



Kildeer Police Department

21911 Quentin Road
Kildeer, IL 60047

Jeffrey G. Lilly - Chief of Police



Local Traffic Mitigation Policy

MISSION STATEMENT

Promote safer streets and lessen impact of non-local traffic in residential areas of the Village through traffic analysis, control, enforcement and education.

PURPOSE

To establish a process to determine the impact of prevailing traffic issues in residential areas and to receive, assess and prioritize requests for traffic mitigation in residential areas of the Village.

DEFINITIONS

Traffic mitigation workgroup :

Consists of Village staff including the public works director, chief of police, and chairperson of Public Works Committee.

Basic traffic information:

Consists of the identification of local traffic districts, cut-through traffic districts, local traffic factor, and local speed norm.

Local traffic district:

Geographic area of 25 or more homes that generally services local residential traffic. Local traffic districts are defined by the Traffic Mitigation Workgroup.

Cut-through district

Local traffic district where street geography provides for an alternative route for non-local traffic to travel between two or more areas.

Traffic mitigation options:

Various methods for reducing the prevailing speed and/or volume of traffic in a specific area, including the following:

- Public education including newsletter articles, notices to HOA's
- Placement of radar trailer
- Creation of or increase in existing STEP assignments by police
- Increased traffic enforcement patrols including "wolfpack" speed enforcement details
- Signage changes

- Turn restrictions
- Lane width restrictions

Local traffic factor:

Established by Village engineer as ten trips per day per household or calculated by counting traffic volume in local traffic districts that are not subject to cut-through traffic such as Bishops Ridge and Beacon Hill and factoring those volumes by the number of households in those districts.

Local volume norm:

Number of households in the local traffic district multiplied by the local traffic factor.

Local speed norm:

Average speed at the longest unimpeded segment of road in each of the six local traffic districts in aggregate as determined by seven day analysis and weighted by traffic volume for that area.

Cut through traffic ratio:

Calculated as the average of the daily volume of traffic in a district during a seven day analysis divided by the local volume norm for that district.

Local speed violation ratio:

Calculated as the average speed of traffic in a district during a seven day analysis divided by the local speed norm.

Severity level:

Problem severity is determined by the calculated ratio for the traffic control problem. Severity levels are classes as follows:

Ratio	Severity
0 – 1	None
1 – 1.25	Minor
1.25 – 1.75	Moderate
1.75 +	Severe

Preliminary Traffic Study:

Performed by the Police Department with the assistance of the Public Works Department. Consists of the following steps documented in a written report:

- Step 1 shall be a written description of the nature of the roadway in question and shall include the average road width, road condition, average number of driveways per mile, the posted speed limit and a description of all traffic control signage. Step 1 shall also include a five year crash history provided by the Police Department of both the street in question and the aggregate for the local traffic area.
- Step 2 shall be an analysis of traffic volume and/or speed conducted over a minimum seven day period including all five weekdays and both weekend days. The analysis shall be conducted during a time when there are no holidays and should be done whenever possible in clear weather and road conditions. The volume study shall include daily traffic volume in each direction with peak AM and peak PM hours and shall include vehicle class. The speed study shall consist of an analysis of traffic speed in each direction and shall include the 85th percentile speed and average speed.
- Step 3 shall be the calculation of the local speed violation ratio and/or the cut through traffic ratio as defined in this policy.

IMPLEMENTATION

Maintenance of Basic Traffic Information and Forms

The Village of Kildeer shall establish and identify the following, which shall be listed as an appendix at the end of this policy and updated on a regular basis.

- Local traffic districts shall be identified and a current count of households shall be maintained for each district.
- Cut-through districts shall be identified.
- The local traffic factor shall be ten trips per day per household as determined by the Village Engineer, or shall be calculated as defined in this policy.
- Local speed norm shall be calculated as defined in this policy. The beginning local speed norm for this policy shall be based on the last four years of speed data as compiled by the Kildeer Police Department.

The Village of Kildeer shall design a traffic mitigation request form and make that form and this policy available to the public upon request. This policy shall be provided to any person or organization requesting a traffic mitigation request form for the purposes of filing a request.

Process of Request Forms

Upon a completed traffic mitigation request form received from a Homeowner's Association representing a local traffic district with signatures from 25% of the households in that district, the Village of Kildeer Traffic Mitigation Workgroup shall initiate a preliminary traffic study in that Local Traffic District. If a local traffic district is not represented by an HOA, then a spokesperson from that district may present a request form with 33% of the households in that district.

Traffic mitigation requests that are based on individual specific traffic violations or complaints do not fall under this policy and will be turned over to the Police Department for follow up as required.

If a preliminary traffic study of the same area has been conducted or requested during the prior twelve month period, the results of the earlier traffic study may be used by the Traffic Mitigation Workgroup to address the latest request.

Upon completion of the preliminary traffic study, the Traffic Mitigation Workgroup shall meet to discuss the findings of that study. In general, findings with a severity level other than moderate or severe do not warrant further action on the request. Findings with a severity level of moderate to severe shall be studied further by the Traffic Mitigation Workgroup to determine whether any of the traffic mitigation options defined in this policy are warranted. The Traffic Mitigation Workgroup shall forward their written recommendations on all mitigation requests to the Village of Kildeer Public Works Committee.

The Public Works Committee shall review the findings and recommendations of the Traffic Mitigation Workgroup. If there is a recommendation for action involving the establishment of turn restrictions or lane width restrictions that affect the movement of the residents of the local traffic area, a written survey shall be provided to the appropriate homeowners association listing the options recommended by the workgroup. No turn restrictions or lane width changes shall be authorized by the Village without an affirmative poll of 66% of the households within that local traffic district.

Irrespective of the above, no changes in vehicular movement restrictions will be authorized if that change is not supported by statutory law or best engineering practices as determined by the Public Works Committee.

The results of the Preliminary Traffic Study and the findings of the Traffic Mitigation Workgroup and the Public Works Committee shall be provided to the individual or organization that initiated the traffic mitigation request. An additional copy of the findings along with a copy of the mitigation request form shall also be forwarded to the president of the homeowners association responsible for the appropriate local traffic district.

The actions of the Public Works committee are reviewable by the Committee of the Whole upon a written request by the affected local geographic area provided that at least 66% of the households within that area are signatory to that review request.

Compulsory Traffic Studies

Upon notification by the Police Department of any motor vehicle crash involving death or serious injury or any crash involving injury to a bicyclist or pedestrian that occurs in a local traffic district, the Traffic Mitigation Workgroup shall conduct a preliminary traffic study in the area of the incident. The results of that study, along with the findings of the police investigation shall be reviewed to determine the contributing factors to the incident and to determine whether or not further action is required. Those findings shall be forwarded to the Public Works Committee for review.

Maintenance of Records

A copy of all traffic mitigation requests, preliminary traffic studies, findings and recommendations, shall be kept in the Village Hall and readily available at the front desk for review or reference.

APPENDIX A

REQUEST FORM – See following page

APPENDIX B

PRELIMINARY TRAFFIC STUDY FORM – See following page

Village of Kildeer
 21911 N Quentin Road
 Kildeer, IL 60047
 (847) 438-6000

Traffic Mitigation Workgroup
Preliminary Traffic Study Worksheet

LOCATION INFORMATION

Location of Request (Address)		Local Traffic Area	Households served		
Road Name		List Endpoints			
Road Width (ft)	Road Length (ft)	Average Driveways/Mile	5 year crash data (Road)	5 year crash data (Area)	

NOTES ON REQUEST

Road description including observed sight line obstructions, curves, hills and valleys		Shoulder construction <input type="checkbox"/> None <input type="checkbox"/> Dirt/Grass <input type="checkbox"/> Gravel/Paved <input type="checkbox"/> Curb and Gutter

TRAFFIC STUDY INFORMATION

Study dates	Study location
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VOLUME STUDY

DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND
DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND
LOCAL VOLUME NORM	7 DAY CUT-THROUGH RATIO			WEEKEND CUT-THROUGH RATIO			WEEKDAY CUT-THROUGH RATIO			

SPEED STUDY (Average Speed)

DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND
DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND

SPEED STUDY (85th Percentile Speed)

DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND
DIRECTION	SUN	MON	TUE	WED	THU	FRI	SAT	AVG	WKDAY	WKEND
AVG LOCAL SPEED NORM	7 DAY LOCAL SPEED RATIO			WEEKEND LOCAL SPEED RATIO			WEEKDAY LOCAL SPEED RATIO			
85 th LOCAL SPEED NORM	85 th 7 DAY LOCAL SPEED RATIO			85 th WEEKEND LOCAL SPEED RATIO			85 th WEEKDAY LOCAL SPEED RATIO			

COMMENTS

SUBMITTED BY	SUBMISSION DATE	APPROVED BY (Public Works Committee)
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APPENDIX C

SCHEDULE OF LOCAL TRAFFIC DISTRICTS As determined by the Local Traffic Mitigation Workgroup

Beacon Hill	Total: 91 households
Providence Drive	50
Chadwick Court	5
Williamsburg Court	6
Chesapeake Drive	19
Prescott Court	11
Bishops Ridge	Total: 91 households
Cambridge Drive	41
Thornridge Drive	12
Timberlea Lane	7
Burning Tree Court	8
Timber Ridge Court	5
Honey Ridge Court	8
Abbey Court	4
Barkley Court	3
Pine Grove Court	3
Boschome/ LG Valley	Total: 124 households
Boschome Drive	12
Boschome Circle S.	10
Boschome Circle N.	15
Barbara Court	1
Grove Drive	15
Linden Lane	8
Cliffside Drive	9
Oak Trail	3
Buffalo Run	16
York Court	7
Willow Drive	7
Valley Drive	17
Oak Knoll Court	4
Farmington	Total: 166 households
Middleton Drive	30
Lexington Lane	11
Andover Road	48
Vermont Court	5
Exeter Road	19
Brandon Road	20
Hickory Hill Drive	15
Acorn Court	6
Hampton Court	12

Fawn Meadows	Total: 28 households
Eleanor Ln	6
Evergreen Ct	2
Rebecca Ln	4
Ruth Ct	8
Amy Ln	8

Foxborough	Total: 68 households
Greenwood Drive	9
Bridle Trail	18
Foxtail Drive	32
Windsor Court	3
Windsor Drive	6

Heron's Crossing	Total: 60 households
Creekside Drive	17
Prairie Lake Place	5
Ridgewood Lane	15
Heron's Court	1
Woodcrest Lane S.	12
Woodcrest Lane N.	10

Meadowridge I&II	Total: 50 households
Yorkshire Dr	24
Newberry Ct	5
Clayton Ct	4
Richmond Ct	3
Hopewell Ct	5
Laurel Ln	9

Pine Valley	Total: 95 households
Chestnut Ridge Road	26
White Pine Road	20
Highwood Road	24
Hawthorn Lane	1
Maple Court	4
Elder Court	3
Tree Road	6
Little Pond Road	11

Ponds	Total: 84 households
Swan Court	12
Quail Court	8
Morning Dove Court	16
Mocking Bird Court	12
Meadowlark Drive	18
Meadowlark Court	6

Hummingbird Court	6
Goldfinch Court	6

Prairie Creek	Total: 53 households
Prairie Ln	44
Prairie Ct	3
Savanna Ln	6

Prestonfield/Kildeer Glen	Total: 81 households
Plumwood Dr	24
Middleton Dr	2
Meadows Ct	7
Long Meadows Dr	6
Weatherstone Rd	25
Chartwell Dr	17

Tall Oaks	Total: 54 households
Tall Oaks Ct	7
Tall Oaks Dr	16
High Ridge Dr	25
Tiffany Ct	6

APPENDIX D

SCHEDULE OF CUT-THROUGH DISTRICTS

As determined by the Local Traffic Mitigation Workgroup

Boschome/Long Grove Valley

Farmington

Foxborough

Pine Valley