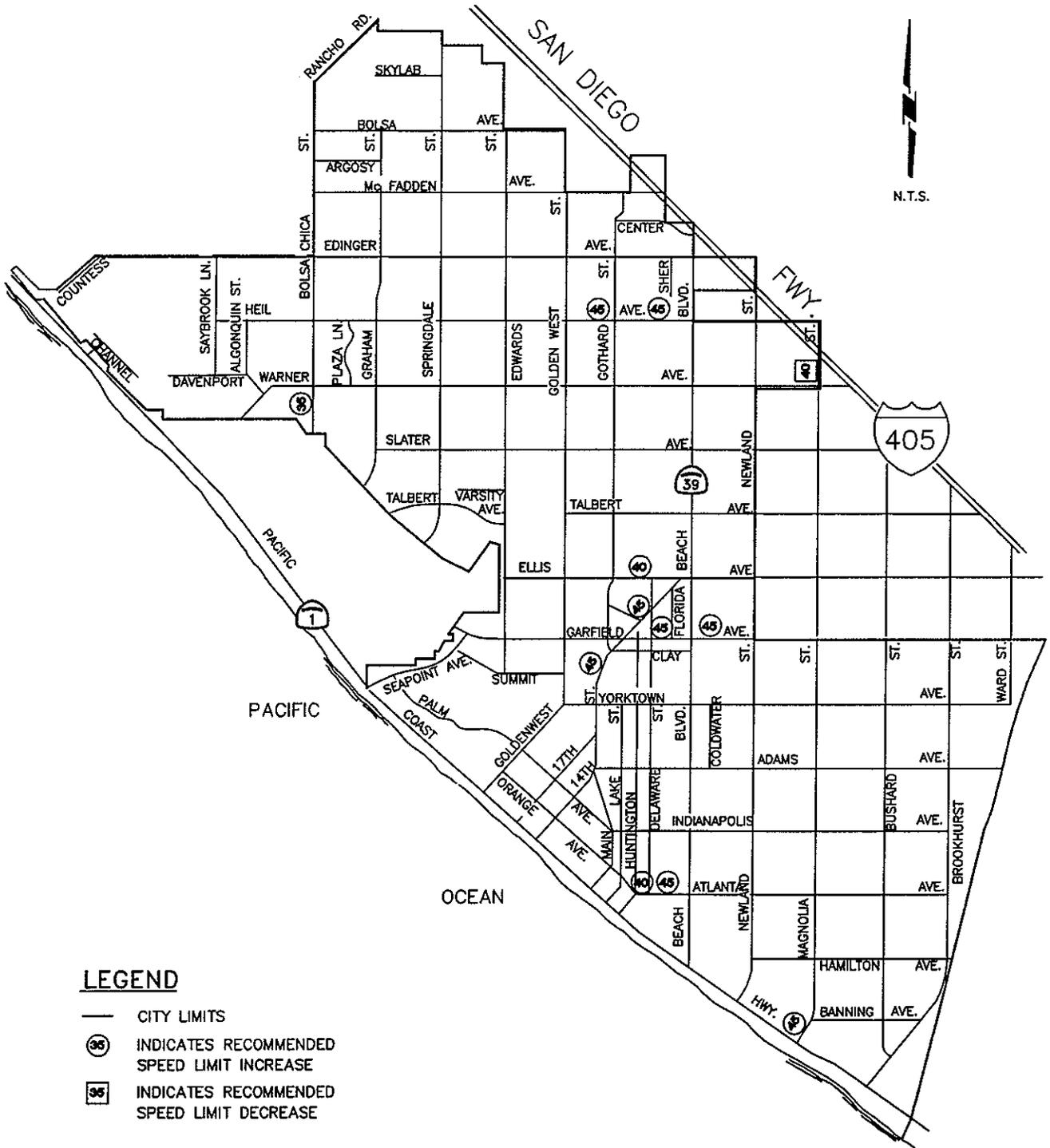
SUMMARY OF RECOMMENDED SPEED LIMITS

Street	Segment	Existing Speed Posting	Recommended Speed Posting
Talbert	(West) City Limit - Edwards	40	40
	Library - Gothard	-	35
	Gothard - Beach	45	45
	Beach - Newland	45	45
Ward	Yorktown - Garfield	45	45
Warner	PCH - Algonquin	50	50
	Goldenwest - Beach	45	45
	Beach - Magnolia	45	45
Yorktown	Beach - Newland	45	45
	Newland - Bushard	45	45
	Bushard - Ward	45	45

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ATTACHMENT #2



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RECOMMENDED SPEED LIMIT CHANGES

ATTACHMENT

CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

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ATTACHMENT #3

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	1	0	1	1
54	0	2	0	2	2
53	1	1	1	1	2
52	0	2	0	2	2
51	1	1	1	1	2
50	0	1	0	1	1
49	2	3	2	3	5
48	4	3	4	3	7
47	5	3	5	3	8
46	3	6	3	6	9
45	6	5	6	5	11
44	4	6	4	6	10
43	7	8	7	8	15
42	7	5	7	5	12
41	5	2	5	2	7
40	3	2	3	2	5
39	1	2	3	2	5
38	2	1	2	1	3
37	1	1	1	1	2
36	0	1	0	1	1
35	2	2	2	2	4
34	1	1	1	1	2
33	0	0	0	0	0
32	0	0	0	0	0
31	0	0	0	0	0
30	0	0	0	0	0
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	Yorktown Avenue
Between	Newland to Bushard
Date Surveyed	6-9-10
Time Surveyed	2:25PM to 2:35PM
85th %	47 M.P.H.
Pace	40 - 49 M.P.H.
% In Pace	77%
# Of Vehicles	116
Posted Speed Limit	40 M.P.H.
New Speed Limit	40 M.P.H.
Accident Rate(Acc/MVM)=	0.59 State Rate= 3.35
Performed By	Jim Escutia

Approved: City Of Huntington Beach
Date:
Robert Stachelski, Transportation Manager R.T.E. 1651

Remarks
 Several intersection streets within this segment have design speed sight distance limitations. Two uncontrolled school area crosswalks exist within this segment with pedestrian activity. These conditions may not be readily apparent to drivers. A 5 mph reduction is applied as a reasonable and effective speed to facilitate the safe and orderly movement of traffic within this street segment.

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCD Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.		
This document is a correct copy of the original in the PW Dept.		
Date	Sign	Title
City of Huntington Beach CA Public Works Department		

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CITY OF HUNTINGTON BEACH

FOR ROADWAY: Yorktown Avenue

DATE: 6-9-10 TIME START: 2:25PM TIME STOP: 2:35PM

SPEED (MPH)	VEHICLES SURVEYED		TOTAL VEHICLES
	EASTBOUND	WESTBOUND	
65			0
64			0
63			0
62			0
61			0
60			0
59			0
58			0
57			0
56			0
55		X	1
54		X	2
53		X	2
52		X	2
51		X	2
50		X	1
49	X	X	5
48	X	X	7
47	X	X	8
46	X	X	9
45	X	X	11
44	X	X	10
43	X	X	15
42	X	X	12
41	X	X	7
40	X	X	5
39	X	X	3
38	X	X	2
37	X	X	1
36	X	X	4
35	X	X	0
34	X	X	0
33			0
32			0
31			0
30			0
29			0
28			0
27			0
26			0
25			0
24			0
23			0
22			0
21			0
20			0
19			0
18			0
17			0
16			0
15			0
		G	116

LOCATION: Newland to Bushard

ROAD DESCRIPTION:

ACCIDENT HISTORY:

ACCIDENT RATE: 0.59 EXPECTED RATE: 3.35

ROADWAY CONDITIONS: FAIR

WEATHER: DRY

EXISTING SPEED LIMIT: 40 PROPOSED SPEED LIMIT: 40

AVERAGE DAILY TRAFFIC: _____ SEGMENT LENGTH: _____

85TH %: 47 M.P.H.

50TH %: 43 M.P.H.

15TH %: 39 M.P.H.

AVERAGE SPEED: 44 M.P.H.

10 MPH PACE: 40 - 49 M.P.H.

% IN PACE: 77%

% OVER PACE: 9%

% UNDER PACE: 15%

OBSERVED BY:

REVIEWED BY: Jim Escutia

DATE

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ATTACHMENT #4

AN ORDINANCE OF THE CITY OF HUNTINGTON BEACH
 AMENDING CHAPTER 10.12 OF THE HUNTINGTON BEACH MUNICIPAL
 CODE RELATING TO SPEED LIMITS

The City Council of the City of Huntington Beach does hereby ordain as follows:

SECTION 1. Section 10.12.080 of the Huntington Beach Municipal Code is hereby amended to read as follows:

10.12.080 Speed limits enumerated. Streets are listed alphabetically and categorized up (North) and to the right (East). An asterisk (*) denotes speed limit not set by survey.

STREET	BETWEEN		SPEED
1st	PCH	Atlanta	35
Adams	17th	Main Street	25
	Main Street	Lake Street	25
	Lake Street	Beach	40
	Beach	Magnolia	45
	Magnolia	Brookhurst	45
	Brookhurst	East City Limit	45
Algonquin	Warner	Heil	35
Argosy	Bolsa Chica	Graham	40
Atlanta	1st	Delaware	35
	Delaware	Beach	40
	Beach	Newland	40
	Newland	Magnolia	45
	Magnolia	Brookhurst	45
Banning	Magnolia	Brookhurst	35
Bolsa	Bolsa Chica	Springdale	45
	Springdale	Edwards	45
	Edwards	Goldenwest	40
Bolsa Chica	South City Limit	Los Patos	30
	Los Patos	Warner	35
	Warner	Edinger	45
	Edinger	Rancho	50
Brookhurst	PCH	Banning	50
	Banning	Atlanta	45
	Atlanta	Adams	45
	Adams	Garfield	45

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STREET	BETWEEN		SPEED
Bushard	Brookhurst	Hamilton	40
	Hamilton	Indianapolis	40
	Indianapolis	Yorktown	40
	Yorktown	Garfield	45
Center	Gothard	I-405 Fwy	35
Channel	Admiralty	Gilbert	30
Clay	Main	Beach	30
Coldwater	Adams	Yorktown	30
Countess	Portofino	Edinger	30
Davenport	Edgewater	Algonquin	35
Delaware	Atlanta	Adams	35
	Adams	Garfield	35
	Garfield	Ellis	35
Edinger	West City Limit	Bolsa Chica	45
	Bolsa Chica	Springdale	45
	Springdale	Goldenwest	45
	Goldenwest	Beach	45
	Beach	Newland	40
Edwards	Garfield	Warner	40
	Warner	Edinger	45
	Edinger	Bolsa	40
	Bolsa	North City Limit	40
Ellis	Edwards	Gothard	45
	Gothard	Main	40
	Beach	Newland	40
Florida	Garfield	Main	30
Garfield	Seapoint	Goldenwest	45
	Goldenwest	Main Street	45
	Main Street	Newland	45
	Newland	Magnolia	45
	Magnolia	Brookhurst	45
	Brookhurst	Ward	45
Goldenwest	PCH	Yorktown	50
	Yorktown	Ellis	50
	Ellis	Slater	50
	Slater	Heil	45
	Heil	McFadden	45
	McFadden	Bolsa	45

STREET	BETWEEN	SPEED		
Gothard	Garfield	Ellis	40	
		Ellis	Slater	40
		Slater	Warner	40
		Warner	Heil	40
		Heil	Center	40
		Center	McFadden	40
		Main	Garfield	40
Graham	South City Limit	Slater	35	
		Slater	Warner	40
		Warner	Heil	35
		Heil	Edinger	40
		Edinger	Bolsa	45
Hamilton	Newland	Magnolia	45	
	Magnolia	East City Limit	45	
Heil	Saybrook	Bolsa Chica	35	
	Bolsa Chica	Springdale	40	
	Springdale	Goldenwest	40	
	Goldenwest	Beach	45	
	Beach	Newland	40	
Huntington	PCH	Atlanta	30	
	Atlanta	Yorktown	30	
	Yorktown	Taylor	25	
Indianapolis	Lake	Beach	30	
	Beach	Newland	40	
	Newland	Magnolia	40	
	Magnolia	Brookhurst	40	
Lake	Orange	Indianapolis	30	
	Indianapolis	Adams	35	
	Adams	Yorktown	35	
Magnolia	PCH	Banning	45	
	Banning	Hamilton	45	
	Hamilton	Atlanta	45	
	Atlanta	Adams	45	
	Adams	Garfield	45	
	Warner	I-405 (San Diego Fwy)	45	

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STREET	BETWEEN		SPEED
Main Street	PCH	6th	25
	6 th	Adams	30
	Adams	Yorktown	35
	Yorktown	Ellis/Beach	45
McFadden	Bolsa Chica	Chemical	25
	Chemical	Graham	35
	Graham	Edwards	45
	Edwards	Goldenwest	45
	Goldenwest	Gothard	45
	Gothard	East City Limit	40
Newland	PCH	Hamilton	35
	Hamilton	Indianapolis	45
	Indianapolis	Adams	45
	Adams	Garfield	45
	Garfield	Talbert	45
	Talbert	Warner	45
	Warner	Heil	40
	I-405	Edinger	40
Orange	1st	17 th	30
	17th	Goldenwest	30
Palm	Main	Goldenwest	30
	Goldenwest	Seapoint	35
Parkside	Holt	Edinger	30
Peninsula Plaza	Summit	Garfield	35
	Warner	Heil	25
Promenade	Gothard	Main	35
Quarter Horse	Ellis	End	25
Rancho	Bolsa Chica	North/East City Limits	40
Saybrook	Davenport	Humboldt	30
	Humboldt	Edinger	35
17th	PCH	Palm	35
	Palm	Main	35
	Huntington	Florida	25
Seapoint	PCH	Garfield	40
Sher	Juliette Low	Edinger	25
Slater	Graham	Edwards	45
	Edwards	Gothard	45
	Gothard	Beach	40
	Beach	Newland	40
Springdale	South City Limit	Slater	45
	Slater	Warner	45
	Warner	Heil	45
	Heil	Edinger	45

STREET	BETWEEN		SPEED
	Edinger	McFadden	45
	McFadden	North City Limits	45
Skylab	West of Rancho Rd	Springdale	40
Summit	Seapoint	Goldenwest	35
Talbert	West City Limit	Edwards	40
	Central Library Driveway	Gothard	35
	Gothard	Beach	45
	Beach	Newland	45
Varsity Drive	Edwards	Talbert	30
Ward	Yorktown	Garfield	45
Warner	PCH	Algonquin	50
	Algonquin	Graham	45
	Graham	Edwards	45
	Edwards	Goldenwest	45
	Goldenwest	Beach	45
	Beach	Magnolia	45
Yorktown	Goldenwest	Lake	35
	Lake Street	Beach	40
	Beach	Newland	40
	Newland	Bushard	45
	Bushard	Ward	45

SECTION 2. This ordinance shall become effective 30 days after its adoption.

PASSED AND ADOPTED by the City Council of the City of Huntington Beach at a regular meeting thereof held on the _____ day of _____, 2008.

Mayor

ATTEST:

APPROVED AS TO FORM:

City Clerk

City Attorney

REVIEWED AND APPROVED:

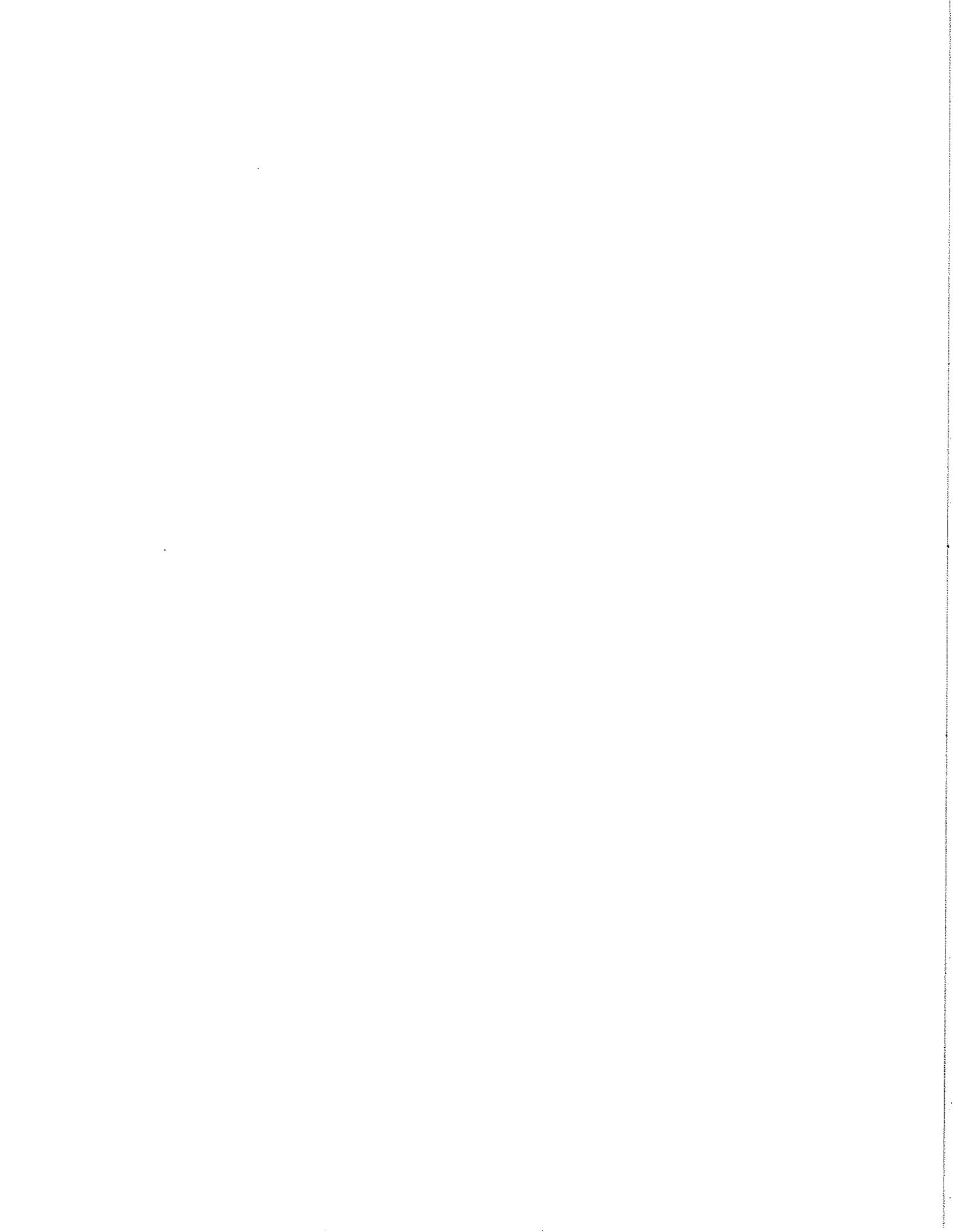
INITIATED AND APPROVED:

City Administrator

Director of Public Works

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ATTACHMENT #5



CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	0	0	0	0	0
48	0	0	0	0	0
47	0	0	0	0	0
46	0	0	0	0	0
45	0	0	0	0	0
44	0	0	0	0	0
43	0	0	0	0	0
42	1	0	1	0	1
41	1	1	1	1	2
40	0	0	0	0	0
39	1	1	1	1	2
38	2	5	2	4	7
37	4	2	5	4	9
36	4	1	4	1	5
35	5	6	5	6	11
34	2	3	2	3	5
33	5	3	5	3	8
32	2	6	7	6	13
31	6	4	6	4	10
30	5	4	5	4	9
29	3	5	3	5	8
28	0	4	0	4	4
27	3	4	3	4	7
26	1	3	1	3	4
25	1	1	1	1	2
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	1st Street
Between	Pacific Coast Highway to Atlanta Ave
Date Surveyed	6-29-10
Time Surveyed	1:35PM to 1:55PM
85th %	36 M.P.H.
Pace	29 - 38 M.P.H.
% In Pace	79%
# Of Vehicles	105
Posted Speed Limit	35 M.P.H.
New Speed Limit	35 M.P.H.
Accident Rate(Acc/MVM)=	1.06 State Rate= 3.05
Performed By	Jim Escutia
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager R.T.E. 1651	
Remarks	

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFC Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
		City of Huntington Beach CA Public Works Department

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CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	3	0	3	0	3
56	0	1	0	1	1
55	2	0	2	0	2
54	0	1	0	1	1
53	0	1	0	1	1
52	2	3	2	3	5
51	3	1	3	1	4
50	3	3	3	3	6
49	4	1	4	1	5
48	3	0	3	0	3
47	3	3	3	3	6
46	3	4	3	4	7
45	2	5	2	5	7
44	5	6	5	6	11
43	2	3	2	3	5
42	5	1	5	1	6
41	0	5	0	5	5
40	8	5	8	5	13
39	3	2	3	2	6
38	1	2	1	2	3
37	0	0	0	0	0
36	1	1	1	1	2
35	1	2	1	2	4
34	0	1	0	1	1
33	0	1	0	1	1
32	0	0	0	0	0
31	0	0	0	0	0
30	0	0	0	0	0
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed ADAMS AVENUE

Between BEACH BLVD. TO MAGNOLIA

Date Surveyed 6-1-10

Time Surveyed 9:10AM to 9:25AM

85th % 50 M.P.H.

Pace 38 - 47 M.P.H.

% In Pace 65%

Of Vehicles 109

Posted Speed Limit 45 M.P.H.

New Speed Limit 45 M.P.H.

Accident Rate(Acc/MVM)= 0.67 State Rate= 2.40

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

Several commercial access locations exist along this segment resulting in significant cross traffic with limited visibility at intersecting streets. These conditions may not be readily apparent to motorists. The surveyed pace of this segment indicates posting a speed of 45 mph would facilitate the orderly movement of traffic which is reasonable and safe.

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCD Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
		City of Huntington Beach CA Public Works Department

G-1²¹

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	1	1	1	1	2
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	1	0	1	1
52	1	2	1	2	3
51	2	3	2	3	5
50	1	2	1	2	3
49	5	5	5	5	10
48	4	7	4	7	11
47	3	6	3	6	9
46	4	3	4	3	7
45	10	3	10	3	13
44	8	6	8	6	14
43	3	4	3	4	7
42	7	1	7	1	8
41	5	3	5	3	8
40	3	4	3	4	7
39	1	2	2	2	4
38	0	4	0	4	4
37	0	1	0	1	1
36	0	0	0	0	0
35	1	1	1	1	2
34	0	1	0	1	1
33	1	0	1	0	1
32	0	3	0	3	3
31	0	0	0	0	0
30	0	0	0	0	0
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	ADAMS AVENUE
Between	MAGNOLIA ST. TO BROOKHURST ST.
Date Surveyed	6-1-10
Time Surveyed	9:35AM to 9:50AM
85th %	48 M.P.H.
Pace	40 - 49 M.P.H.
% In Pace	76%
# Of Vehicles	124
Posted Speed Limit	45 M.P.H.
New Speed Limit	45 M.P.H.
Accident Rate(Acc/MVM)=	1.12 State Rate= 2.40
Performed By	Jim Escutia
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager	
R.T.E. 1651	
Remarks	Several commercial access driveways exist along this segment with cross traffic along with intersecting residential streets with visibility limitations, adjacent streets segments posted 45 mph. A posted speed limit of 45 mph along this segment would be reasonable and safe to facilitate the orderly flow of traffic.

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
	City of Huntington Beach CA	Public Works Department

G-1 22

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	1	0	1	1
55	0	0	0	0	0
54	2	0	2	0	2
53	0	0	0	0	0
52	2	1	2	1	3
51	2	2	2	2	4
50	2	1	2	1	3
49	9	4	9	4	13
48	2	4	2	4	6
47	9	6	9	6	15
46	1	8	1	8	9
45	3	5	3	5	8
44	4	4	4	4	8
43	6	4	6	4	10
42	5	5	5	5	10
41	4	4	4	4	8
40	1	3	1	3	4
39	1	1	1	1	2
38	0	2	0	2	2
37	0	0	0	0	0
36	0	1	0	1	1
35	1	0	1	0	1
34	0	1	0	1	1
33	1	0	1	0	1
32	1	0	1	0	1
31	1	0	1	0	1
30	0	1	0	1	1
29	0	1	0	1	1
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed **ADAMS AVENUE**

Between **Brookhurst St. to East City Limits**

Date Surveyed **6-1-10**

Time Surveyed **9:55AM to 10:10AM**

85th % **48 M.P.H.**

Pace **40 - 49 M.P.H.**

% In Pace **78%**

Of Vehicles **116**

Posted Speed Limit **45 M.P.H.**

New Speed Limit **45 M.P.H.**

Accident Rate(Acc/MVM)= **2.01** State Rate= **2.40**

Performed By **Jim Escutia**

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

Full access commercial driveways exist along the west portion of this segment with significant crossing traffic, intersecting residential streets have visibility limitations, east of the City of Huntington Beach limits the City of Costa Mesa has posted a speed of 45 mph based on an engineering survey, because of these reasons a posted speed limited of 45 mph would be reasonable and safe to facility the orderly movement of traffic.

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCD Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach CA	Public Works Department	

G-123

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	1	0	1	1
53	0	0	0	0	0
52	0	0	0	0	0
51	1	0	1	0	1
50	0	0	0	0	0
49	0	1	0	1	1
48	0	1	0	1	1
47	0	1	0	1	1
46	0	2	0	2	2
45	1	4	1	4	5
44	1	3	1	3	4
43	8	4	8	4	12
42	4	6	4	6	10
41	3	3	3	3	6
40	6	8	6	8	14
39	2	4	2	4	6
38	2	5	2	5	7
37	6	5	6	5	11
36	2	2	2	2	4
35	4	6	4	6	10
34	2	2	2	2	4
33	3	1	3	1	4
32	3	3	3	3	6
31	4	2	4	2	6
30	2	2	2	2	4
29	0	0	0	0	0
28	2	0	2	0	2
27	0	0	0	0	0
26	0	1	0	1	1
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	1	0	1	0	1
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	ATLANTA AVENUE
Between	BEACH BLVD. TO DELAWARE
Date Surveyed	6-1-10
Time Surveyed	1:40PM to 1:55PM
85th %	42 M.P.H.
Pace	35 - 44 M.P.H.
% In Pace	68%
# Of Vehicles	124
Posted Speed Limit	35 M.P.H.
New Speed Limit	40 M.P.H.
Accident Rate(Acc/MVM)=	0.96 State Rate= 3.05
Performed By	0
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager	
R.T.E. 1651	
Remarks	

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.		
This document is a correct copy of the original in the PW Dept.		
Date	Sign	Title
		City of Huntington Beach CA Public Works Department

G-125

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	1	0	1	0	1
55	0	0	0	0	0
54	0	0	0	0	0
53	0	1	0	1	1
52	0	0	0	0	0
51	0	0	0	0	0
50	1	1	1	1	2
49	0	0	0	0	0
48	0	1	0	1	1
47	0	0	0	0	0
46	0	0	0	0	0
45	1	1	1	1	2
44	1	0	1	0	1
43	2	1	2	1	3
42	2	0	2	0	2
41	3	6	3	6	9
40	8	12	8	12	20
39	2	6	2	6	8
38	6	8	6	8	14
37	6	2	6	2	8
36	3	6	3	6	9
35	6	1	6	1	7
34	2	3	2	3	5
33	3	1	3	1	4
32	2	2	2	2	4
31	0	0	0	0	0
30	0	1	0	1	1
29	4	2	4	2	6
28	2	1	2	1	3
27	0	0	0	0	0
26	1	0	1	0	1
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Atlanta Avenue

Between Beach to Newland

Date Surveyed 8-12-10

Time Surveyed 1:40PM to 1:55PM

85th % 40 M.P.H.

Pace 32 - 41 M.P.H.

% In Pace 79%

Of Vehicles 112

Posted Speed Limit 40 M.P.H.

New Speed Limit 40 M.P.H.

Accident Rate(Acc/MVM)= 1.42 State Rate= 3.35

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCD Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date _____ Sign _____ Title _____

City of Huntington Beach CA Public Works Department

G-126

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	1	0	1	0	1
48	1	3	1	3	4
47	0	0	0	0	0
46	3	0	3	0	3
45	2	3	2	3	5
44	3	4	3	4	7
43	3	6	3	6	9
42	4	4	4	4	8
41	7	4	7	4	11
40	7	6	7	6	13
39	3	5	3	5	8
38	4	0	5	0	9
37	4	3	5	8	13
36	6	3	6	3	14
35	3	3	3	3	6
34	3	0	3	0	3
33	3	1	1	1	2
32	2	2	2	2	4
31	0	0	0	0	0
30	0	2	0	2	2
29	0	0	0	0	0
28	0	0	0	0	0
27	0	1	0	1	1
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	1	0	1	1
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed ATLANTA

Between NEWLAND TO MAGNOLIA

Date Surveyed 6-1-10

Time Surveyed 2:15 PM to 2:30 PM

85th % 43 M.P.H.

Pace 35 - 44 M.P.H.

% In Pace 78%

Of Vehicles 117

Posted Speed Limit 45 M.P.H.

New Speed Limit 45 M.P.H.

Accident Rate(Acc/MVM)= 0.11 State Rate= 3.35

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date Sign Title

City of Huntington Beach CA Public Works Department

G-129

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	1	0	1	1
54	3	0	3	0	3
53	1	0	1	0	1
52	2	0	2	0	2
51	0	0	0	0	0
50	0	0	0	0	0
49	2	2	2	2	4
48	7	2	7	2	9
47	5	1	5	1	6
46	5	8	5	8	13
45	5	5	5	5	10
44	5	6	5	6	11
43	3	8	3	8	11
42	6	9	6	9	15
41	3	2	3	2	5
40	3	5	3	5	8
39	5	3	5	3	8
38	0	1	0	1	1
37	1	2	1	2	3
36	3	0	3	0	3
35	5	3	5	3	8
34	3	0	3	0	3
33	0	0	0	0	0
32	0	1	0	1	1
31	0	0	0	0	0
30	0	1	0	1	1
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	ATLANTA
Between	MAGNOLIA TO BROOKHURST
Date Surveyed	6/1/10
Time Surveyed	2:35 PM to 2:45 PM
85th %	47 M.P.H.
Pace	39 - 48 M.P.H.
% In Pace	77%
# Of Vehicles	125
Posted Speed Limit	45 M.P.H.
New Speed Limit	45 M.P.H.
Accident Rate(Acc/MVM)=	0.97 State Rate= 3.35
Performed By	Jim Escutia
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager	
R.T.E. 1651	
Remarks	

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCO Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
		City of Huntington Beach CA Public Works Department

G-128

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	1	0	1	0	1
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	1	0	1	0	1
50	1	1	1	1	2
49	1	0	1	0	1
48	3	2	3	2	5
47	2	3	2	3	5
46	2	2	2	2	4
45	8	9	8	9	17
44	9	8	9	8	17
43	4	3	4	3	7
42	7	6	7	6	13
41	8	5	8	5	13
40	2	3	2	3	5
39	0	0	0	0	0
38	0	0	0	0	0
37	0	0	0	0	0
36	0	0	0	0	0
35	0	0	0	0	0
34	0	0	0	0	0
33	0	0	0	0	0
32	0	0	0	0	0
31	0	0	0	0	0
30	0	0	0	0	0
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Bolsa Avenue

Between Springdale to Edwards

Date Surveyed 6-21-10

Time Surveyed 2:55PM to 3:05PM

85th % 45 M.P.H.

Pace 36 - 45 M.P.H.

% In Pace 81%

Of Vehicles 125

Posted Speed Limit 45 M.P.H.

New Speed Limit 45 M.P.H.

Accident Rate(Acc/MVM)= 0.71 State Rate= 2.40

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach	CA	Public Works Department

6-1²⁹

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	0	0	0	0	0
48	0	0	0	0	0
47	0	1	0	1	1
46	1	0	1	0	1
45	0	1	0	1	1
44	1	1	1	1	2
43	2	3	2	3	5
42	8	6	8	6	14
41	5	4	5	4	9
40	5	4	5	4	9
39	3	5	3	5	8
38	4	9	5	9	14
37	3	5	3	5	8
36	5	4	5	4	9
35	2	3	2	3	5
34	3	2	3	2	5
33	3	2	3	2	5
32	4	5	4	5	9
31	3	2	3	2	5
30	0	0	0	0	0
29	1	0	1	0	1
28	1	0	1	0	1
27	0	1	0	1	1
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Bolsa Avenue

Between Edwards to Goldenwest

Date Surveyed 9-05-10

Time Surveyed 2:00PM to 2:15PM

85th % 41 M.P.H.

Pace 34 - 43 M.P.H.

% In Pace 76%

Of Vehicles 113

Posted Speed Limit 40 M.P.H.

New Speed Limit 40 M.P.H.

Accident Rate(Acc/MVM)= 0.71 State Rate= 2.40

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach CA	Public Works Department	

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	0	0	0	0	0
48	0	0	0	0	0
47	0	0	0	0	0
46	0	0	0	0	0
45	0	0	0	0	0
44	0	0	0	0	0
43	0	0	0	0	0
42	0	0	0	0	0
41	0	0	0	0	0
40	0	0	0	0	0
39	0	0	0	0	0
38	0	0	0	0	0
37	0	0	0	0	0
36	1	0	1	0	1
35	0	2	0	2	2
34	1	1	1	1	2
33	2	1	2	1	3
32	2	1	2	1	3
31	6	7	6	7	13
30	10	9	10	9	19
29	7	6	7	6	13
28	3	7	3	7	10
27	7	5	7	5	12
26	3	5	3	5	8
25	4	5	4	5	9
24	5	4	5	4	9
23	4	6	4	6	10
22	2	3	2	3	5
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Bolsa Chica Street

Between South City Limit to Los Patos

Date Surveyed 9-16-10

Time Surveyed 1:40PM to 2:15PM

85th % 30 M.P.H.

Pace 22 - 31 M.P.H.

% In Pace 91%

Of Vehicles 119

Posted Speed Limit N/A M.P.H.

New Speed Limit 30 M.P.H.

Accident Rate(Acc/MVM)= 2.42 State Rate= 3.05

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
		City of Huntington Beach CA Public Works Department

G-131

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	0	0	0	0	0
48	0	0	0	0	0
47	0	0	0	0	0
46	0	0	0	0	0
45	0	0	0	0	0
44	0	0	0	0	0
43	0	0	0	0	0
42	0	0	0	0	0
41	1	0	1	0	1
40	1	1	1	1	2
39	0	1	0	1	1
38	0	1	0	1	1
37	2	0	2	0	2
36	4	1	4	1	5
35	3	2	3	2	5
34	3	6	3	6	9
33	5	4	5	4	9
32	3	5	3	5	8
31	5	3	5	3	8
30	3	6	3	6	9
29	6	10	6	10	16
28	7	4	7	4	11
27	2	4	2	4	6
26	5	5	5	5	10
25	3	3	3	3	6
24	1	0	1	0	1
23	0	0	0	0	0
22	1	1	1	1	2
21	0	0	0	0	0
20	0	1	0	1	1
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	Bolsa Chica Street
Between	Los Patos to Warner
Date Surveyed	6-28-10
Time Surveyed	3:00PM to 1:55PM
85th %	34 M.P.H.
Pace	25 - 34 M.P.H.
% In Pace	82%
# Of Vehicles	118
Posted Speed Limit	30 M.P.H.
New Speed Limit	35 M.P.H.
Accident Rate(Acc/MVM)=	2.42 State Rate= 3.05
Performed By	Jim Escutia
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager	
R.T.E. 1651	
Remarks	

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach CA	Public Works Department	

G-132

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	1	1	1	1	2
53	1	0	1	0	1
52	1	0	1	0	1
51	1	3	1	3	4
50	2	2	2	2	4
49	3	1	3	1	4
48	3	3	3	3	6
47	7	0	7	0	7
46	5	6	5	6	11
45	8	3	8	3	11
44	5	7	5	7	12
43	6	3	6	3	9
42	3	2	3	2	5
41	6	3	6	3	9
40	0	3	0	3	3
39	6	6	6	6	12
38	3	5	3	5	8
37	2	4	2	4	6
36	0	5	0	5	5
35	0	0	0	0	0
34	2	0	2	0	2
33	0	0	0	0	0
32	0	0	0	0	0
31	0	0	0	0	0
30	1	0	1	0	1
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Bolsa Chica Street

Between Warner to Edinger

Date Surveyed 6-28-10

Time Surveyed 10:15AM to 10:30AM

85th % 47 M.P.H.

Pace 38 - 47 M.P.H.

% In Pace 72%

Of Vehicles 121

Posted Speed Limit 45 M.P.H.

New Speed Limit 45 M.P.H.

Accident Rate(Acc/MVM)= 0.91 State Rate= 2.40

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach CA	Public Works Department	

6-133

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	0	0	0	0	0
50	0	0	0	0	0
49	0	0	0	0	0
48	0	0	0	0	0
47	0	0	0	0	0
46	0	0	0	0	0
45	0	0	0	0	0
44	0	0	0	0	0
43	1	0	1	0	1
42	0	0	0	0	0
41	0	0	0	0	0
40	0	1	0	1	1
39	1	0	1	0	1
38	2	2	2	2	4
37	3	3	3	3	6
36	4	4	4	4	8
35	5	5	5	5	10
34	6	6	6	6	12
33	7	7	7	7	14
32	8	8	8	8	16
31	9	9	9	9	18
30	10	10	10	10	20
29	11	11	11	11	22
28	12	12	12	12	24
27	13	13	13	13	26
26	14	14	14	14	28
25	15	15	15	15	30
24	16	16	16	16	32
23	17	17	17	17	34
22	18	18	18	18	36
21	19	19	19	19	38
20	20	20	20	20	40
19	21	21	21	21	42
18	22	22	22	22	44
17	23	23	23	23	46
16	24	24	24	24	48
15	25	25	25	25	50
14	26	26	26	26	52
13	27	27	27	27	54
12	28	28	28	28	56
11	29	29	29	29	58
10	30	30	30	30	60

Street Surveyed	Delaware Street
Between	Garfield to Ellis
Date Surveyed	9-16-10
Time Surveyed	10:15PM to 10:45PM
85th %	35 M.P.H.
Pace	29 - 38 M.P.H.
% In Pace	92%
# Of Vehicles	110
Posted Speed Limit	35 M.P.H.
New Speed Limit	35 M.P.H.
Accident Rate(Acc/MVM)=	1.27 State Rate= 3.05
Performed By	Jim Escutia

Approved: City Of Huntington Beach
Date:
Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFC Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title

City of Huntington Beach CA Public Works Department

G-134

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	1	0	1	0	1
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	1	0	1	0	1
50	1	1	1	1	2
49	1	0	1	0	1
48	3	2	3	2	5
47	2	3	2	3	5
46	2	2	2	2	4
45	8	9	8	9	17
44	9	8	9	8	17
43	4	3	4	3	7
42	7	6	7	6	13
41	8	5	8	5	13
40	2	3	2	3	5
39	0	3	0	3	3
38	7	6	7	6	13
37	3	5	2	5	7
36	3	3	3	3	6
35	0	0	0	0	0
34	1	0	1	0	1
33	1	0	1	0	1
32	0	0	0	0	0
31	0	0	0	0	0
30	1	2	1	2	3
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Bolsa Avenue

Between Springdale to Goldenwest

Date Surveyed 6-21-10

Time Surveyed 2:55PM to 3:05PM

85th % 45 M.P.H.

Pace 36 - 45 M.P.H.

% In Pace 81%

Of Vehicles 125

Posted Speed Limit 45 M.P.H.

New Speed Limit 45 M.P.H.

Accident Rate(Acc/MVM)= 0.71 State Rate= 2.40

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date _____ Sign _____ Title _____

City of Huntington Beach CA Public Works Department

G-136

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	1	0	1
53	0	0	0	0	0
52	0	0	0	0	0
51	0	1	0	1	1
50	0	0	0	0	0
49	1	1	1	1	2
48	2	0	2	0	2
47	0	1	0	1	1
46	1	0	1	0	1
45	6	3	6	3	9
44	3	3	3	3	6
43	5	3	5	3	8
42	8	5	8	5	13
41	7	1	7	1	8
40	5	7	5	7	12
39	7	9	7	9	16
38	5	3	3	3	6
37	9	8	9	8	17
36	3	1	3	1	4
35	1	1	1	1	2
34	1	2	1	2	3
33	2	5	2	5	7
32	0	1	0	1	1
31	0	0	0	0	0
30	0	0	0	0	0
29	0	0	0	0	0
28	0	1	0	1	1
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed **Edinger Avenue**

Between **Goldenwest to Beach**

Date Surveyed **6-28-10**

Time Surveyed **1:40PM to 1:50PM**

85th % **44 M.P.H.**

Pace **36 - 45 M.P.H.**

% In Pace **82%**

Of Vehicles **121**

Posted Speed Limit **40 M.P.H.**

New Speed Limit **45 M.P.H.**

Accident Rate(Acc/MVM)= **1.79** State Rate= **2.40**

Performed By **Jim Escutia**

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCD Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date Sign Title
City of Huntington Beach CA Public Works Department

G-1³⁷

CITY OF HUNTINGTON BEACH, CA

Traffic Engineering Speed Survey

MPH	EB	WB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	1	0	1	0	1
51	0	0	0	0	0
50	2	0	2	0	2
49	0	0	0	0	0
48	4	3	4	3	7
47	3	5	3	5	8
46	6	0	6	0	6
45	2	6	2	6	8
44	3	5	3	5	8
43	1	4	1	4	5
42	6	4	6	4	10
41	3	4	3	4	7
40	4	0	4	0	4
39	1	6	1	6	8
38	1	5	1	5	7
37	1	5	1	5	7
36	1	1	1	1	2
35	2	3	2	3	5
34	1	1	1	1	2
33	1	2	1	2	3
32	1	0	1	0	1
31	1	1	1	1	2
30	0	1	0	1	1
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	0	0	0	0	0
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed	Edinger Avenue
Between	Beach to Newland
Date Surveyed	6-28-10
Time Surveyed	11:00AM to 11:15AM
85th %	46 M.P.H.
Pace	37 - 46 M.P.H.
% In Pace	69%
# Of Vehicles	111
Posted Speed Limit	40 M.P.H.
New Speed Limit	40 M.P.H.
Accident Rate(Acc/MVM)=	1.74 State Rate= 3.35
Performed By	Jim Escutia
Approved: City Of Huntington Beach	
Date:	
Robert Stachelski, Transportation Manager	
R.T.E. 1651	
Remarks	This street segment is shared with the City of Westminster. On-street parking exists on the eastern half along the south side. Visibility limitations related to design speed due to the vertical curve, and a full access driveway to a residential complex located on the south side exists. These conditions may not be readily apparent, therefore a 5 mph reduction is applied for a posted speed limit of 40 mph to facilitate the safe and orderly flow of traffic.

- # of Lanes Two Three Four Six Other
- Median Raised Painted Painted Center Line
- Bike Lanes Yes No
- Grading Flat Sloped OCFCD Channel
- Parking Yes No
- Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.		
This document is a correct copy of the original in the PW Dept.		
Date	Sign	Title
City of Huntington Beach CA	Public Works Department	

G-138

CITY OF HUNTINGTON BEACH, CA
Traffic Engineering Speed Survey

MPH	NB	SB	#	#	TOTAL
60	0	0	0	0	0
59	0	0	0	0	0
58	0	0	0	0	0
57	0	0	0	0	0
56	0	0	0	0	0
55	0	0	0	0	0
54	0	0	0	0	0
53	0	0	0	0	0
52	0	0	0	0	0
51	1	0	1	0	1
50	1	0	1	0	1
49	2	5	2	5	7
48	2	1	2	1	3
47	1	0	1	0	1
46	5	3	5	3	8
45	7	8	7	8	15
44	7	6	7	6	13
43	4	6	4	6	10
42	3	6	3	6	9
41	4	4	4	4	8
40	0	5	0	5	5
39	0	5	0	5	5
38	3	6	3	6	9
37	3	4	3	4	7
36	4	3	4	3	7
35	3	3	3	3	6
34	0	1	0	1	1
33	3	0	3	0	3
32	0	0	0	0	0
31	0	2	0	2	2
30	0	0	0	0	0
29	0	0	0	0	0
28	0	0	0	0	0
27	0	0	0	0	0
26	0	0	0	0	0
25	1	0	1	0	1
24	0	0	0	0	0
23	0	0	0	0	0
22	0	0	0	0	0
21	0	0	0	0	0
20	0	0	0	0	0
19	0	0	0	0	0
18	0	0	0	0	0
17	0	0	0	0	0
16	0	0	0	0	0
15	0	0	0	0	0
14	0	0	0	0	0
13	0	0	0	0	0
12	0	0	0	0	0
11	0	0	0	0	0
10	0	0	0	0	0

Street Surveyed Edwards Street

Between Bolsa to North City Limit

Date Surveyed 6-23-10

Time Surveyed 10:20AM to 10:40AM

85th % 45 M.P.H.

Pace 37 - 46 M.P.H.

% In Pace 75%

Of Vehicles 130

Posted Speed Limit 40 M.P.H.

New Speed Limit 40 M.P.H.

Accident Rate(Acc/MVM)= 0.31 State Rate= 3.35

Performed By Jim Escutia

Approved: City Of Huntington Beach

Date:

Robert Stachelski, Transportation Manager
R.T.E. 1651

Remarks
This street is almost entirely within the City of Westminster, which has posted a speed limit of 40 mph based on a traffic and engineering survey. The street segment fronts a regional shopping mall with transit operations and pedestrian activity which may not be readily apparent. Posted speed limit of 40 mph would be consistent with City of Westminster posted speed limit and would facilitate the safe and orderly movement of traffic.

of Lanes Two Three Four Six Other

Median Raised Painted Painted Center Line

Bike Lanes Yes No

Grading Flat Sloped OCFCO Channel

Parking Yes No

Land Use Commercial Industrial Residential

Complete section below to certify a copy of this original survey.

This document is a correct copy of the original in the PW Dept.

Date	Sign	Title
City of Huntington Beach	CA	Public Works Department

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