

Urbana Police Department Memorandum

TO: Mayor Prussing; Council Members **Date:** September 5, 2007
FROM: Chief Michael F. Bily
RE: 2006 Traffic Stop Study Results and Analysis

Attached is the 2006 Illinois Traffic Stop Study report published by the Illinois Department of Transportation. As you might recall, Illinois law mandates that certain information be collected on all traffic stops by every law enforcement agency in the State of Illinois. This information is then transmitted to the Illinois Department of Transportation who then forwards it to Northwestern University for compilation and analysis.

The 2005 report is also attached for comparison purposes. You will notice that we made 960 more traffic stops in 2006 than we did in 2005. I believe that this can be attributed to the improvement in our available manpower in 2006. While making 960 additional traffic stops in 2006 our minority stop ratio increased from 1.44 in 2005 to 1.53 in 2006. This ratio is based on our "assigned" minority driving population. The Urbana Police 2006 data indicates that minorities are stopped at a rate higher than our assigned "estimated minority driving population" which according to Northwestern University is 30.62%. Our minority percentage of traffic stops in this report is 46.92%, which gives us the minority traffic stop ratio of 1.53. It is important to note that neither the law, nor Northwestern University has identified what the proper benchmark is as it pertains to minority stops. Each community has its own unique variables that must be considered.

During the past year, my command staff and I have spent a significant amount of time analyzing the numbers contained in this report. We do not believe that Urbana Police Officers are stopping vehicles solely based on the race of the driver. We have taken many additional steps to ensure this does not occur in Urbana. Statistical information can be misleading. Many communities are challenging the assigned number that designates the "estimated minority driving population". This is a time consuming and expensive proposition. I believe our time, effort and money are better spent taking the necessary steps to ensure that racial profiling is not occurring within our department. Champaign has recently challenged their assigned minority driving population number and was successful in gaining a favorable adjustment.

The sole goal and purpose of this study should not be to attempt to make the minority stop ratio a perfect "1". I believe this would be manipulating the numbers at the expense of the citizens we attempt to serve.

Contained in this report is not only the information required by state law, but additional breakdowns of related information concerning the 4015 traffic stops from 2006. I believe this information is helpful to get a more accurate picture of the information provided in the one page state report. The breakdowns denoted in the tables provide a look at not only racial demographics, but also includes age, location, times and dispositions of the stops. Additionally, calls for service are included as well as the various demographic information surrounding those calls.

We continue to believe there is a strong correlation between the calls for service and the areas that show the higher numbers of traffic stops. Traffic stops are a component of an overall approach to dealing with criminal problems in any given location.

Our Strategic Traffic Enforcement Program (STEP) has an impact on our overall traffic stop numbers. Of the 4015 total traffic stops, 1126 were made as a direct result of the officers working STEP. STEP

locations are assigned based largely on complaints or requests from citizens or in areas of high traffic accident locations.

During last year's discussion of this topic it became apparent that a zip code analysis of those stopped would be helpful. New in this year's report is the zip code breakdown of the drivers for all 4015 traffic stops. It is certainly noteworthy that of the 4015 traffic stops 53% listed an Urbana zip code as their residence while 43% lived outside of the city.

To further put the 2006 Urbana Traffic Stop Study report into context, I have reviewed other central Illinois police department's Traffic Stop reports. That information is listed below.

Ratios of Traffic Stops per the Assigned Minority Driving Population:

	<u>2004</u>	<u>2005</u>	<u>2006</u>
Statewide average	1.15	1.12	1.13
Champaign County	1.02	1.08	1.11
U of I	1.28	1.30	1.37
Danville	1.45	1.42	1.46
Urbana	1.47	1.44	1.53
Normal	1.60	1.97	2.06
Mattoon	1.60	1.92	1.81
Champaign	1.71	1.63	1.37
Peoria	1.71	1.72	1.68
Charleston	1.77	1.98	1.92
Rantoul	1.84	1.93	1.73
Bloomington	1.87	1.67	1.62
Decatur	2.12	2.11	2.16
Springfield	2.66	2.13	2.25

Statistical numbers can be interpreted to mean different things to different people. There are many variables associated with this study and determining the true meaning of the numbers makes it difficult for everyone to agree.

Anti-bias based policing remains an important oversight responsibility of the command staff at the Urbana Police Department. This is a responsibility that we take quite seriously. We must remain responsive to the community that we serve. I want to be clear that racial profiling will not be tolerated at the Urbana Police Department. We will continue to take the appropriate steps to make sure that traffic stops are being made because of behavior and not race.

Those steps include:

- The Urbana Police Directive which prohibits racial profiling will continue to be the subject of training during our department wide training sessions. This directive, and issues surrounding it, will continue to be included in any new officer training.
- Individual Officer's traffic stop numbers and related demographics associated with those traffic stops will continue to be monitored on a regular basis by the Officer's immediate supervisors as well as the Patrol Commander.
- We have just finished with the installation of a quality digital video system in all of our marked squad cars. This will greatly improve the ability of our supervisors to conduct random evaluations of officer's traffic stops.

- The entire department will undergo diversity training in the Fall of 2007.
- We will continue to actively investigate all allegations of racial profiling brought to our attention.
- The contents of this report will be discussed during shift briefings so that all Urbana Police Officers who are engaged in making traffic stops are fully aware of the collective numbers.
- While we continue to encourage anyone who believes they have been the victim of racial profiling to contact my office, the pending Civilian Police Review Board should provide another avenue to express this concern.

I intend to have discussion with those responsible for the data analysis at Northwestern University over the possible inaccuracy of our assigned minority driving population. The issues that I believe may impact the accuracy of our assigned driving population include:

- Community Development reports that Urbana housing stock is 63% rental (37% owner occupied) compared to Champaign which has 54% rental (46% owner occupied) and finally the state average of 37% rental (63% owner occupied). It is a reasonable assumption that rental property provides a more transient population over a longer period of time, than would owner occupied housing. Therefore, the number assigned by Northwestern University for the Urbana minority driving population is likely to be more uncertain than other jurisdictions due to the relatively high number of rental properties.
- Zip Code data indicates that only 53% of those stopped are Urbana residents.
- Champaign had their estimated driving population adjusted upward by 5.4% for 2006.
- High School population data indicates a shift in Urbana demographics since 2000.

STUDENT – Racial / Ethnic Background - URBANA SCHOOL DISTRICT 116

YEAR	Caucasian	African American	Hispanic	Asian / Pacific Islander	Native American	Multi-racial / Ethnic	TOTAL ENROLLMENT
2006	49.6	33.6	4.5	5.7	0.3	6.3	4,128
2005	50.1	33.3	4.3	6.1	0.2	6.0	4,264
2004	52.4	36.5	4.3	6.6	1.2	-	4,309
2003	55.4	33.3	3.2	7.9	0.2	-	4,369
2002	56.8	32.7	3.0	7.3	0.2	-	4,424
2001	59.3	30.7	2.5	7.3	0.3	-	4,410
2000	59.9	29.6	2.5	7.6	0.3	-	4,551

TABLE OF CONTENTS

2006 Urbana Police Traffic Stop Study	5
2005 Urbana Police Traffic Stop Study	6
Breakdown of Minority Stops by Race	7
IDOT Reported Demographic Breakdown of Minority Driving Population	7
Breakdown of 2006 Traffic Stops by Race, Age and Gender	7
2006 Accident Data Broken Down by Race	7
2006 Speeding Tickets by Race	8
2006 Speeding Tickets by Age	8
Traffic Stops by Beat Assignment Broken Down by Race	8
Traffic Stops by Beat Assignment Broken Down by Race and Time of Day	9
Equipment Violations	10
License/Registration Violations	10
Moving Violations	10
Basis for Stop by Race – Moving Violations	10
Type of Stop by Race	11
Disposition of Traffic Stops by Race	11
Consent Searches	12
2006 Calls for Service by Beat	12
2006 Customer Service Broken Down by Race and Type of Involvement	12
2006 Customer Service Broken Down by Age and Gender	13
2006 STEP Traffic Stops Broken Down by Beat	13
2006 STEP Citations Broken Down by Beat	13
2006 Residency by Beat	14
Beat Deployment Map	15

Illinois Traffic Stop Study, 2006

Agency: URBANA POLICE

▪ Stops

	Caucasian Drivers	Minority Drivers
Total Stops	2131	1884
Percentage Stops	53.08 %	46.92 %
Estimated Minority Driving Population		30.62
Ratio		1.53

▪ Reason for Stop

	Caucasian Drivers		Minority Drivers	
Total	2131		1884	
Moving Violations	1704	79.96 %	1346	71.44 %
Equipment Violations	307	14.41 %	425	22.56 %
Licensing / Registration Violations	120	5.63 %	113	6.00 %

▪ Outcome of Stop

	Caucasian Drivers		Minority Drivers	
Total	2131		1884	
Citation	1229	57.67 %	1178	62.53 %
Written Warning	902	42.33 %	706	37.47 %
Verbal Warning / Stop Card	0	.00 %	0	.00 %

▪ Searches

	Caucasian Drivers	Minority Drivers
Total	2131	1884
Consent Searches	3	9

Key Indicators		Total	Caucasian	African American	Hispanic	Asia	Am. Indian	N/S
Stops		4015	2131	1401	138	344	1	0
Reason for Stop	Moving	3050	1704	953	107	285	1	0
	Equipment	732	307	354	20	51	0	0
	License	233	120	94	11	8	0	0
	N/S	0	0	0	0	0	0	0
Outcome of Stop	Citation	2407	1229	843	113	221	1	0
	Written Warning	1608	902	558	25	123	0	0
	Verbal Warning/ SC	0	0	0	0	0	0	0
	N/S	0	0	0	0	0	0	0
Searches	Consent	12	3	7	2	0	0	0

Illinois Traffic Stop Study, 2005

Agency: **URBANA POLICE**

Stops

	Caucasian Drivers	Minority Drivers
Total Stops	1707	1348
Percentage Stops	55.88%	44.12%
Estimated Minority Driving Population		30.62%
Ratio		1.44

Reason For Stop

	Caucasian Drivers		Minority Drivers	
Total	1707		1348	
Moving Violations	1406	82.37%	974	72.26%
Equipment Violations	230	13.47%	297	22.03%
Licensing/Registration Violations	71	4.16%	77	5.71%

Outcome of Stop

	Caucasian Drivers		Minority Drivers	
Total	1707		1348	
Citation	1070	62.68%	880	65.28%
Written Warning	637	37.32%	468	34.72%
Verbal Warning/Stop Card	0	0.00%	0	0.00%

Searches

	Caucasian Drivers		Minority Drivers	
Total	1707		1348	
Consent Searches	9		8	

Key Indicators		Total	Caucasian	Black	Hispanic	Asia	Am. Indian	N/S
Stops		3055	1707	1005	107	230	6	0
Reason For Stop	Moving	2380	1406	706	73	189	6	0
	Equipment	527	230	233	26	38	0	0
	License	148	71	66	8	3	0	0
	N/S	0	0	0	0	0	0	0
Outcome of Stop	Citation	1950	1070	642	78	156	4	0
	Written Warning	1105	637	363	29	74	2	0
	Verbal Warning/SC	0	0	0	0	0	0	0
	N/S	0	0	0	0	0	0	0
Searches	Consent	17	9	8	0	0	0	0

Table 1: Breakdown of Minority Stops by Race

Race of Driver	Total Stopped	Percentage of Total Stops
African American	1401	34.89%
Asian/Pacific Islander	344	8.57%
Caucasian	2131	53.08%
Hispanic	138	3.44%
Native American/Alaskan	1	0.02%
TOTAL:	4015	100.00%

from access db UrbanaPoliceData provided by IDOT

Table 2: IDOT Reported Demographic Numbers

Race	Total	Percentage
African American	3,875	12.19%
Asian/Pacific Islander	4,736	14.89%
Hispanic	1,084	3.41%
Native American	43	0.14%
Caucasian	21,428	67.39%
TOTAL:	31,799	100.00%

from IDOT

Table 3: Breakdown of 2006 Traffic Stops by Race/Age/Gender

Race	Gender	Under 17	17-21	22-31	32-41	42-51	52-61	OVER 61	Grand Total
African American	Female	4 50%	142 37%	214 39%	101 42%	51 35%	28 48%	10 38%	550
	Male	4 50%	239 63%	329 61%	138 58%	95 65%	30 52%	16 62%	851
African American Total:		8	381	543	239	146	58	26	1401
Asian/Pacific Islander	Female	0	16 29%	58 35%	27 38%	10 48%	10 53%	4 50%	125
	Male	0	40 71%	110 65%	45 63%	11 52%	9 47%	4 50%	219
Asian/Pacific Islander Total:		0	56	168	72	21	19	8	344
Caucasian	Female	11 55%	205 46%	322 43%	163 48%	135 48%	75 38%	44 42%	955
	Male	9 45%	243 54%	419 57%	178 52%	144 52%	122 62%	61 58%	1176
Caucasian Total:		20	448	741	341	279	197	105	2131
Hispanic	Female	0 0%	9 29%	11 19%	8 23%	0 0%	3 75%	0	31
	Male	1 100%	22 71%	48 81%	27 77%	8 100%	1 25%	0	107
Hispanic Total:		1	31	59	35	8	4	0	138
Native American/Alaskan	Female	0	0	1 100%	0	0	0	0	1
	Male	0	0	0 0%	0	0	0	0	0
Native American/Alaskan Total:		0	0	1	0	0	0	0	1
Grand Total:		29	916	1512	687	454	278	139	4015

from access db UrbanaPoliceData provided by IDOT

Table 4: Accident Data

RACE	# Drivers	Percentage
African-American	298	17.51%
Asian	144	8.46%
Caucasian	1188	69.80%
Hispanic	52	3.06%
Native American	1	0.06%
Unknown	19	1.12%
TOTAL:	1702	100.00%

source: ARMS

Table 5a: Speeding Tickets by Race

African American	Asian / Pacific Islander	Caucasian	Hispanic	Native American	Unknown	TOTAL
269	134	670	38	1	1	1,113
24.17%	12.04%	60.20%	3.41%	0.09%	0.09%	100.09%

source: ARMS

Table 5b: Speeding Tickets by Age

Under 17	17-21	22-31	32-41	42-51	52-61	Over 61	Total
22	293	403	189	118	65	23	1113
2%	26%	36%	17%	11%	6%	2%	100%

source: ARMS

Table 6: Traffic Stops by Beat Assignment Broken Down by Race

Driver Race	Beat 61	Beat 62	Beat 63	Beat 64	Other	Total by Race
African American	539	228	132	467	35	1401
	39%	30%	20%	40%	52%	35%
Asian/Pacific Islander	129	46	89	74	6	344
	9%	6%	14%	6%	9%	9%
Caucasian	649	453	416	587	26	2131
	48%	59%	64%	50%	39%	53%
Hispanic	48	38	18	34	0	138
	4%	5%	3%	3%	0%	3%
Native American/Alaskan	0	0	0	1	0	1
	0%	0%	0%	<1%	0%	0%
Total:	1365	765	655	1163	67	4015
	34%	19%	16%	29%	2%	100%

from access db UrbanaPoliceData provided by IDOT

Table 7: Distribution of Traffic Stops in Beats further broken down by Beat, Time of Day (correlates with Officer Shift times) and race:

Shift	Beat	African American	Asian / Pacific Islander	Caucasian	Hispanic	Native American	Grand Total
First 0700 - 1500	Beat 61	136	44	270	18	0	468
	Beat 62	41	10	132	9	0	192
	Beat 63	33	26	154	2	0	215
	Beat 64	105	27	194	10	0	336
	Other	6	2	11	0	0	19
1st Shift Total		321	109	761	39	0	1230
Second 1500 - 2300	Beat 61	235	53	231	21	0	540
	Beat 62	86	18	194	13	0	311
	Beat 63	40	34	155	9	0	238
	Beat 64	220	30	268	13	1	532
	Other	16	4	8	0	0	28
2nd Shift Total		597	139	856	56	1	1649
Third 2300 - 0700	Beat 61	168	32	148	9	0	357
	Beat 62	101	18	127	16	0	262
	Beat 63	59	29	107	7	0	202
	Beat 64	142	17	125	11	0	295
	Other	13	0	7	0	0	20
3rd Shift Total		483	96	514	43	0	1136
GRAND TOTAL		1401	344	2131	138	1	4015

from access db UrbanaPoliceData provided by IDOT

Table 8: Equipment Violations		
Race of Driver	Total Stopped	Percentage of Total Stops
African American	354	48.36%
Asian/Pacific Islander	51	6.97%
Caucasian	307	41.94%
Hispanic	20	2.73%
Total:	732	100.00%

from access db UrbanaPoliceData provided by IDOT

Table 9: License/Registration Violations		
Race of Driver	Total Stopped	Percentage of Total Stops
African American	94	40.34%
Asian/Pacific Islander	8	3.43%
Caucasian	120	51.50%
Hispanic	11	4.72%
Total:	233	100.00%

from access db UrbanaPoliceData provided by IDOT

Table 10: Moving Violations		
Race of Driver	Total Stopped	Percentage of Total Stops
African American	953	31.25%
Asian/Pacific Islander	285	9.34%
Caucasian	1704	55.87%
Hispanic	107	3.51%
Native American/Alaskan	1	0.03%
Total:	3050	100.00%

from access db UrbanaPoliceData provided by IDOT

Table 11: Basis for Stop by Race - Moving Violations (3,050 total stops)

Reason	African American	Asian	Caucasian	Hispanic	Native American
Traffic sign/signal	284	86	464	37	0
Follow too Close	0	0	3	0	0
Lane Violation	64	16	97	11	0
Other	206	26	228	16	0
Seat Belt	31	3	34	0	0
Speeding	368	154	878	43	1
Total:	953	285	1704	107	1
	31.25%	9.34%	55.87%	3.51%	0.03%

from access db UrbanaPoliceData provided by IDOT

TABLE 12A: Type of Stop Broken Down by Race

Type of Stop	African American	Asian / Pacific Islander	Caucasian	Hispanic	Native American	Total by Type of Stop	
Equipment	354 25%	51 15%	307 14%	20 14%	0 0%	732	18%
License / Registration	94 7%	8 2%	120 6%	11 8%	0 0%	233	6%
Moving Violations	953 68%	285 83%	1704 80%	107 78%	1 100%	3050	76%
TOTAL:	1401	344	2131	138	1	4015	100%

from access db UrbanaPoliceData provided by IDOT

TABLE 12B: Disposition of Traffic Stops by Race

Disposition Type	African American	Asian / Pacific Islander	Caucasian	Hispanic	Native American	Total by Disposition Type	
IVC	843 60%	221 64%	1229 58%	113 82%	1 100%	2407	60%
Warning	558 40%	123 36%	902 42%	25 18%	0 0%	1608	40%
TOTAL	1401	344	2131	138	1	4015	

from access db UrbanaPoliceData provided by IDOT

Table 13: Consent Searches

Race	Consent Searches	Contraband Found	
		Yes	No
African-American	7	1	6
Asian/Pacific Islander	0	0	0
Caucasian	3	0	3
Hispanic	2	0	2
Native American	0	0	0
	12		

from IDOT

Table 14: 2006 Calls for Service by Beat

BEAT	CALLS FOR SERVICE
61	4,864
62	3,374
63	2,931
64	8,438
Other	872
TOTAL	20,479

Source: Tiburon

Table 15: 2006 Customer Service Broken Down by Race and Type of Involvement

CONTACT	African American	Asian / Pacific Islander	Caucasian	Hispanic	Native American	Unknown	Total by Involvement
Offender	2,344 51%	208 4%	1,890 41%	100 2%	0 0%	93 2%	4,635
Other	1,945 36%	216 4%	3,149 58%	118 2%	1 <1%	41 1%	5,470
Reporting Person	331 23%	33 2%	1,049 73%	22 2%	0 0%	1 0%	1,436
Victim	1,802 39%	149 3%	2,516 54%	114 2%	2 0%	55 1%	4,638
Witness	806 36%	39 2%	1,365 60%	46 2%	1 0%	11 0%	2,268
TOTALS:	7,228 39%	645 3%	9,969 54%	400 2%	4 <1%	201 1%	18,447 100%

Source: ARMS

TABLE 16: 2006 Customer Service Broken Down by Age and Gender

CONTACT	AGE							Total by Involvement	GENDER			TOTAL GENDER
	<17	17-21	22-31	32-41	42-51	52-61	>61		MALE	FEMALE	UNKNOWN	
Offender	1,219 26%	1,018 22%	1,099 24%	580 13%	429 9%	186 4%	107 2%	4,638	2,961 64%	1,635 35%	42 1%	4,638
Other	685 13%	956 17%	1,259 23%	957 17%	827 15%	469 9%	317 6%	5,470	2,858 52%	2,612 48%	0 0%	5,470
Reporting Person	34 2%	77 5%	339 23%	425 29%	335 23%	181 12%	67 5%	1,458	674 46%	762 52%	22 2%	1,458
Victim	506 11%	876 19%	1,238 27%	781 17%	584 13%	325 7%	292 6%	4,602	2,092 45%	2,510 55%	0 0%	4,602
Witness	219 10%	370 16%	587 26%	474 21%	350 15%	202 9%	67 3%	2,269	1,180 52%	1,088 48%	1 0%	2,269
TOTALS:	2,663 14%	3,297 18%	4,522 25%	3,217 17%	2,525 14%	1,363 7%	850 5%	18,437 100%	9,765 53%	8,607 47%	65 0%	18,437

Source: ARMS

TABLE 17: STEP Traffic Stops Broken Down by Beat

BEAT 61	BEAT 62	BEAT 63	BEAT 64	OTHER	TOTAL
395	110	142	477	2	1,126

Source: ARMS

TABLE 18: STEP Citations Broken Down by Beat

	Citations Per Beat	%
BEAT 61	420	41%
BEAT 62	113	11%
BEAT 63	118	12%
BEAT 64	373	36%
TOTAL:	1,024	100%
Source: ARMS		

TABLE 19 – Residency by Beat

Race	Residency	Beat 61		Beat 62		Beat 63		Beat 64		Outside Urbana		TOTALS	
		#	%	#	%	#	%	#	%	#	%	#	%
AA	Urbana	275	51%	119	52%	70	53%	326	70%	13	37%	803	57%
AA	Champaign/Rantoul/Savoy	209	39%	85	37%	45	34%	118	25%	20	57%	598	43%
AA	Other Cities	55	10%	24	11%	17	13%	23	5%	2	6%		
	Total Contacts	539		228		132		467		35		1,401	
Race	Residency	#	%	#	%	#	%	#	%	#	%	#	%
API	Urbana	76	59%	31	67%	57	64%	53	72%	4	67%	221	64%
API	Champaign/Rantoul/Savoy	31	24%	10	22%	23	26%	12	16%	2	33%	123	36%
API	Other Cities	22	17%	5	11%	9	10%	9	12%	0	0%		
	Total Contacts	129		46		89		74		6		344	
Race	Residency	#	%	#	%	#	%	#	%	#	%	#	%
C	Urbana	242	37%	220	49%	195	47%	349	59%	8	31%	1,014	48%
C	Champaign/Rantoul/Savoy	185	29%	97	21%	117	28%	107	18%	9	35%	1,117	52%
C	Other Cities	222	34%	136	30%	104	25%	131	22%	9	35%		
	Total Contacts	649		453		416		587		26		2,131	
Race	Residency	#	%	#	%	#	%	#	%	#	%	#	%
H	Urbana	21	44%	22	58%	11	61%	23	68%	0	0%	77	56%
H	Champaign/Rantoul/Savoy	19	40%	12	32%	5	28%	9	26%	0	0%	61	44%
H	Other Cities	8	17%	4	11%	2	11%	2	6%	0	0%		
	Total Contacts	48		38		18		34		0		138	
Race	Residency	#	%	#	%	#	%	#	%	#	%	#	%
NA/A	Urbana	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
NA/A	Champaign/Rantoul/Savoy	0	0%	0	0%	0	0%	1	100%	0	0%	1	100%
NA/A	Other Cities	0	0%	0	0%	0	0%	0	0%	0	0%		
	Total Contacts	0		0		0		1		0		1	

TOTAL: 4,015

AA - African American

API - Asian/Pacific Islander

C - Caucasian

H - Hispanic

NA/A - Native American/Alaskan

Outside Urbana - responded to call outside of Urbana

TOTAL NUMBER OF TRAFFIC STOPS

	#	%
Urbana Resident	2115	53%
Non-Resident	1899	47%

African American	57% reside in Urbana	43% reside elsewhere
Asian/Pacific Islander	64% reside in Urbana	36% reside elsewhere
Caucasian	48% reside in Urbana	52% reside elsewhere
Hispanic	56% reside in Urbana	43% reside elsewhere
Native American	0% reside in Urbana	100% reside elsewhere

