

ORDINANCE NO. 02-2024

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ELK GROVE AMENDING ELK GROVE MUNICIPAL CODE SECTION 10.48.020 SPEED LIMITS, TO ESTABLISH SPEED LIMITS ON VARIOUS ROADS IN THE CITY

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, which is re-evaluated at intervals required by law; and

WHEREAS, cities and counties in California must follow the California Vehicle Code (CVC), primarily Sections 22357, 22358.6, 22358.7, and other applicable sections to establish speed limits within their jurisdictions; 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 J, and incorporated herein by reference; and

WHEREAS, in order for law enforcement to use 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 Elk Grove Municipal Code Section 10.48.020 Speed Limits to establish speed limits on Bond Road, Bruceville Road, Calvine Road, Elk Grove Boulevard, Elk Grove Florin Road, and Whitelock Parkway.

Section 2: Findings

On April 24, 2024, the City Council of the City of Elk Grove reviewed and considered the Engineering and Traffic Surveys and related information for the referenced roadways, attached hereto as Exhibits A through L 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:

- Bond Road between Elk Grove Florin Road and Waterman Road is 45 MPH
- Bond Road between Waterman Road and Bradshaw Road is 45 MPH
- Bruceville Road between Elk Grove Boulevard and Whitelock Parkway is 45 MPH
- Bruceville Road between Whitelock Parkway and Bilby Road is 45 MPH
- Calvine Road between Elk Grove Florin Road and Waterman Road is 45 MPH
- Calvine Road between Waterman Road and Bradshaw Road is 45 MPH
- Elk Grove Boulevard between Franklin Boulevard and Bruceville Road is 45 MPH

- Elk Grove Boulevard between Bruceville Road and Laguna Springs Drive is 45 MPH
- Elk Grove Florin Road between Bond Road and Sheldon Road is 45 MPH
- Elk Grove Florin Road between Sheldon Road and Calvine Road is 45 MPH
- Whitelock Parkway between Franklin Boulevard and Bruceville Road is 45 MPH
- Whitelock Parkway between Bruceville Road and Big Horn Boulevard is 40 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

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

*Additions are shown in **bold**; deletions are shown in ~~strikethrough~~.
Previously adopted text that is unmodified by this amendment is represented by an
 ellipsis (...); see prior adopted ordinance for full text.*

10.48.020 Speed limits.

...

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

...

16. Whitelock Parkway between Bruceville Road and Big Horn Boulevard.

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

...

5. Bruceville Road between Elk Grove Boulevard and Whitelock Parkway;

6. Bruceville Road between Whitelock Parkway and Bilby Road;

~~57.~~ Bruceville Road between Bilby Road and Kammerer Road;

~~6.~~ Bruceville Road between Elk Grove Boulevard and Bilby Road;

~~78.~~ Bond Road between Waterman Road and Elk Grove-Florin Road;

~~89.~~ Bond Road between Elk Grove-Florin Road and State Route 99;

~~910.~~ Bond Road between Waterman Road and Bradshaw Road;

~~4011.~~ Bond Road between Bradshaw Road and Grant Line Road;

12. Calvine Road between Elk Grove Florin Road and Waterman Road;

13. Calvine Road between Waterman Road and Bradshaw Road;

~~14~~14. E. Stockton Boulevard between Sheldon Road and Geneva Point Drive;

~~12~~15. Elk Grove Boulevard between Harbour Point Drive and Franklin Boulevard;

~~13~~16. Elk Grove Boulevard between Franklin Boulevard Bruceville Road;

~~14~~17. Elk Grove Boulevard between Bruceville Road and Laguna Springs Drive;

~~15~~18. Elk Grove Florin Road between Bond Road and Calvine Road;

18. Elk Grove Florin Road between Bond Road and Sheldon Road;

19. Elk Grove Florin Road between Sheldon Road and Calvine Road;

~~16~~20. Excelsior Road between Sheldon Road and Calvine Road;

~~17~~21. Franklin Boulevard between Laguna Boulevard and Sacramento city limits;

~~18~~22. Franklin Boulevard between Laguna Boulevard and Elk Grove Boulevard;

~~19~~23. Franklin Boulevard between Elk Grove Boulevard and Whitelock Parkway;

~~20~~24. Grant Line Road between Bond Road and six hundred fifty (650' 0") feet south of Equestrian Drive;

~~21~~25. Grant Line Road between Sheldon Woods Way and City limits (north);

~~22~~26. Laguna Boulevard between Harbour Point and Franklin Road;

~~23~~27. Laguna Boulevard between Franklin Road and Bruceville Road;

~~24~~28. Laguna Boulevard between Bruceville Road and State Route 99;

~~25~~29. Promenade Parkway between Kammerer Road and W. Stockton Boulevard;

~~26~~30. Sheldon Road between Bruceville Road and State Route 99;

~~27~~31. Waterman Road between Calvine Road and Sheldon Road;

~~28~~32. Waterman Road between Sheldon Road and Bond Road;

~~29~~33. Waterman Road between Bond Road and Rancho Drive;

~~30~~34. Waterman Road between Dino Drive and Grant Line Road;

~~31~~35. Whitelock Parkway between Franklin Boulevard/Willard Parkway to W. Stockton Boulevard;

35. Whitelock Parkway between Franklin Boulevard and Bruceville Road;

~~32~~36. Willard Parkway between Whitelock Parkway and Bilby Road;

~~33~~37. W. Stockton Boulevard between Promenade Parkway and a point one thousand three hundred (1,300' 0") feet south of Laguna Grove Drive.

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 effect 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: **02-2024**
INTRODUCED: April 24, 2024
ADOPTED: May 8, 2024
EFFECTIVE: June 7, 2024


BOBBIE SINGH-ALLEN, MAYOR of the
CITY OF ELK GROVE

ATTEST:

JASON LINDGREN, CITY CLERK

APPROVED AS TO FORM:

JONATHAN P. HOBBS,
CITY ATTORNEY

Signed: May 9, 2024

EXHIBIT A



City of Elk Grove Department of Public Works Engineering and Traffic Survey Bond Rd From Elk Grove Florin Rd to Waterman Rd

Discussion:

Bond Road from Elk Grove Florin Road to Waterman Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features four striped travel lanes, medians, bike lanes, and is adjacent to residential communities

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Bond Road on 03/05/2024. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Bond Road was 0.26 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Engineering and Traffic Survey
Bond Rd from Elk Grove Florin Rd to Waterman Rd

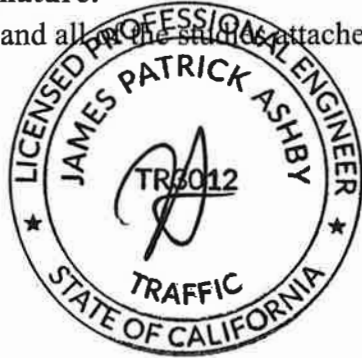
Other Agency Review:

The Elk Grove Police Department has reviewed this recommendation.

Preparers Signature:

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

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: BOND RD
 FROM: ELK GROVE FLORIN RD
 TO: WATERMAN RD

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	45.3 MPH
10 mph Pace	41 MPH - 50 MPH
Percent in Pace	83.0%

COLLISION RATE	0.26
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	20,843
09/2020	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,256 FT
Roadway Width	72 - 115 FT
Number of Lanes	4
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
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EXPIRATION DATE	03/05/31
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: BOND RD

SURVEY DATE: 3/5/2024

LIMITS: ELK GROVE FLORIN RD to WATERMAN RD

TIME: 2:50PM - 3:38PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	2
53	2
52	3
51	2
50	6
49	6
48	5
47	14
46	9
45	4
44	9
43	14
42	8
41	8
40	4
39	2
38	1
37	1
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER: DRY/CLEAR

OBSERVER: Salvador Martinez-Navarro

85th PERCENTILE	49 MPH	AVERAGE SPEED	45.3 MPH
10 MPH PACE SPEED	FROM 41 MPH	TO 50 MPH	
% UNDER PACE	8.0%	% IN PACE	83.0%
		% OVER PACE	9.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,256
WIDTH (FEET)	72 - 115
MEDIAN:	YES
NUMBER OF LANES:	4
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
20,843	NUMBER OF COLLISIONS	4	
Date: 9/2020	COLLISIONS RATE (MVM)	0.26	

COMMENTS:

EXHIBIT B



City of Elk Grove Department of Public Works Engineering and Traffic Survey Bond Rd From Waterman Rd to Bradshaw Rd

Discussion:

Bond Road from Waterman Road to Bradshaw Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential. The segment of roadway features four striped travel lanes, medians, bike lanes, and is adjacent to Pleasant Grove High School and Katherine L. Albiani Middle School.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Bond Road on 12/14/2023. The 85% (prevailing) speed was measured at 51 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Bond Road was 0.24 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 51 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Engineering and Traffic Survey
Bond Rd from Waterman Rd to Bradshaw Rd

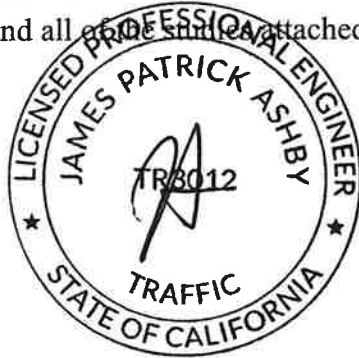
Other Agency Review:

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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: **BOND RD**

FROM: WATERMAN RD
TO: BRADSHAW RD

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)	51 MPH
Average Speed	46.7 MPH
10 mph Pace	41 MPH - 50 MPH
Percent in Pace	81.3%

COLLISION RATE	0.24
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	17,295
09/2019	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,317 FT
Roadway Width	70-98 FT
Number of Lanes	4
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
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EXPIRATION DATE	12/14/30
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: BOND RD

SURVEY DATE: 12/14/2023

LIMITS: WATERMAN RD to BRADSHAW RD

TIME: 1:08PM - 2:08PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	2
56	1
55	1
54	1
53	3
52	2
51	4
50	4
49	3
48	5
47	13
46	8
45	10
44	7
43	3
42	8
41	4
40	1
39	
38	
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	80

POSTED SPEED LIMIT:

45

WEATHER:

DRY/CLEAR

OBSERVER:

Salvador Martinez-Navarro

85th PERCENTILE	51 MPH	AVERAGE SPEED	46.7 MPH
10 MPH PACE SPEED	FROM 41 MPH	TO 50 MPH	
% UNDER PACE	1.3%	% IN PACE	81.3%
		% OVER PACE	17.5%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,317
WIDTH (FEET)	70-98
MEDIAN:	YES
NUMBER OF LANES:	4
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
17,295	NUMBER OF COLLISIONS	3	
Date: 11/2019	COLLISIONS RATE (MVM)	0.24	

COMMENTS:

EXHIBIT C



City of Elk Grove Department of Public Works Engineering and Traffic Survey Bruceville Rd From Elk Grove Blvd to Whitelock Pkwy

Discussion:

Bruceville Road from Elk Grove Boulevard to Whitelock Parkway is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features four striped travel lanes, medians, edge lines, paved shoulders, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Bruceville Road on 03/20/2024. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Bruceville Road was 0.21 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Engineering and Traffic Survey
Bruceville Rd from Elk Grove Blvd to Whitelock Pkwy

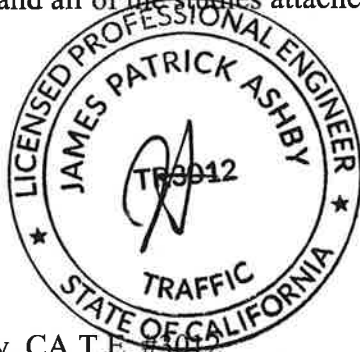
Other Agency Review:

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.

Signature:



James P. Ashby, CA T.E. #5012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: BRUCEVILLE RD

FROM: ELK GROVE BLVD
TO: WHITELOCK PKWY

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	44.2 MPH
10 mph Pace	39 MPH - 48 MPH
Percent in Pace	80.0%

COLLISION RATE	0.21
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	25,645
11/2021	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,388 FT
Roadway Width	93-117 FT
Number of Lanes	4
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
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EXPIRATION DATE	03/20/31
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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: 3/20/2024

LIMITS: ELK GROVE BLVD to WHITELOCK PKWY

TIME: 9:30AM - 9:55AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	3
53	1
52	1
51	3
50	4
49	4
48	3
47	6
46	8
45	8
44	12
43	12
42	7
41	12
40	7
39	5
38	2
37	1
36	1
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER: DRY/CLEAR

OBSERVER: Salvador Martinez-Navarro

85th PERCENTILE	49 MPH	AVERAGE SPEED	44.2 MPH
10 MPH PACE SPEED	FROM 39 MPH	TO 48 MPH	
% UNDER PACE	4.0%	% IN PACE	80.0%
		% OVER PACE	16.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,388
WIDTH (FEET)	93-117
MEDIAN:	YES
NUMBER OF LANES:	4
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
25,645	NUMBER OF COLLISIONS	4	
Date: 11/2021	COLLISIONS RATE (MVM)	0.21	

COMMENTS:

EXHIBIT D



City of Elk Grove Department of Public Works Engineering and Traffic Survey Bruceville Rd From Whitelock Pkwy to Bilby Rd

Discussion:

Bruceville Road from Whitelock Parkway to Bilby Road is a two lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features two striped travel lanes, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Bruceville Road on 03/06/2024. The 85% (prevailing) speed was measured at 47 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Bruceville Road was 1.86 coll/MVM (collisions per million vehicle miles traveled). This is above the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 47 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Other Agency Review:

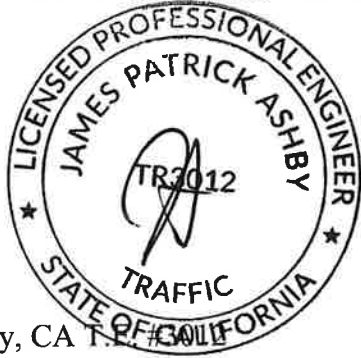
Engineering and Traffic Survey
Bruceville Rd from Whitelock Pkwy to Bilby Rd

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.

Signature:



James P. Ashby, CA T.E.


Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: **BRUCEVILLE RD**
 FROM: WHITELOCK PKWY
 TO: BILBY RD

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)	47 MPH
Average Speed	42.3 MPH
10 mph Pace	38 MPH - 47 MPH
Percent in Pace	78.0%

COLLISION RATE	1.86
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	7,281
9/2020	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,350 FT
Roadway Width	35-118 FT
Number of Lanes	2
Bike Lane	YES
Median	NO

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
------------------------	--

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

EXPIRATION DATE	03/06/31
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: ELK GROVE BLVD

SURVEY DATE: 3/6/2024

LIMITS: WHITELOCK PKWY to BILBY RD

TIME: 2:30PM - 3:17PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:	45	WEATHER:	DRY/CLEAR	OBSERVER:	Salvador Martinez-Navarro
69							
68							
67							
66							
65							
64							
63							
62							
61							
60							
59							
58							
57							
56							
55							
54							
53							
52							
51							
50	3						
49	2						
48	4						
47	7						
46	6						
45	9						
44	8						
43	8						
42	10						
41	10						
40	9						
39	6						
38	5						
37	4						
36	4						
35	5						
34							
33							
32							
31							
30							
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
TOTAL	100						

85th PERCENTILE	47 MPH	AVERAGE SPEED	42.3 MPH
10 MPH PACE SPEED	FROM 38 MPH	TO 47 MPH	
% UNDER PACE	13.0%	% IN PACE	78.0%
		% OVER PACE	9.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,350
WIDTH (FEET)	35-118
MEDIAN:	NO
NUMBER OF LANES:	2
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
7,281	NUMBER OF COLLISIONS	10	
Date: 9/2020	COLLISIONS RATE (MVM)	1.86	

COMMENTS:

EXHIBIT E



City of Elk Grove Department of Public Works Engineering and Traffic Survey Calvine Rd From Elk Grove Florin Rd to Waterman Rd

Discussion:

Calvine Road from Elk Grove Florin Road to Waterman Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features four to six striped travel lanes, medians, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Calvine Road on 03/07/2024. The 85% (prevailing) speed was measured at 51 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Calvine Road was 0.54 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 51 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Engineering and Traffic Survey
Calvine Rd from Elk Grove Florin Rd to Waterman Rd

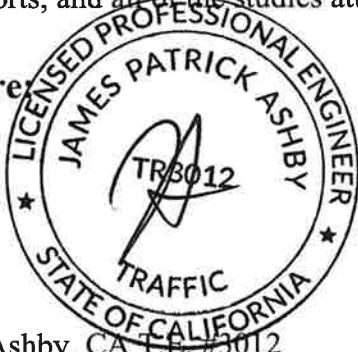
Other Agency Review:

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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: **CALVINE RD**
 FROM: ELK GROVE FLORIN RD
 TO: WATERMAN RD

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

PROPOSED SPEED LIMIT	45 MPH
-----------------------------	---------------

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

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

EXPIRATION DATE	03/07/31
------------------------	-----------------

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)	51 MPH
Average Speed	45.8 MPH
10 mph Pace	41 MPH - 50 MPH
Percent in Pace	78.2%

COLLISION RATE	0.54
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	18,112
9/2019	VPD

ROADWAY GEOMETRY	
Segment Length	5,169 FT
Roadway Width	82-112 FT
Number of Lanes	4-6
Bike Lane	YES
Median	YES

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

Radar Speed Survey

SURVEY LOCATION: CALVINE RD

SURVEY DATE: 3/7/2024

LIMITS: ELK GROVE FLORIN RD to WATERMAN RD

TIME: 2:30PM - 2:53PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	7
53	2
52	1
51	6
50	3
49	9
48	6
47	6
46	9
45	5
44	12
43	11
42	9
41	9
40	2
39	3
38	1
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	101

POSTED SPEED LIMIT:

45

WEATHER: DRY/CLEAR

OBSERVER: Salvador Martinez-Navarro

85th PERCENTILE	51 MPH	AVERAGE SPEED	45.8 MPH
10 MPH PACE SPEED	FROM 41 MPH	TO 50 MPH	
% UNDER PACE	5.9%	% IN PACE	78.2%
		% OVER PACE	15.8%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,169
WIDTH (FEET)	82 -112
MEDIAN:	YES
NUMBER OF LANES:	4-6
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
18,112	NUMBER OF COLLISIONS	7	
Date: 9/2019	COLLISIONS RATE (MVM)	0.54	

COMMENTS:

EXHIBIT F



City of Elk Grove Department of Public Works Engineering and Traffic Survey Calvine Rd From Watermen Rd to Bradshaw Rd

Discussion:

Calvine Road from Waterman Road to Bradshaw Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features four striped travel lanes, medians, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Calvine Road on 03/07/2024. The 85% (prevailing) speed was measured at 51 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Calvine Road was 0.0 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 51 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Engineering and Traffic Survey
Calvine Rd from Waterman Rd to Bradshaw Rd

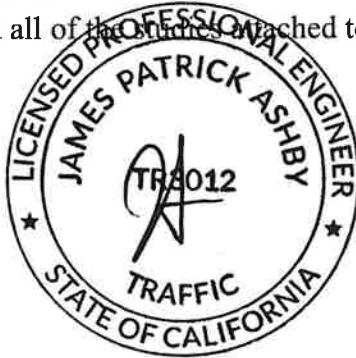
Other Agency Review:

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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: **CALVINE RD**
 FROM: WATERMAN RD
 TO: BRADSHAW RD

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)	51 MPH
Average Speed	46.9 MPH
10 mph Pace	43 MPH - 52 MPH
Percent in Pace	77.0%

COLLISION RATE	0
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	18,112
09/2019	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,336 FT
Roadway Width	70-117 FT
Number of Lanes	4-5
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
-------------------------	--

EXPIRATION DATE	03/07/31
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: CALVINE RD

SURVEY DATE: 3/7/2024

LIMITS: WATERMAN RD to BRADSHAW RD

TIME: 3:03PM - 3:37PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	3
54	2
53	3
52	7
51	7
50	4
49	12
48	7
47	7
46	9
45	9
44	9
43	6
42	6
41	3
40	3
39	2
38	1
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER:

DRY/CLEAR

OBSERVER:

Salvador Martinez-Navarro

85th PERCENTILE	51 MPH	AVERAGE SPEED	46.9 MPH
10 MPH PACE SPEED	FROM 43 MPH	TO 52 MPH	
% UNDER PACE	15.0%	% IN PACE	77.0%
		% OVER PACE	8.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,336
WIDTH (FEET)	70 - 117
MEDIAN:	YES
NUMBER OF LANES:	4-5
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
18,112	NUMBER OF COLLISIONS	0	
Date: 11/2019	COLLISIONS RATE (MVM)	0.00	

COMMENTS:

EXHIBIT G



City of Elk Grove Department of Public Works Engineering and Traffic Survey Elk Grove Blvd From Franklin Blvd to Bruceville Rd

Discussion:

Elk Grove Boulevard from Franklin Boulevard to Bruceville Road is a six lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features six striped travel lanes, medians, edge lines, paved shoulders, bike lanes, and is adjacent to residential communities

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Elk Grove Boulevard on 03/19/2024. The 85% (prevailing) speed was measured at 51 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Elk Grove Boulevard was .27 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 51 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

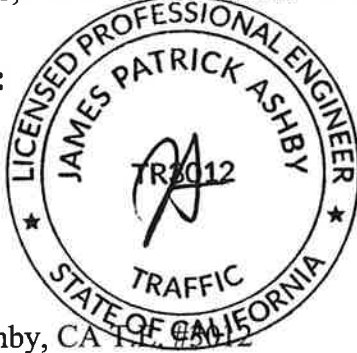
Other Agency Review:

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.

Signature:



James P. Ashby, CA P.E. 95012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: ELK GROVE BLVD
 FROM: FRANKLIN BLVD
 TO: BRUCEVILLE RD

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

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
------------------------	--

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

EXPIRATION DATE	03/19/31
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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)	51 MPH
Average Speed	46.3 MPH
10 mph Pace	41 MPH - 50 MPH
Percent in Pace	80.8%

COLLISION RATE	0.27
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	25,650
9/2020	VPD

ROADWAY GEOMETRY	
Segment Length	9,249 FT
Roadway Width	93-118 FT
Number of Lanes	6
Bike Lane	YES
Median	YES

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

Radar Speed Survey

SURVEY LOCATION: ELK GROVE BLVD

SURVEY DATE: 3/19/2024

LIMITS: FRANKLIN BLVD to BRUCEVILLE RD

TIME: 2:30PM - 3:06PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	2
53	4
52	6
51	6
50	10
49	4
48	6
47	8
46	6
45	12
44	15
43	7
42	8
41	8
40	2
39	
38	
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	104

POSTED SPEED LIMIT:

45

WEATHER:

DRY/CLEAR

OBSERVER:

Salvador Martinez-Navarro

85th PERCENTILE	51 MPH	AVERAGE SPEED	46.3 MPH
10 MPH PACE SPEED	FROM 41 MPH	TO 50 MPH	
% UNDER PACE	1.9%	% IN PACE	80.8%
		% OVER PACE	17.3%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	9,249
WIDTH (FEET)	93-118
MEDIAN:	YES
NUMBER OF LANES:	6
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
25,650	NUMBER OF COLLISIONS	9	
Date: 9/2020	COLLISIONS RATE (MVM)	0.27	

COMMENTS:

EXHIBIT H



City of Elk Grove Department of Public Works Engineering and Traffic Survey Elk Grove Blvd From Bruceville Rd to Laguna Springs Dr

Discussion:

Elk Grove Boulevard from Bruceville Road to Laguna Spring Drive is a six lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway features six striped travel lanes, medians, edge lines, paved shoulders, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Elk Grove Boulevard on 03/19/2024. The 85% (prevailing) speed was measured at 50 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Elk Grove Boulevard was 0.69 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 50 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

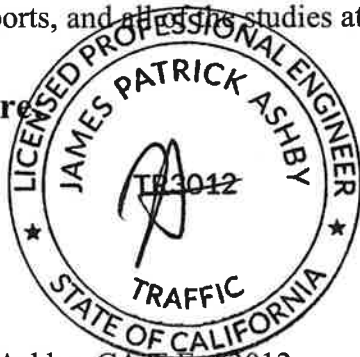
Other Agency Review:

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.

Signature



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: ELK GROVE BLVD
 FROM: BRUCEVILLE RD
 TO: LAGUNA SPRINGS DR

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)	50 MPH
Average Speed	46.3 MPH
10 mph Pace	41 MPH - 50 MPH
Percent in Pace	84.0%

COLLISION RATE	0.69
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	38,705
5/2023	VPD

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

ROADWAY GEOMETRY	
Segment Length	6,263 FT
Roadway Width	98-112 FT
Number of Lanes	6
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
-------------------------	--

EXPIRATION DATE	03/19/31
------------------------	----------

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

Radar Speed Survey

SURVEY LOCATION: ELK GROVE BLVD

SURVEY DATE: 3/19/2024

LIMITS: BRUCEVILLE RD to LAGUNA SPRINGS DR

TIME: 1:45PM - 2:15PM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	3
53	2
52	4
51	4
50	6
49	9
48	8
47	11
46	12
45	6
44	12
43	8
42	6
41	6
40	3
39	
38	
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER: DRY/CLEAR

OBSERVER: Salvador Martinez-Navarro

85th PERCENTILE	50 MPH	AVERAGE SPEED	46.3 MPH
10 MPH PACE SPEED	FROM 41 MPH	TO 50 MPH	
% UNDER PACE	3.0%	% IN PACE	84.0%
		% OVER PACE	13.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	6,263
WIDTH (FEET)	98-112
MEDIAN:	YES
NUMBER OF LANES:	6
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	
	11/30/2021	11/29/2023
38,705	NUMBER OF COLLISIONS	23
Date: 5/2023	COLLISIONS RATE (MVM)	0.69

COMMENTS:

EXHIBIT I



City of Elk Grove Department of Public Works Engineering and Traffic Survey

Elk Grove Florin Rd From
Bond Rd to Sheldon Rd

Discussion:

Elk Grove Florin Road from Bond Road to Sheldon Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and rural. The segment of roadway features four striped travel lanes, medians, bike lanes, and is adjacent to a residential community.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Elk Grove Florin Road on 12/13/2023. The 85% (prevailing) speed was measured at 52 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Elk Grove Florin Road was 0.36 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 52 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Other Agency Review:

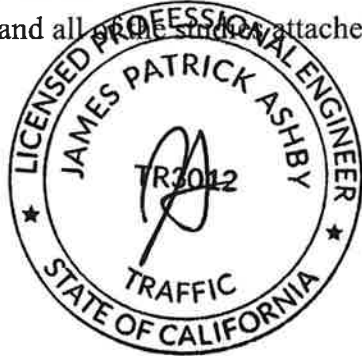
Engineering and Traffic Survey
Elk Grove Florin Rd from Bond Rd to Sheldon Rd

The Elk Grove Police Department has reviewed this recommendation.

Preparers Signature:

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

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: ELK GROVE FLORIN RD
 FROM: BOND RD
 TO: SHELDON RD

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)	52 MPH
Average Speed	48.2 MPH
10 mph Pace	44 MPH - 53 MPH
Percent in Pace	78.0%

COLLISION RATE	0.36
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	22,805
9/2021	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,289 FT
Roadway Width	74-112 FT
Number of Lanes	4
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
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EXPIRATION DATE	12/13/30
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: ELK GROVE FLORIN RD

SURVEY DATE: 12/13/2023

LIMITS: BOND RD to SHELDON RD

TIME: 9:30AM - 10:20AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE	POSTED SPEED LIMIT:	45	WEATHER:	DRY/CLEAR	OBSERVER:	Abra Rattanasamay
69				85th PERCENTILE	52 MPH	AVERAGE SPEED	48.2 MPH
68				10 MPH PACE SPEED	FROM 44 MPH	TO	53 MPH
67				% UNDER PACE	14.0%	% IN PACE	78.0%
66						% OVER PACE	8.0%
65							
64							
63							
62							
61							
60							
59							
58							
57							
56							
55	3						
54	5						
53	7						
52	8						
51	11						
50	6						
49	7						
48	8						
47	14						
46	5						
45	6						
44	6						
43	5						
42	3						
41	3						
40	2						
39	1						
38							
37							
36							
35							
34							
33							
32							
31							
30							
29							
28							
27							
26							
25							
24							
23							
22							
21							
20							
TOTAL	100						

85th PERCENTILE	52 MPH	AVERAGE SPEED	48.2 MPH
10 MPH PACE SPEED	FROM 44 MPH	TO	53 MPH
% UNDER PACE	14.0%	% IN PACE	78.0%
		% OVER PACE	8.0%

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): 5,289

WIDTH (FEET) 74 - 112

MEDIAN: YES

NUMBER OF LANES: 4

BIKE LANES YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
22,805	NUMBER OF COLLISIONS	6	
Date: 9/2021	COLLISIONS RATE (MVM)	0.36	

COMMENTS:

EXHIBIT J



City of Elk Grove Department of Public Works Engineering and Traffic Survey

Elk Grove Florin Rd From
Sheldon Rd to Calvin Rd

Discussion:

Elk Grove Florin Road from Sheldon Road to Calvin Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential and commercial. The segment of roadway features four striped travel lanes, with bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Elk Grove Florin Road on 12/14/2023. The 85% (prevailing) speed was measured at 51 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Elk Grove Florin Road was 0.61 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 51 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/13/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: ELK GROVE FLORIN RD
 FROM: SHELDON RD
 TO: CALVINE RD

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)	51 MPH
Average Speed	47.4 MPH
10 mph Pace	43 MPH - 52 MPH
Percent in Pace	86.0%

COLLISION RATE	0.61
11/30/2021-11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	26,664
9/2020	VPD

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

ROADWAY GEOMETRY	
Segment Length	5,296 FT
Roadway Width	70-112 FT
Number of Lanes	4-5
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
-------------------------	--

EXPIRATION DATE	12/14/30
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: ELK GROVE FLORIN RD

SURVEY DATE: 12/14/2023

LIMITS: CALVINE RD to SHELDON RD

TIME: 9:30AM - 10:30AM

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

45

WEATHER:

DRY/CLEAR

OBSERVER:

Abra Rattanasamay

69	
68	
67	
66	
65	
64	
63	
62	
61	
60	1
59	1
58	
57	1
56	
55	2
54	2
53	1
52	4
51	6
50	3
49	3
48	9
47	16
46	8
45	9
44	10
43	6
42	2
41	1
40	1
39	
38	
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	86

85th PERCENTILE	51 MPH	AVERAGE SPEED	47.4 MPH
10 MPH PACE SPEED	FROM 43 MPH	TO 52 MPH	
% UNDER PACE	4.7%	% IN PACE	86.0%
		% OVER PACE	9.3%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 checked="" type="checkbox"/>
PLACE OF WORSHIP	<input checked="" type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,296
WIDTH (FEET)	70 - 117
MEDIAN:	YES
NUMBER OF LANES:	4-5
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
26,664	NUMBER OF COLLISIONS	12	
Date: 9/2020	COLLISIONS RATE (MVM)	0.61	

COMMENTS:

EXHIBIT K



City of Elk Grove Department of Public Works Engineering and Traffic Survey Whitelock Pkwy From Franklin Blvd to Bruceville Rd

Discussion:

Whitelock Parkway from Franklin Boulevard to Bruceville Road is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily residential. The segment of roadway features four striped travel lanes, medians, bike lanes, and is adjacent to residential communities.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Whitelock Parkway on 03/07/2024. The 85% (prevailing) speed was measured at 49 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Whitelock Parkway was 0.66 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 45 MPH. This is based on the 49 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.6 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
45 MPH**

Other Agency Review:

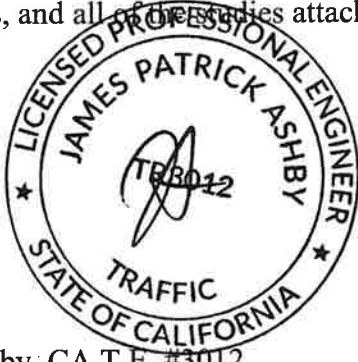
Engineering and Traffic Survey
Whitelock Pkwy from Franklin Blvd to Bruceville Rd

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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/3/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: **WHITELOCK PKWY**
 FROM: FRANKLIN BLVD
 TO: BRUCEVILLE RD

- 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	45.4 MPH
10 mph Pace	39 MPH - 48 MPH
Percent in Pace	78.0%

COLLISION RATE	0.66
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	14,339
10/2021	VPD

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

ROADWAY GEOMETRY	
Segment Length	9,894 FT
Roadway Width	70-95 FT
Number of Lanes	4
Bike Lane	YES
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
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EXPIRATION DATE	03/07/31
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: **WHITELOCK PKWY**

SURVEY DATE: 3/7/2024

LIMITS: FRANKLIN BLVD to BRUCEVILLE RD

TIME: 9:14AM - 10:08AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	3
53	4
52	3
51	4
50	1
49	4
48	6
47	10
46	14
45	7
44	14
43	5
42	6
41	7
40	4
39	5
38	3
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER:

DRY/CLEAR

OBSERVER:

Salvador Martinez-Navarro

85th PERCENTILE	49 MPH	AVERAGE SPEED	45.4 MPH
10 MPH PACE SPEED	FROM 39 MPH	TO 48 MPH	
% UNDER PACE	3.0%	% IN PACE	78.0%
		% OVER PACE	19.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 checked="" type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	9,894
WIDTH (FEET)	70-95
MEDIAN:	YES
NUMBER OF LANES:	4
BIKE LANES	YES

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
14,339	NUMBER OF COLLISIONS	13	
Date: 10/2021	COLLISIONS RATE (MVM)	0.66	

COMMENTS:

EXHIBIT L



City of Elk Grove Department of Public Works Engineering and Traffic Survey Whitelock Pkwy From Bruceville Rd to Big Horn Blvd

Discussion:

Whitelock Parkway from Bruceville Road to Big Horn Boulevard is a four lane arterial in the City of Elk Grove. The adjacent land uses are primarily commercial and residential. The segment of roadway is along a multi-use path and park corridor, generating a high volume of pedestrians and bicyclists.

The road is currently posted at 45 MPH.

Prevailing Speeds:

A radar measuring device was used to establish the free flow speed along Whitelock Parkway on 03/07/2024. The 85% (prevailing) speed was measured at 45 MPH.

The survey form is attached.

Collision History:

Between 11/30/2021 to 11/29/2023 the collision rate for this segment of Whitelock Parkway was 0.4 coll/MVM (collisions per million vehicle miles traveled). This is below the citywide average of 1.54 coll/MVM.

Recommendation:

Set the speed limit to 40 MPH. This is based on the 45 MPH prevailing speed rounded to the nearest 5 MPH increment and then applying a 5 MPH reduction per Section 22358.7 of the California Vehicle Code.

**ESTABLISHED
SPEED LIMIT
40 MPH**

Engineering and Traffic Survey
Whitelock Pkwy from Bruceville Rd to Big Horn Blvd

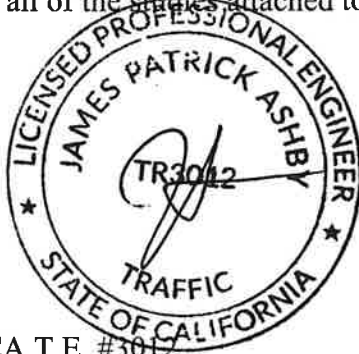
Other Agency Review:

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.

Signature:



James P. Ashby, CA T.E. #3012

Date: 4/15/24

Attachment – Vehicle Speed Survey Sheet
Map



STREET NAME: WHITELOCK PKWY
 FROM: BRUCEVILLE RD
 TO: BIG HORN BLVD

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	42 MPH
10 mph Pace	38 MPH - 47 MPH
Percent in Pace	96.0%

COLLISION RATE	0.4
11/30/2021 - 11/29/2023	COLL/MVM

AVERAGE DAILY TRAFFIC	13,649
08/2019	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	5,333 FT
Roadway Width	62-94 FT
Number of Lanes	4
Bike Lane	NO
Median	YES

PROPOSED SPEED LIMIT	45 MPH
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Date Ordinance Adopted	
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Date Speed Limit Posted	
-------------------------	--

EXPIRATION DATE	03/07/31
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City of Elk Grove
Public Works Department
8401 Laguna Palms Way - Elk Grove, California 95758

Radar Speed Survey

SURVEY LOCATION: WHITELOCK PKWY

SURVEY DATE: 3/7/2024

LIMITS: BRUCEVILLE RD to BIG HORN BLD

TIME: 10:20AM - 11:19AM

VEHICLE SPEED (MPH)	TOTAL VEHICLE
69	
68	
67	
66	
65	
64	
63	
62	
61	
60	
59	
58	
57	
56	
55	
54	
53	
52	
51	
50	
49	1
48	3
47	5
46	6
45	6
44	13
43	6
42	5
41	21
40	14
39	10
38	10
37	
36	
35	
34	
33	
32	
31	
30	
29	
28	
27	
26	
25	
24	
23	
22	
21	
20	
TOTAL	100

POSTED SPEED LIMIT:

45

WEATHER: DRY/CLEAR

OBSERVER: Salvador Martinez-Navarro

85th PERCENTILE	45 MPH	AVERAGE SPEED	42. MPH
10 MPH PACE SPEED	FROM 38 MPH	TO 47 MPH	
% UNDER PACE	0.0%	% IN PACE	96.0%
		% OVER PACE	4.0%

ROADSIDE CONDITIONS	
PREDOMINANT LAND USE	
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 checked="" type="checkbox"/>
PLACE OF WORSHIP	<input type="checkbox"/>
ON STREET PARKING	
HEAVY	<input type="checkbox"/>
MODERATE	<input type="checkbox"/>
LIGHT	<input type="checkbox"/>
NO PARKING	<input checked="" type="checkbox"/>
ROADWAY GEOMETRY	
SEGMENT LENGTH (FEET):	5,333
WIDTH (FEET)	62-94
MEDIAN:	YES
NUMBER OF LANES:	4
BIKE LANES	NO

AVERAGE DAILY TRAFFIC	COLLISION HISTORY (2 YEARS)	11/30/2021	11/29/2023
13,649	NUMBER OF COLLISIONS	4	
Date: 8/2019	COLLISIONS RATE (MVM)	0.40	

COMMENTS:

CERTIFICATION
ELK GROVE CITY COUNCIL ORDINANCE NO. 02-2024

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 April 24, 2024, and approved, and adopted by the City Council of the City of Elk Grove at a regular meeting of said Council held on May 8, 2024, by the following vote:

AYES: **COUNCILMEMBERS:** *Singh-Allen, Brewer, Robles, Spease, Suen*

NOES: **COUNCILMEMBERS:** *None*

ABSTAIN: **COUNCILMEMBERS:** *None*

ABSENT: **COUNCILMEMBERS:** *None*

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



Jason Lindgren, City Clerk
City of Elk Grove, California