

## ORDINANCE NO. 07-2020

### AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ELK GROVE AMENDING ELK GROVE MUNICIPAL CODE CHAPTER 10.48 (SPEED ZONES) TO ESTABLISH THE SPEED LIMIT ON VARIOUS ROADS

**WHEREAS**, with certain exceptions for prima facie speed limits for certain roadways, the California Vehicle Code (CVC) requires speed limits to be set by ordinance on the basis of an Engineering and Traffic Survey; and

**WHEREAS**, the California Vehicle Code (CVC) section 22358 allows Local Agencies to decrease local speed limits by ordinance; and

**WHEREAS**, the City's Traffic Engineer, consistent with state law, has performed an engineering and traffic survey on all the streets listed below for addition or revision, and such surveys on all the streets listed below for addition or revision are attached hereto as Exhibits A through F, and incorporated herein by reference; and

**WHEREAS**, in order for law enforcement use of radar and lidar to enforce speed limits, a new speed limit must be set and posted in conformance with the new Engineering and Traffic Survey.

**NOW, THEREFORE**, the City Council of the City of Elk Grove does ordain as follows:

#### Section 1: Purpose and Authority

The purpose of this Ordinance is to amend the Elk Grove Municipal Code Chapter 10.48 Speed Zones to establish speed limits on Big Horn Boulevard, Black Swan Road, Bruceville Road, Power Inn Road, and Whitelock Parkway .

#### Section 2: Findings

On March 11, 2020, the City Council of the City of Elk Grove reviewed and considered the Engineering and Traffic Survey and related information, attached hereto as Exhibits A through F, and incorporated herein by reference. Copies are also on file with the City's Department of Public Works.

Based on the review of the Engineering and Traffic Speed Surveys, the City Council finds the most appropriate speed limit to facilitate the orderly movement of traffic which is reasonable and safe on the following roads to be as follows:

- Big Horn Boulevard between Elk Grove Boulevard and Whitelock Parkway is 45 MPH
- Black Swan Drive from Elk Grove Boulevard to Red Spruce Way is 30 MPH
- Bruceville Road between Elk Grove Boulevard and Bilby Road is 45 MPH
- Power Inn Road from Sheldon Road to Geneva Pointe Road is 40 MPH
- Whitelock Parkway from Franklin Boulevard to Big Horn Boulevard is 45 MPH
- Whitelock Parkway from Big Horn Boulevard to W. Stockton Boulevard is 45 MPH

Section 3: Declaration of Speed Limits

The City Council hereby declares that the speed limits be set in accordance with the findings and recommendations provided in Section 2 above.

Section 4: Direction to City Engineer

On or after the effective date of this ordinance, the City Engineer is directed to clearly post, or cause to be posted, speed limit signs effectuating Section 2, above, to give notice that this ordinance is in effect.

Section 5: Amendment to Elk Grove Municipal Code Section 10.48.020(D)(11)

*Additions are shown in **bold**; deletions are shown in ~~strikethrough~~*

Section 10.48.020 of the Elk Grove Municipal shall be amended to read as follows:

**10.48.020 Speed limits.**

...

B. A speed limit of thirty (30 mph) miles per hour shall apply to the following streets:

...

**6. Black Swan Drive from Elk Grove Boulevard to Red Spruce Way;**

~~67.~~ Coop Drive between Franklin High Road and Bilby Road;

~~78.~~ Corfu Drive between Atlantis Drive and Excelsior Road;

~~89.~~ Cresleigh Parkway/Alesandria Drive between Elk Grove Boulevard and Bellaterra Drive;

~~910.~~ East Park Drive between Elk Grove Boulevard and West End Drive;

~~4011.~~ Fire Poppy Drive between Elk Grove Boulevard and Bellaterra Drive;

~~4412.~~ Foulks Ranch Drive between Elk Grove Boulevard and Laguna Park Drive;

~~4213.~~ Four Winds Drive between Elk Grove Boulevard and Babson Drive;

~~4314.~~ Franklin High Road between Whitelock Parkway West and Whitelock Parkway East;

~~4415.~~ Gilliam Way between Bilby Road and McClean Drive;

~~4516.~~ Kilconnell Drive between Bruceville Road and Foulks Ranch Drive;

~~4617~~. Laguna Park Drive between Franklin Boulevard and Laguna Boulevard;

~~4718~~. Laguna Park Drive between Laguna Boulevard East and Laguna Boulevard West;

~~4819~~. Machado Ranch Drive between Bruceville Road and Franklin High Road;

~~4920~~. Pleasant Grove School Road between Bader Road and Grant Line Road;

~~20~~. Power Inn Road between Sheldon Road and Geneva Pointe Road;

21. Seasons Drive between Bruceville Road and Laguna Park Drive;

22. Soaring Oaks Drive between Bruceville Road and Bruceville Road;

23. Springhurst Drive between Sheldon Road and West Camden Drive;

24. Stonebrook Drive between East Park Drive and Bond Road;

25. Terrazzo Drive between Bruceville Road and Bellaterra Drive;

26. Trenholm Drive between Laguna Boulevard and Soaring Oaks Drive;

27. West Camden Drive between Elk Grove Florin Road and Springhurst Drive;

28. Wymark Drive between Soaring Oaks Drive and Elk Grove Boulevard.

C. A speed limit of thirty-five (35 mph) miles per hour shall apply to the following streets:

...

~~26~~. Whitelock Parkway between Franklin Boulevard and Bruceville Road;

~~27~~. Whitelock Parkway between Bruceville Road and W. Stockton Boulevard;

~~2826~~. Wymark Drive between Elk Grove Boulevard and Civic Center Drive.

D. A speed limit of forty (40 mph) miles per hour shall apply to the following streets:

...

~~64~~. Bruceville Road between Elk Grove Boulevard and Sheldon Road;

~~75~~. E. Stockton Boulevard between Bond Road and Emerald Vista Drive;

~~86~~. E. Stockton Boulevard between Bond Road and Sheldon Road;

~~97~~. E. Stockton Boulevard between Grant Line Road and Elk Grove Boulevard;

~~408~~. Elk Grove Boulevard between Bradshaw Road and Grant Line Road;

~~419~~. Hampton Oak Drive between E. Stockton Boulevard and a point three hundred fifty (350' 0") feet east of Westpark Drive;

~~4210~~. Harbour Point Drive between Elk Grove Boulevard and Laguna Boulevard;

~~4311~~. Lent Ranch Parkway between Kammerer Road and Promenade Parkway;

**12. Power Inn Road between Sheldon Road to Geneva Pointe Road**

~~4413~~. Sheldon Road between Bruceville Road and State Route 99;

~~4514~~. Sheldon Road between State Route 99 and Elk Grove-Florin Road;

~~4615~~. Sheldon Road between Elk Grove-Florin Road and Grant Line Road;

~~4716~~. W. Stockton Boulevard between Laguna Springs and a point four thousand one hundred fifty (4,150' 0") feet south of Laguna Springs Drive.

E. A speed limit of forty-five (45 mph) miles per hour shall apply to the following streets:

...

**3. Big Horn Boulevard between Elk Grove Boulevard and Whitelock Parkway;**

~~34~~. Bruceville Road between Bilby Road and Kammerer Road;

**5. Bruceville Road between Elk Grove Boulevard and Bilby Road;**

~~46~~. Bradshaw Road between Elk Grove Boulevard and Grant Line Road;

~~57~~. Bond Road between Waterman Road and Elk Grove-Florin Road;

~~68~~. Bond Road between Elk Grove-Florin Road and State Route 99;

~~79~~. Bond Road between Waterman Road and Bradshaw Road;

~~810~~. Bond Road between Bradshaw Road and Grant Line Road;

~~911~~. E. Stockton Boulevard between Sheldon Road and Geneva Point Drive;

~~4012~~. Elk Grove Boulevard between Harbour Point Drive and Franklin Boulevard;

~~4113~~. Elk Grove Boulevard between Franklin Boulevard Bruceville Road;

~~4214~~. Elk Grove Boulevard between Bruceville Road and Laguna Springs Drive;

~~4315~~. Elk Grove-Florin Road between Bond Road and Calvine Road;

- 4416. Excelsior Road between Sheldon Road and Calvine Road;
- 4517. Franklin Boulevard between Laguna Boulevard and Sacramento city limits;
- 4618. Franklin Boulevard between Laguna Boulevard and Elk Grove Boulevard;
- 4719. Franklin Boulevard between Elk Grove Boulevard and Whitelock Parkway;
- 4820. Grant Line Road between Bond Road and six hundred fifty (650' 0") feet south of Equestrian Drive;
- 4921. Grant Line Road between Sheldon Woods Way and City limits (north);
- 2022. Laguna Boulevard between Harbour Point and Franklin Road;
- 2423. Laguna Boulevard between Franklin Road and Bruceville Road;
- 2224. Laguna Boulevard between Bruceville Road and State Route 99;
- 2325. Promenade Parkway between Kammerer Road and W. Stockton Boulevard;
- 2426. Waterman Road between Calvine Road and Sheldon Road;
- 2527. Waterman Road between Sheldon Road and Bond Road;
- 2628. Waterman Road between Bond Road and Rancho Drive;
- 2729. Waterman Road between Dino Drive and Grant Line Road;
- 30. Whitelock Parkway between Franklin Boulevard/Willard Parkway to W. Stockton Boulevard**
- 2831. Willard Parkway between Whitelock Parkway and Bilby Road;

Section 6: No Mandatory Duty of Care.

This ordinance is not intended to and shall not be construed or given effect in a manner that imposes upon the City or any officer or employee thereof a mandatory duty of care towards persons and property within or without the City, so as to provide a basis of civil liability for damages, except as otherwise imposed by law.

Section 7: Severability.

If any provision of this ordinance or the application thereof to any person or circumstances is held invalid, such invalidity shall not affect other provisions or applications of the ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are severable. This City Council hereby declares that it would have adopted this ordinance irrespective of the invalidity of any particular portion thereof and intends that the invalid portions should be severed and the balance of the ordinance be enforced.

Section 8: Savings Clause

The provisions of this ordinance shall not affect or impair an act done or right vested or approved or any proceeding, suit or prosecution had or commenced in any cause before such repeal shall take effect; but every such act done, or right vested or accrued, or proceeding, suit or prosecution shall remain in full force and affect to all intents and purposes as if such ordinance or part thereof so repealed had remained in force. No offense committed and no liability, penalty or forfeiture, either civilly or criminally incurred prior to the time when any such ordinance or part thereof shall be repealed or altered by said Code shall be discharged or affected by such repeal or alteration; but prosecutions and suits for such offenses, liabilities, penalties or forfeitures shall be instituted and proceeded with in all respects as if such prior ordinance or part thereof had not been repealed or altered.

Section 9: Effective Date and Publication

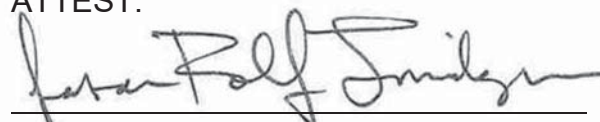
This Ordinance shall take effect thirty (30) days after its adoption. In lieu of publication of the full text of the ordinance within fifteen (15) days after its passage, a summary of the ordinance may be published at least five (5) days prior to and fifteen (15) days after adoption by the City Council and a certified copy shall be posted in the office of the City Clerk, pursuant to GC 36933(c)(1).

**ORDINANCE:**       **07-2020**  
INTRODUCED:       March 11, 2020  
ADOPTED:           March 25, 2020  
EFFECTIVE:         April 24, 2020



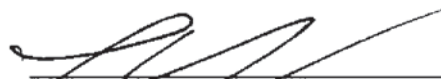
\_\_\_\_\_  
STEVE LY, MAYOR of the  
CITY OF ELK GROVE

ATTEST:



\_\_\_\_\_  
JASON LINDGREN, CITY CLERK

APPROVED AS TO FORM:



\_\_\_\_\_  
JONATHAN P. HOBBS,  
CITY ATTORNEY

Signed: \_\_\_\_\_ March 27, 2020



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
Big Horn Boulevard  
from Elk Grove Blvd to Whitelock Pkwy

**Discussion:**

Big Horn Boulevard from Elk Grove Boule is a 4 lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential, school and commercial. The road has class II bikeways. There are sidewalks on both sides of the roadway.

The road is currently posted at 40 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Big Horn Boulevard on 10/16/2019. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 7/1/2017 to 6/30/2019 the collision rate for this segment of Big Horn Boulevard was 1.89 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.46 coll/MVM.

Rounding Down:

Typically, the speed limit would be rounded to the nearest 5 mph increment however California Vehicle Code section 21400 (b) allows for the speed limit to be rounded down instead. If the option to do this is taken, then the local authority shall not reduce the speed limit any further for any reason.

**Recommendation:**

Increase the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded down to the nearest 5 MPH increment

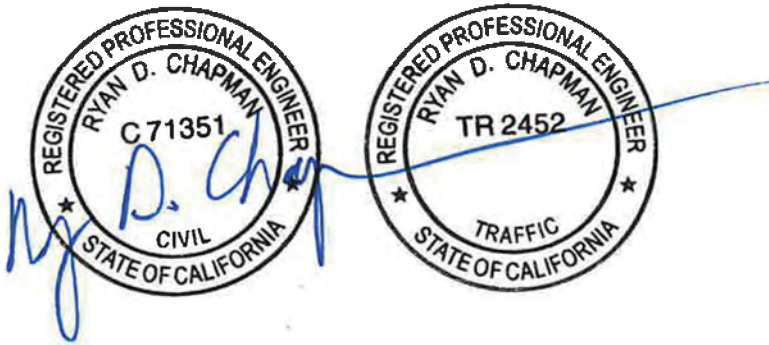
**ESTABLISHED  
SPEED LIMIT  
45 MPH**

**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.  
Date: 1/30/2020

Attachment – Vehicle Speed Survey Sheet  
Map





**STREET NAME: Big Horn Boulevard**  
 FROM: Elk Grove Boulevard  
 TO: Whitlock Parkway

- LEGENDS:**
- Signalized Intersection
  - All Way Stop
  - Stop Sign (2-Way)
  - Stop Sign (1-way)
  - Speed Hump
  - Traffic Circle
  - R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	49 MPH
Average Speed	43.2 MPH
10 mph Pace	38 MPH - 47 MPH
Percent in Pace	68.6%

COLLISION RATE	1.89
7/1/2017 - 6/30/2019	COLL/MVM

AVERAGE DAILY TRAFFIC	10,069
10/2019	VPD

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	X
Industrial	
Office	
School	
Place of Worship	
Park	X

ROADWAY GEOMETRY	
Segment Length	5,700 FT
Roadway Width	72 FT
Number of Lanes	4
Bike Lane	Yes
Median	Yes

POSTED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	NA
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Date Speed Limit Posted	NA
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EXPIRATION DATE	10/15/24
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**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**Radar Speed Survey**

**SURVEY LOCATION:** Big Horn Bl.

**SURVEY DATE:** 10/16/2019

**LIMITS:** Elk Grove Bl. to Whitelock Pkwy.

**TIME:** 11:00 AM - 12:00 PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	1
62	1
61	1
60	
59	2
58	1
57	2
56	5
55	1
54	3
53	7
52	6
51	18
50	14
49	15
48	20
47	30
46	31
45	36
44	33
43	22
42	31
41	47
40	43
39	28
38	33
37	21
36	9
35	4
34	4
33	5
32	5
31	1
30	1
29	
28	1
27	2
26	
25	1
24	
23	
22	
21	1
20	1
<b>TOTAL</b>	<b>487</b>

**POSTED SPEED LIMIT:**

40

**WEATHER:** Clear

Clear

**OBSERVER:** Brow

Brow

<b>85th PERCENTILE</b>	49 MPH	<b>AVERAGE SPEED</b>	43.2 MPH
<b>10 MPH PACE SPEED</b>	FROM 38 MPH	<b>TO</b>	47 MPH
<b>% UNDER PACE</b>	11.5%	<b>% IN PACE</b>	68.6%
		<b>% OVER PACE</b>	19.9%

<b>ROADSIDE CONDITIONS</b>	
<b>PREDOMINANT LAND USE</b>	
SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input checked="" type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>
<b>ON STREET PARKING</b>	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
<b>ROADWAY GEOMETRY</b>	
SEGMENT LENGTH (FEET):	5700
WIDTH (FEET)	72'
MEDIAN:	Yes
NUMBER OF LANES:	4
BIKE LANES	Yes

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	7/1/2017	6/30/2019
10069	NUMBER OF COLLISIONS		15
10/8/19	COLLISIONS RATE		1.89

**COMMENTS:**



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
**Black Swan Drive**  
**from Elk Grove Blvd to Red Spruce Wy**

**Discussion:**

Black Swan Drive from Elk Grove Boulevard to Red Spruce Way is an unstriped 2 lane local road in the City of Elk Grove. The adjacent land uses are primarily residential and recreational. The road does not have any bicycle facilities. There are sidewalks along both sides of the roadway.

The road speed limit is currently not posted.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Black Swan Drive on 6/11/2019. The 85% (prevailing) speed was measured at 35 MPH.

The survey form is attached.

Collision History:

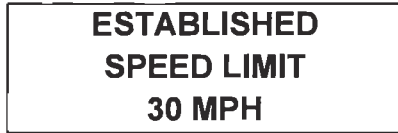
Between 1/1/2014 to 12/31/2018 the collision rate for this segment of Black Swan Drive was 3.88 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.30 coll/MVM.

Conditions not Readily Apparent to the Driver:

California Vehicle Code section 627 allows for the consideration of “conditions not readily apparent to the driver” as part of an Engineering and Traffic Survey. Two of these conditions are collision records and bicyclist safety. Since the collision rate in this segment is significantly above the citywide average in the past 5 years and there is a lack of bicycle facilities, this condition is satisfied and a 5 MPH reduction on the 85th percentile should be considered as described in section 2B.13 of the California Manual of Traffic Control Devices (CaMUTCD).

**Recommendation:**

Establish the speed limit of 30 MPH. This is based on the 35 MPH prevailing speed and a 5 MPH reduction due to conditions not readily apparent to the drive.

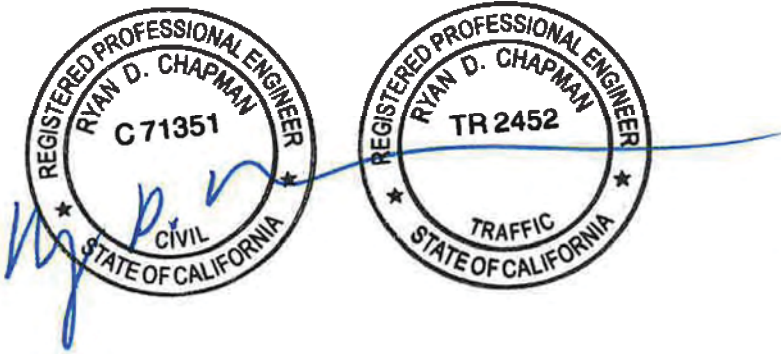


**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.

Date: 1/29/2020

Attachment – Vehicle Speed Survey Sheet  
Map



**STREET NAME: BLACK SWAN DRIVE**  
 FROM: ELK GROVE BLVD  
 TO: RED SPRUCE WAY

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	
Industrial	
Office	
School	
Place of Worship	
Park	X

<b>POSTED SPEED LIMIT</b>	<b>30 MPH</b>
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Date Ordinance Adopted	NA
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Date Speed Limit Posted	NA
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<b>EXPIRATION DATE</b>	<b>6/10/2024</b>
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**LEGENDS:**

- Signalized Intersection
- All Way Stop
- Stop Sign (2-Way)
- Stop Sign (1-way)
- Speed Hump
- Traffic Circle
- R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	<b>35 MPH</b>
Average Speed	<b>30.9 MPH</b>
10 mph Pace	<b>27 MPH - 36 MPH</b>
Percent in Pace	<b>73.1%</b>

<b>COLLISION RATE</b>	<b>3.88</b>
1/1/2014 - 12/31/2018	COLL/MVM

<b>AVERAGE DAILY TRAFFIC</b>	<b>2,183</b>
6/2019	VPD

ROADWAY GEOMETRY	
Segment Length	1,025 FT
Roadway Width	36 FT.
Number of Lanes	2
Bike Lane	No
Median	No

**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**SURVEY LOCATION:** **Black Swan Dr.**

**Radar Speed Survey**

**SURVEY DATE:** 6/11/2019

**LIMITS:** Elk Grove Bl. to Red Spruce Way

**TIME:** 2:00 - 3:00 PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:
69		
68		
67		
66		
65		
64		
63		
62		
61		
60		
59		
58		
57		
56		
55		
54		
53		
52		
51		
50		
49		
48		
47	1	
46		
45	1	
44		
43	1	
42		
41	1	
40		
39	4	
38	4	
37	2	
36	3	
35	6	
34	9	
33	14	
32	15	
31	20	
30	8	
29	3	
28	9	
27	8	
26	1	
25	6	
24	1	
23	3	
22	3	
21		
20	7	
<b>TOTAL</b>	<b>130</b>	

NP WEATHER: Clear OBSERVER: Brow

<b>85th PERCENTILE</b>	<b>35 MPH</b>	<b>AVERAGE SPEED</b>	<b>30.9 MPH</b>
<b>10 MPH PACE SPEED</b>	<b>FROM 27 MPH</b>	<b>TO 36 MPH</b>	
<b>% UNDER PACE</b>	<b>16.2%</b>	<b>% IN PACE</b>	<b>73.1%</b>
		<b>% OVER PACE</b>	<b>10.8%</b>

<b>ROADSIDE CONDITIONS</b>	
<b>PREDOMINANT LAND USE</b>	
SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input checked="" type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>
<b>ON STREET PARKING</b>	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input checked="" type="checkbox"/>
NO PARKING	<input type="checkbox"/>
<b>ROADWAY GEOMETRY</b>	
SEGMENT LENGTH (FEET):	1,025
WIDTH (FEET)	36'
MEDIAN:	No
NUMBER OF LANES:	2
BIKE LANES	No

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	1/1/2014 TO 12/31/2018
<b>2,183</b>	NUMBER OF COLLISIONS	3
DATE: 6/2019	COLLISION RATE	3.88

**COMMENTS:**



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
Bruceville Road  
from Elk Grove Blvd to Bilby Road

**Discussion:**

Bruceville Road from Elk Grove Blvd to Bilby Road is a 2 to 4-lane arterial in the City of Elk Grove. The adjacent land uses are primarily single-family, commercial and a church. The road has class II bikeways and sidewalks on both sides of the road from Elk Grove Blvd to Whitelock Parkway and no class II bikeways and no sidewalks for the most part from Whitelock Parkway to Bilby Road.

The road is currently posted at 40 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Bruceville Road on 11/18/2019. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 7/1/2017 to 6/30/2019 the collision rate for this segment of Bruceville Road was 1.72 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.46 coll/MVM.

Rounding Down:

Typically, the speed limit would be rounded to the nearest 5 mph increment however California Vehicle Code section 21400 (b) allows for the speed limit to be rounded down instead. If the option to do this is taken, then the local authority shall not reduce the speed limit any further for any reason.

**Recommendation:**

Increase the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded down to the nearest 5 MPH increment.

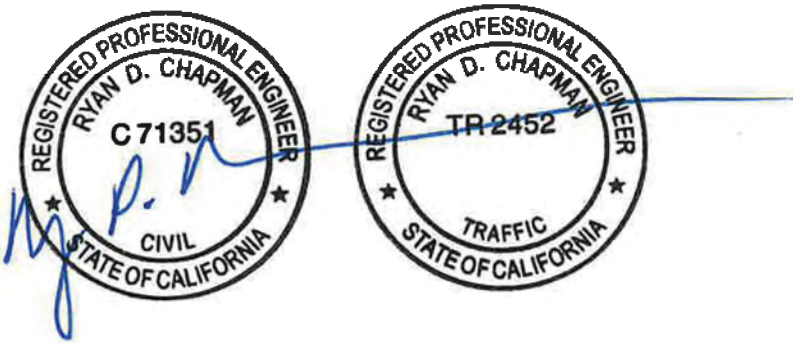
**ESTABLISHED  
SPEED LIMIT  
45 MPH**

**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.

Date: 1/29/2020

Attachment – Vehicle Speed Survey Sheet  
Map





**STREET NAME: Bruceville Road**  
 FROM: Elk Grove Boulevard  
 TO: Bilby Road

- LEGENDS:**
- Signalized Intersection
  - All Way Stop
  - Stop Sign (2-Way)
  - Stop Sign (1-way)
  - Speed Hump
  - Traffic Circle
  - R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	49 MPH
Average Speed	43.1 MPH
10 mph Pace	38 MPH - 47 MPH
Percent in Pace	67.0%

COLLISION RATE	1.72
7/1/2017 - 6/30/2019	COLL/MVM

AVERAGE DAILY TRAFFIC	18,782
11/2019	VPD

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	X
Industrial	
Office	
School	
Place of Worship	X
Park	

ROADWAY GEOMETRY	
Segment Length	10,725 FT
Roadway Width	34'-90' FT
Number of Lanes	2-4
Bike Lane	Partial
Median	Partial

POSTED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	09/23/2015
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Date Speed Limit Posted	10/23/2015
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EXPIRATION DATE	11/17/2024
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**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**Radar Speed Survey**

**SURVEY LOCATION:** Bruceville Rd.

**SURVEY DATE:** 11/18/2019

**LIMITS:** Elk Grove Bl. To Bilby Rd

**TIME:** 1:00 - 2:00 PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	1
60	
59	1
58	1
57	3
56	3
55	2
54	5
53	6
52	8
51	19
50	26
49	20
48	29
47	34
46	39
45	42
44	34
43	51
42	47
41	45
40	55
39	27
38	34
37	18
36	18
35	14
34	9
33	6
32	2
31	5
30	1
29	
28	2
27	1
26	
25	
24	
23	
22	
21	
20	1
<b>TOTAL</b>	<b>609</b>

**POSTED SPEED LIMIT:**

40 MPH

**WEATHER:**

WEATHER

**OBSERVER:**

Brow

<b>85th PERCENTILE</b>	<b>49 MPH</b>	<b>AVERAGE SPEED</b>	<b>43.1 MPH</b>
<b>10 MPH PACE SPEED</b>	<b>FROM 38 MPH</b>	<b>TO 47 MPH</b>	
<b>% UNDER PACE</b>	<b>12.6%</b>	<b>% IN PACE</b>	<b>67.0%</b>
		<b>% OVER PACE</b>	<b>20.4%</b>

<b>ROADSIDE CONDITIONS</b>	
<b>PREDOMINANT LAND USE</b>	
SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input checked="" type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input checked="" type="checkbox"/>
<b>ON STREET PARKING</b>	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
<b>ROADWAY GEOMETRY</b>	
SEGMENT LENGTH (FEET):	10725
WIDTH (FEET)	34'-90'
MEDIAN:	Partial
NUMBER OF LANES:	2-4
BIKE LANES	Partial

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	7/1/2017	6/30/2019
18,782	NUMBER OF COLLISIONS		48
11/2019	COLLISIONS RATE		1.72

**COMMENTS:**



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
Power Inn Road  
from Sheldon Road to Geneva Pointe Drive

**Discussion:**

Power Inn Road from Sheldon Road to Geneva Pointe Drive is a 4 lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential, school and commercial. The road has class II bikeways and sidewalks on both sides of the roadway.

The road is currently posted at 30 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Power Inn Road on 5/1/2019. The 85% (prevailing) speed was measured at 45 MPH.

The survey form is attached.

Collision History:

Between 10/1/2014 to 9/30/2019 the collision rate for this segment of Power Inn Road was 1.6 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.46 coll/MVM.

Conditions not Readily Apparent to the Driver:

California Vehicle Code section 627 allows for the consideration of “conditions not readily apparent to the driver” as part of an Engineering and Traffic Survey. Some of these conditions are pedestrian safety, bicyclist safety, and collision records. Since the collision rate in this segment is above the citywide average, a 5 MPH reduction on the 85th percentile should be considered as described in section 2B.13 of the California Manual of Traffic Control Devices (CaMUTCD).

**Recommendation:**

Increase the speed limit to 40 MPH. This is based on the 45 MPH prevailing speed and a 5 MPH reduction due to conditions not readily apparent to the driver.



**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.  
Date: 1/30/2020

Attachment – Vehicle Speed Survey Sheet  
Map



STREET NAME: **Power Inn Rd**  
 FROM: Sheldon Road  
 TO: Geneva Pointe Drive

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	X
Industrial	
Office	
School	X
Place of Worship	
Park	

POSTED SPEED LIMIT	40 MPH
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Date Ordinance Adopted	NA
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Date Speed Limit Posted	NA
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EXPIRATION DATE	04/30/24
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**LEGENDS:**

- Signalized Intersection
- All Way Stop
- Stop Sign (2-Way)
- Stop Sign (1-way)
- Speed Hump
- Traffic Circle
- R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	45 MPH
Average Speed	39.6 MPH
10 mph Pace	35 MPH - 44 MPH
Percent in Pace	68.3%

COLLISION RATE	1.6
10/1/2014 - 9/30/2019	COLL/MVM

AVERAGE DAILY TRAFFIC	9,228
04/2019	VPD

ROADWAY GEOMETRY	
Segment Length	7,650 FT
Roadway Width	66 FT
Number of Lanes	4
Bike Lane	Yes
Median	Yes

**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**SURVEY LOCATION:** Power Inn Rd

**Radar Speed Survey**

**SURVEY DATE:** 5/1/2019

**LIMITS:** Geneva Point Dr to sheldon Rd.

**TIME:** 9:30 - 10:30 AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	1
58	
57	1
56	1
55	
54	1
53	
52	
51	3
50	1
49	4
48	2
47	9
46	13
45	14
44	22
43	18
42	27
41	24
40	28
39	9
38	18
37	25
36	19
35	17
34	5
33	11
32	9
31	3
30	6
29	5
28	
27	4
26	1
25	
24	2
23	
22	
21	
20	
<b>TOTAL</b>	<b>303</b>

**POSTED SPEED LIMIT:**

30

**WEATHER:** Clear

**OBSERVER:** Brow

<b>85th PERCENTILE</b>	<b>45 MPH</b>	<b>AVERAGE SPEED</b>	<b>39.6 MPH</b>
<b>10 MPH PACE SPEED</b>	<b>FROM 35 MPH</b>	<b>TO 44 MPH</b>	
<b>% UNDER PACE</b>	<b>15.2%</b>	<b>% IN PACE</b>	<b>68.3%</b>
		<b>% OVER PACE</b>	<b>16.5%</b>

<b>ROADSIDE CONDITIONS</b>	
<b>PREDOMINANT LAND USE</b>	
SINGLE FAMILY RESIDENTIAL	<input checked="" type="checkbox"/>
MULTI-FAMILY RESIDENTIAL	<input type="checkbox"/>
COMMERCIAL	<input checked="" type="checkbox"/>
OFFICE	<input type="checkbox"/>
INDUSTRIAL	<input type="checkbox"/>
SCHOOL	<input checked="" type="checkbox"/>
PARK	<input type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>
<b>ON STREET PARKING</b>	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
<b>ROADWAY GEOMETRY</b>	
SEGMENT LENGTH (FEET):	7,650
WIDTH (FEET)	66'
MEDIAN:	Yes
NUMBER OF LANES:	4
BIKE LANES	Yes

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	10/1/2014 TO 9/30/2019
<b>9,228</b>	NUMBER OF COLLISIONS	39
DATE: 04/2019	COLLISION RATE	1.60

**COMMENTS:**



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
Whitelock Parkway  
from Franklin Boulevard to Big Horn Blvd

**Discussion:**

Whitelock Parkway from Franklin Boulevard to Big Horn Boulevard is a 5 lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential commercial, school and park. The road has class II bikeways along some segments of road. There are sidewalks along both portion of the roadway

The road is currently posted at 35 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Whitelock Parkway on 8/6/2019. The 85% (prevailing) speed was measured at 48 MPH.

The survey form is attached.

Collision History:

Between 07/01/2017 to 06/30/2019 the collision rate for this segment of Whitelock Parkway was 1.38 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.46 coll/MVM.

Rounding Down:

Typically, the speed limit would be rounded to the nearest 5 mph increment however California Vehicle Code section 21400 (b) allows for the speed limit to be rounded down instead. If the option to do this is taken, then the local authority shall not reduce the speed limit any further for any reason.

**Recommendation:**

Increase the speed limit to 45 MPH. This is based on the 48 MPH prevailing speed rounded down to the nearest 5 mph increment.

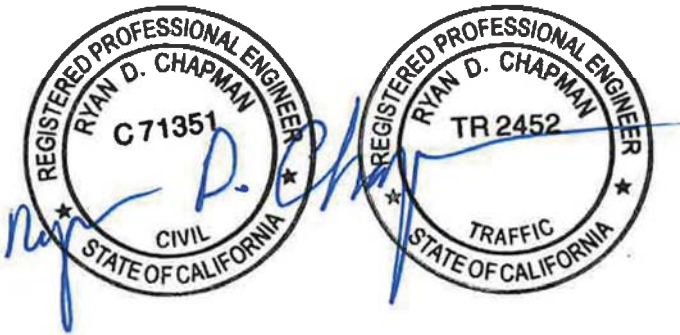
**ESTABLISHED  
SPEED LIMIT  
45 MPH**

**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.  
Date: 1/30/2020

Attachment – Vehicle Speed Survey Sheet  
Map





**STREET NAME: WHITELOCK PARKWAY**  
 FROM: FRANKLIN BOULEVARD  
 TO: BIG HORN BOULEVARD

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	X
Industrial	
Office	
School	X
Place of Worship	
Park	X

<b>POSTED SPEED LIMIT</b>	<b>45 MPH</b>
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**LEGENDS:**

- Signalized Intersection
- All Way Stop
- Stop Sign (2-Way)
- Stop Sign (1-way)
- Speed Hump
- Traffic Circle
- R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	<b>48 MPH</b>
Average Speed	<b>42 MPH</b>
10 mph Pace	<b>38 MPH - 47 MPH</b>
Percent in Pace	<b>64.5%</b>

Date Ordinance Adopted	NA
------------------------	----

Date Speed Limit Posted	NA
-------------------------	----

<b>COLLISION RATE</b>	<b>1.38</b>
07/1/2017 - 06/30/2019	COLL/MVM

ROADWAY GEOMETRY	
Segment Length	15,100 FT
Roadway Width	58-70 FT
Number of Lanes	5
Bike Lane	SOME
Median	YES

<b>EXPIRATION DATE</b>	<b>8/5/2024</b>
------------------------	-----------------

<b>AVERAGE DAILY TRAFFIC</b>	<b>12,497</b>
8/2019	VPD

**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**SURVEY LOCATION:** Whitelock Pkwy

**Radar Speed Survey**

**SURVEY DATE:** 8/6/2019

**LIMITS:** Big Horn Bl. to Franklin Bl.

**TIME:** 10:45 AM to 11:30 AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:
69		35
68		
67		
66		
65		
64	1	
63		
62	1	
61		
60	1	
59	2	
58	2	
57	2	
56		
55	2	
54	3	
53	4	
52	3	
51	6	
50	12	
49	10	
48	16	
47	18	
46	25	
45	19	
44	35	
43	33	
42	29	
41	33	
40	28	
39	21	
38	17	
37	15	
36	16	
35	8	
34	12	
33	1	
32	2	
31		
30	3	
29		
28	1	
27	4	
26	2	
25	5	
24	3	
23	2	
22	1	
21		
20	2	
<b>TOTAL</b>	<b>400</b>	

85th PERCENTILE	48 MPH	AVERAGE SPEED	42. MPH
10 MPH PACE SPEED	FROM 38 MPH	TO	47 MPH
% UNDER PACE	19.3%	% IN PACE	64.5%
		% OVER PACE	16.2%

**ROADSIDE CONDITIONS**

**PREDOMINANT LAND USE**

- SINGLE FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- COMMERCIAL
- OFFICE
- INDUSTRIAL
- SCHOOL
- PARK
- PLACE OF WORSHIP

**ON STREET PARKING**

- HEAVY
- MODERATE
- LIGHT
- NO PARKING

**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 15,100  
 WIDTH (FEET): 58-70  
 MEDIAN: Yes  
 NUMBER OF LANES: 5  
 BIKE LANES: Some Segments

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	7/1/2017 TO 6/30/2019
12,497	NUMBER OF COLLISIONS	36
DATE: 8/2019	COLLISION RATE	1.38

**COMMENTS:**



**City of Elk Grove**  
**Department of Public Works**  
**Engineering and Traffic Survey**  
Whitelock Parkway  
From Big Horn Blvd to W. Stockton Blvd

**Discussion:**

Whitelock Parkway from Big Horn Boulevard to W. Stockton Boulevard is a 6 lane minor arterial in the City of Elk Grove. The adjacent land uses are primarily residential and school. The road has class II bikeways and sidewalk on both sides.

The road is currently posted at 35 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Whitelock Parkway on 5/8/2019. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 1/1/2017 to 12/31/2018 the collision rate for this segment of Whitelock Parkway was 2.87 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.43 coll/MVM.

Rounding Down:

Typically, the speed limit would be rounded to the nearest 5 mph increment however California Vehicle Code section 21400 (b) allows for the speed limit to be rounded down instead. If the option to do this is taken, then the local authority shall not reduce the speed limit any further for any reason.

**Recommendation:**

Increase the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded down to the nearest 5 MPH increment.

**ESTABLISHED  
SPEED LIMIT  
45 MPH**

**Other Agency Review:**

The Elk Grove Police Department has reviewed this recommendation.

**Preparers Signature:**

These reports, and all of the studies attached to it, were prepared by me or under my direction.



Ryan D. Chapman P.E., T.E.  
Date: 4/30/2020

Attachment – Vehicle Speed Survey Sheet  
Map



**STREET NAME: WHITELOCK PARKWAY**  
 FROM: BIG HORN BLVD  
 TO: W. STOCKTON

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
Single Family Residential	X
Multi Family Residential	
Commercial	
Industrial	
Office	
School	X
Place of Worship	
Park	

<b>POSTED SPEED LIMIT</b>	<b>45 MPH</b>
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**LEGENDS:**

- Signalized Intersection
- All Way Stop
- Stop Sign (2-Way)
- Stop Sign (1-way)
- Speed Hump
- Traffic Circle
- R2-1 Speed Limit Sign

RADAR SPEED SURVEY	
Critical Speed (85th Percentile)	49 MPH
Average Speed	43.1 MPH
10 mph Pace	38 MPH - 47 MPH
Percent in Pace	63.2%

Date Ordinance Adopted	N/A
------------------------	-----

Date Speed Limit Posted	N/A
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<b>COLLISION RATE</b>	<b>2.87</b>
1/1/2017 - 12/31/2018	COLL/MVM

ROADWAY GEOMETRY	
Segment Length	5,600 FT
Roadway Width	56-90 FT
Number of Lanes	6
Bike Lane	YES
Median	YES

<b>EXPIRATION DATE</b>	<b>5/7/2024</b>
------------------------	-----------------

<b>AVERAGE DAILY TRAFFIC</b>	<b>8,393</b>
5/2019	VPD

**City of Elk Grove**  
Public Works Department  
8401 Laguna Palms Way - Elk Grove, California 95758

**SURVEY LOCATION:** Whitelock Pkwy

**Radar Speed Survey**

**SURVEY DATE:** 5/8/2019

**LIMITS:** Big Horn Blvd to W. Stockton Blvd

**TIME:** 2:00 - 3:00 PM

**VEHICLE SPEED (MPH)**  
**TOTAL VEHICLE**  
**POSTED SPEED LIMIT:**

35

**WEATHER:** Clear

**OBSERVER:** Brow

<b>85th PERCENTILE</b>	<b>49 MPH</b>	<b>AVERAGE SPEED</b>	<b>43.1 MPH</b>
<b>10 MPH PACE SPEED</b>	<b>FROM 38 MPH</b>	<b>TO 47 MPH</b>	
<b>% UNDER PACE</b>	<b>16.7%</b>	<b>% IN PACE</b>	<b>63.2%</b>
		<b>% OVER PACE</b>	<b>20.1%</b>

69	
68	
67	
66	
65	
64	
63	
62	
61	1
60	1
59	
58	
57	
56	
55	4
54	3
53	5
52	7
51	9
50	7
49	18
48	10
47	20
46	18
45	27
44	26
43	26
42	26
41	19
40	13
39	11
38	18
37	11
36	11
35	10
34	8
33	6
32	3
31	2
30	
29	1
28	1
27	
26	1
25	
24	
23	
22	
21	
20	
<b>TOTAL</b>	<b>323</b>

**ROADSIDE CONDITIONS**

**PREDOMINANT LAND USE**

- SINGLE FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- COMMERCIAL
- OFFICE
- INDUSTRIAL
- SCHOOL
- PARK
- PLACE OF WORSHIP

**ON STREET PARKING**

- HEAVY
- MODERATE
- LIGHT
- NO PARKING

**ROADWAY GEOMETRY**

SEGMENT LENGTH (FEET): 5,600  
 WIDTH (FEET): 56' - 90'  
 MEDIAN: Yes  
 NUMBER OF LANES: 6  
 BIKE LANES: Yes

<b>AVERAGE DAILY TRAFFIC</b>	<b>COLLISION HISTORY</b>	1/1/2017 TO 12/31/2018
<b>5,393</b>	NUMBER OF COLLISIONS	12
DATE: 5/2019	COLLISION RATE	2.87

**COMMENTS:**

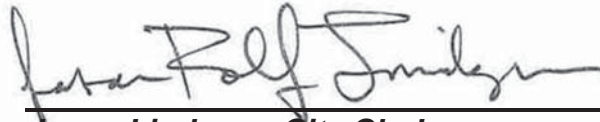
**CERTIFICATION**  
**ELK GROVE CITY COUNCIL ORDINANCE NO. 07-2020**

STATE OF CALIFORNIA        )  
COUNTY OF SACRAMENTO    )     ss  
CITY OF ELK GROVE         )

*I, Jason Lindgren, City Clerk of the City of Elk Grove, California, do hereby certify that the foregoing ordinance, published and posted in compliance with State law, was duly introduced on March 11, 2020 and approved, and adopted by the City Council of the City of Elk Grove at a regular meeting of said Council held on March 25, 2020 by the following vote:*

<b>AYES:</b>	<b>COUNCILMEMBERS:</b>	<b>Ly, Detrick, Hume, Nguyen, Suen</b>
<b>NOES:</b>	<b>COUNCILMEMBERS:</b>	<b>None</b>
<b>ABSTAIN:</b>	<b>COUNCILMEMBERS:</b>	<b>None</b>
<b>ABSENT:</b>	<b>COUNCILMEMBERS:</b>	<b>None</b>

*A summary of the ordinance was published pursuant to GC 36933(c) (1).*



**Jason Lindgren, City Clerk**  
**City of Elk Grove, California**