

Road Services Division 2005 Annual Traffic Safety Report



Department of Transportation
Road Services Division

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Capital Improvement Program
124th Avenue SE

Project No.: 400206

Project limits: SE 202nd Place to SE 208th Street

Current phase: Bid/Contract Award

Project type: Safety

Thomas Bros. Map No.: 686F4

Project description

Construct pedestrian pathway on west side of road.

Why is King County doing this project?

This project has been identified as a high priority by the School Pathways Program.



King County

Department of Transportation

Road Services Division
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1.0 EXECUTIVE SUMMARY

During 2005, a total of 2,929 collision reports were filed within unincorporated King County. These included 20 fatal and 1083 injury collisions, 1678 property damage only collisions and 148 unknown collisions. Using \$1M for fatalities, \$65,000 for injuries, and \$6000 for property damage only collisions the estimated societal cost was \$101.3 million..

Executive Summary Table A			
Societal Costs			
	2005	2005	2005
Most Severe Injury Type	Collision Reports		Estimated Cost
Dead at Scene	16		
Dead on Arrival	0		
Died in Hospital	4	20	\$20,000,000
Disabling Injury	92		
Evident Injury	407		
Possible Injury	584	1083	\$70,395,000
No Injury	1678	1678	\$10,068,000
Unknown	148	148	\$888,000
Total		2929	\$101,351,000

This report reviews collision trends within unincorporated King County and the safety related programs utilized by the King County Department of Transportation (KCDOT) in the ongoing effort to reduce the number and severity of these collisions. This is intended to provide critical information that can be used to better allocate limited safety funds, increase driver awareness of safety concerns, and improve the safety of the traveling public. (Note that the number of fatalities for 2005 was 24 since some collisions resulted in multiple fatalities.)

This report is prepared by the Road Services Division's Traffic Engineering Section, and is an integral part of KCDOT's Safety Management System.

1.1. Trends

Annexations and incorporations have significantly reduced the size of unincorporated King County over the past ten years. As a result, the population, maintained road miles, and annual miles driven on county roadways have decreased.

It is necessary to account for these external factors when comparing 2005 collisions with data from previous years. To allow direct comparison, the data is “normalized” using the estimated collision rate (collisions per million vehicle miles traveled) for vehicular collisions, and using collisions per 100,000 population for pedestrian and bicycle collisions. The estimated collision rate (collisions per million vehicle miles) has fluctuated over the last five years, varying between 1.05 and 1.20 with a slightly increasing trend. Pedestrian and bicycle collision rates (collisions per 100,000 population) has also fluctuated, varying between 9.15 and 12.23 and 5.72 and 10.24 respectively with a slightly increasing trend since 2001.

TRAFFIC VOLUMES, ROAD MILES, AND COLLISION RATES					
		Average Daily Traffic Volumes (ADT)	Maintained Road Miles	Annual Million Miles Driven	Estimated Collision Rate
Year	Total Collision Reports	All County Roads	County Arterials	All County Roads	All County Roads
2001	2320	6,635	1,832	2,218	1.05
2002	2617	6,635	1,895	2,295	1.14
2003	2698	6,531	1,883	2,244	1.20
2004	2774	7,238	1,859	2,456	1.13
2005	2929	7,177	1,856	2,431	1.20

Year	Population	Pedestrian		Bicycle	
		Collisions	Collision Rate*	Collisions	Collision Rate
2001	349,773	32	9.15	20	5.72
2002	351,675	43	12.23	36	10.24
2003	351,843	40	11.37	23	6.54
2004	356,795	35	9.81	27	7.57
2005	364,498	43	11.80	28	7.68

(* Collision rate is collisions per 100,000 population.)

