

CHAPTER 10

ACCIDENT PRONE ZONES AND CIRCLE WISE ANALYSIS

The GPS mapping of Accident spots:

All accident spots are geo-tagged and marked on GIS Map. This helps in advanced analysis including spatially and cluster based analysis of Accident Prone Zones (APZ).

- The accident spots of the year were analyzed spatially to identify the cluster

points or accident prone zones on the Delhi Roads. Criteria set to filter such accident prone zones is:-

- 3 or more fatal accidents within the circle of diameter of 500meters or
- 10 or more total accidents in the same region.

Table - 10(a)
ACCIDENT PRONE ZONES – 2016

ROAD ACCIDENTS IN ACCIDENT PRONE ZONE – 2016			
ACCIDENTS	SIMPLE	FATAL	TOTAL
2016 (WHOLE YEAR)	5827	1548	7375
APZ-2016	907	389	1296
% SHARE	15.56%	25.12%	17.57%

- Accidents on all the major and minor roads joining the intersections having direct influence on the traffic movement at such place or junction have been considered.
- The roads inspected on map to identify these accident prone zones were
 - All major road corridors of Delhi.
 - Top 40 roads having maximum fatal accidents during the year 2016.
- 249 accident cluster points were analyzed out of which **108 cluster points**

were identified as Accident Prone Zones, as per the above mentioned criteria. The alphabetical list is at Table no 10.1.

- The Ring Road (27), Outer Ring Road (17), GTK Road (11), Wazirabad Road (6) and Mathura Road (6) have the maximum number of dangerous stretches on them.
- The roads of Burari circle (10), Sarita Vihar circle (7), Vasant Vihar circle (6) and Civil Line circle (6) have maximum number of accident prone zones.

Table 10.1
ACCIDENTS PRONE ZONE 2016

(ALPHABATICALLY)

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS	ROAD NAME
1.	AGGARWAL MILLENIUM TOWER	6	3	9	SHAHEED JAGAT NARAIN
2.	AIIMS	10	3	13	RING ROAD
3.	ANAND VIHAR ISBT	10	3	13	ROAD NO.56
4.	ANAND VIHAR RAILWAY FLYOVER	3	3	6	ROAD NO.56
5.	APOLO HOSPITAL	6	3	9	MATHURA ROAD
6.	ARSD COLLEGE RING ROAD	4	3	7	RING ROAD
7.	ASHRAM CHOWK	10	2	12	RING ROAD
8.	AZADPUR BUS TERMINAL	12	2	14	GTK ROAD
9.	AZADPUR CHOWK	13	2	15	GTK ROAD
10.	AZADPUR SABZI MANDI	7	4	11	GTK ROAD
11.	BAKOLI BUS STAND	4	3	7	GTK ROAD
12.	BHAJANPURA CHOWK	5	4	9	WAZIRABAD ROAD
13.	BHALSWA CHOWK	16	6	22	OUTER RING ROAD
14.	BRITANNIA CHOWK	11	1	12	RING ROAD
15.	BURARI CHOWK	22	6	28	OUTER RING ROAD
16.	C BLOCK YAMUNA VIHAR	13	1	14	WAZIRABAD ROAD
17.	CHHATTA RAIL CHOWK	5	3	8	SPM MARG
18.	CNG PUMP/JAIN MANDIR NH-1	1	3	4	GTK ROAD
19.	CRPF CAMP KESHOPUR	3	5	8	OUTER RING ROAD
20.	CVD DEPOT NANGAL VILLAGE	3	6	9	PANKHA ROAD
21.	DHAULA KUAN	6	4	10	RING ROAD
22.	DISTRICT CENTER JANAKPURI	3	6	9	NAJAFGARH ROAD
23.	DND FLYOVER	3	6	9	RING ROAD
24.	DTC BUS DEPOT NAND NAGRI	10	2	12	WAZIRABAD ROAD
25.	GAJIPUR DAIRY FARM	9	3	12	ROAD NO.56
26.	GATE NO.3 TIHAR JAIL	1	5	6	JAIL ROAD
27.	GEETA COLONY FLYOVER	10	3	13	YAMUNA PUSTA ROAD
28.	GOKAL PURI	14	1	15	WAZIRABAD ROAD
29.	HAIDER PUR	10	2	12	OUTER RING ROAD
30.	HANUMAN MANDIR YAMUNA BAZAR	4	3	7	RING ROAD
31.	HARKESH NAGAR	8	2	10	MATHURA ROAD
32.	HYAAT HOTEL	8	3	11	RING ROAD
33.	INDIRA PARK	4	3	7	SHANI BAZAR ROAD
34.	IP DTC DEPOT	1	4	5	RING ROAD
35.	ISBT KASHMIRI GATE	11	7	18	RING ROAD
36.	ITI DHEERPUR	8	3	11	OUTER RING ROAD
37.	ITO/I P FLYOVER	10	1	11	RING ROAD
38.	JAHANGIR PURI BUS STAND OUTER RING ROAD	13	10	23	OUTER RING ROAD
39.	JAIPUR MORE	15	1	16	MATHURA ROAD
40.	JANAK CINEMA	3	5	8	PANKHA ROAD
41.	JANAK PURI EAST	8	3	11	NAJAFGARH ROAD
42.	KALINDI KUNJ	19	3	22	ROAD NO 13A
43.	KALKAJI BUS STOP	11	2	13	OUTER RING ROAD
44.	KALKAJI MANDIR	5	3	8	OUTER RING ROAD

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS	ROAD NAME
45.	KATWARIA SARAI RED LIGHT	5	3	8	ARUNA ASAF ALI MARG
46.	KHAJOORI CHOWK	16	4	20	WAZIRABAD ROAD
47.	KHICHADI PUR	8	2	10	NH-24
48.	KHYBER PASS	1	3	4	RING ROAD
49.	KINGS WAY CAMP CHOWK	10	2	12	RING ROAD
50.	KIRARI MORE	10	0	10	ROHTAK ROAD
51.	LIBASPUR BUS STAND	6	10	16	GTK ROAD
52.	MADHUBAN CHOWK	8	3	11	OUTER RING ROAD
53.	MAHIPALPUR FLYOVER	17	2	19	NH-8
54.	MAJNU KA TILLA	6	8	14	OUTER RING ROAD
55.	MANGLAM HOSPITAL BUS STAND NH-24	11	2	13	NH-24
56.	MANGOL PURI FLYOVER	4	3	7	OUTER RING ROAD
57.	MAYA PURI CHOWK	5	3	8	RING ROAD
58.	MAYUR VIHAR EXTENSION NOIDA LINK ROAD	3	3	6	NOIDA LINK ROAD
59.	METRO STATION MADIPUR	8	4	12	ROHTAK ROAD
60.	MODEL TOWN IIIRD	9	1	10	RING ROAD
61.	MOOL CHAND	13	4	17	RING ROAD
62.	MOTI BAGH FLYOVER	10	4	14	RING ROAD
63.	MUKHAND PUR CHOWK	13	6	19	OUTER RING ROAD
64.	MUKHARBA CHOWK	19	5	24	GTK ROAD
65.	MUNIRKA	13	1	14	OUTER RING ROAD
66.	NAWADA VILLAGE	9	1	10	NAJAFGARH ROAD
67.	NEAR HALDI RAM WAZIRPUR	5	4	9	RING ROAD
68.	NIGAM BODH GHAT	5	3	8	RING ROAD
69.	NTPC COLONY	6	3	9	MATHURA ROAD
70.	OKHLA DTC BUS DEPOT	5	3	8	ANAND MAI MARG
71.	OKHLA MORE	9	1	10	MEHRAULI BADARPUR RD
72.	PEERAGARHI CHOWK	14	3	17	OUTER RING ROAD
73.	PUNJABI BAGH CHOWK	12	6	18	RING ROAD
74.	RADISSON HOTEL	13	5	18	NH-8
75.	RAJA HARISHCHANDER HOSPITAL	9	5	14	DSIDC NARELA ROAD
76.	RAJGHAT	11	6	17	RING ROAD
77.	RAJOUKARI FLYOVER	10	8	18	NH-8
78.	RAJOURI GARDEN	6	6	12	RING ROAD
79.	RAM CHARAN AGGARWAL CHOWK	8	5	13	BSZ MARG
80.	RML HOSPITAL	6	4	10	BKS MARG
81.	ROUND ABOUT BHAIRAON ENCLAVE	9	1	10	OUTER RING ROAD
82.	RTR FLYOVER VASANT VIHAR	10	1	11	OUTER RING ROAD
83.	SANJAY T-POINT	8	3	11	NH-8
84.	SARAI KALE KHAN	8	3	11	RING ROAD
85.	SARITA VIHAR METRO STATION	12	3	15	MATHURA ROAD
86.	SATYA NIKETAN NANAHPURA	2	5	7	RING ROAD
87.	SEC-1,2 RED LIGHT DWARAKA	12	1	13	ROAD NO.201
88.	SEELAMPUR T POINT	14	3	17	G.T.ROAD
89.	SGT NAGAR	6	7	13	GTK ROAD

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS	ROAD NAME
90.	SHAHDARA FLYOVER	11	1	12	G.T.ROAD
91.	SHALIMAR BAGH	2	3	5	RING ROAD
92.	SHANI MANDIR NH-1	9	8	17	GTK ROAD
93.	SHANTI VAN	12	0	12	RING ROAD
94.	SHASTRI NAGAR METRO STATION	18	10	28	VIR BANDA BAIRAGI MR
95.	SHASTRI PARK METRO STATION	3	4	7	OLD GT ROAD
96.	SHASTRI PARK/IT PARK	10	5	15	G.T.ROAD
97.	SHIV MURTI NH-8	4	4	8	NH-8
98.	SHYAM LAL COLLEGE	10	4	14	G.T.ROAD
99.	SWAROOP NAGAR	10	6	16	GTK ROAD
100.	TELCO GAJIPUR	4	3	7	ROAD NO.56
101.	TIKRI KHURD BUS STAND	2	5	7	GTK ROAD
102.	TOLL PLAZA BADARPUR	10	3	13	MATHURA ROAD
103.	UDYOG NAGAR	9	4	13	ROHTAK ROAD
104.	UTTAM NAGAR	6	3	9	NAJAFGARH ROAD
105.	VIJAY GHAT	3	3	6	RING ROAD
106.	WAZIRABAD	14	3	17	OUTER RING ROAD
107.	WAZIRABAD PULL	1	3	4	WAZIRABAD ROAD
108.	ZAKHIRA FLYOVER	7	3	10	ROHTAK ROAD

Few important points revealed during study of these accident prone zones are listed below:

- **25** out of the 108 accident prone zone are identified as **pedestrian accident prone zones** based on the criteria of 3 or more fatal accidents or 10 or more total pedestrian accidents within the range of 500 meter diameter. (Table 10.2)

Pedestrian facilities like FOBs, footpaths, safe boarding places etc needs to be improved at these places.

- **15** out of the 108 accident prone zone are identified as **two-wheeler accident prone zones** based on the criteria of 3 or more fatal accidents or 10 or more total two wheeler accidents within the range of 500 meter diameter. (Table 10.3)

These places either have high density two-wheeler movement or these are on high speed corridors, might be places which have

too many openings of minor roads on the major road or might lack nearby 'U' turn or road crossing facility which prompts the rider wrong side and random movement of two wheeler. Roads at such places to be studied and redesigned for safe movement of two-wheeler. Pseudo two-wheeler tracks can be tested at some places.

- **11** out of the 108 accident prone zone are identified as **cyclist accident prone zones** based on the criteria of 2 or more total cyclist accidents within the range of 500 meter diameter. (Table 10.4)

These are the places having high cyclist movement. Continuous NMV tracks with safe road crossing facility for the cycles, by slowing down other vehicle movement are needed at these points. Separate underpasses or FOBs where ever possible for slow moving vehicles can also be proposed.

Table 10.2
PEDESTRIAN ACCIDENT PRONE ZONES – 2016
(FATAL ACCIDENT SENIORITY)

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS
1.	LIBAS PUR BUS STAND	2	7	9
2.	JAHANGIRPURI BUS STAND	11	6	17
3.	MAJNU KA TILA	3	6	9
4.	ISBT K GATE	7	5	12
5.	SHASTRI NAGAR METRO STN	7	5	12
6.	SWAROOP NAGAR	4	5	9
7.	SGT NAGAR	2	5	7
8.	SATYA NIKETAN	0	5	5
9.	SHASTRI PARK/IT PARK	4	4	8
10.	RAJOURI GARDEN	2	4	6
11.	UDHOG NAGAR	2	4	6
12.	TIKRI KHURD BUS STAND	2	4	6
13.	KHAJOORI CHOWK	7	3	10
14.	AZADPUR SABZI MANDI	5	3	8
15.	RAM CHARAN AGGARWAL CHOWK	4	3	7
16.	ANAND VIHAR ISBT	4	3	7
17.	JANAK CINEMA	3	3	6
18.	APOLO HOSPITAL	2	3	5
19.	RAJA HARISHCHANDER HOSPITAL	2	3	5
20.	HANUMAN MANDIR	1	3	4
21.	RML HOSPITAL	0	3	3
22.	SHANI MANDIR	0	3	3
23.	SHIV MURTI	0	3	3
24.	IP DTC DEPOT	0	3	3
25.	MAHIPALPUR FLYOVER	9	2	11

Table 10.3
TWO-WHEELER ACCIDENT PRONE ZONES – 2016
(FATAL ACCIDENT SENIORITY)

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS
1.	DISTRICT CENTER JANAKPURI	0	4	4
2.	CRPF CAMP KESHOPUR	0	4	4
3.	MUKHARBA CHOWK	12	3	15
4.	BURARI CHOWK	11	3	14
5.	BHALSWA CHOWK	11	3	14
6.	SHASTRI NAGAR METRO STATION	8	3	11
7.	PUNJABI BAGH CHOWK	8	3	11
8.	MUKHAND PUR CHOWK	8	3	11
9.	SHANI MANDIR	7	3	10
10.	SARITA VIHAR METRO STATION	6	3	9
11.	JANAKPURI EAST	4	3	7
12.	CVD DEPOT NANGAL VILLAGE	2	3	5
13.	JAHANGIRPURI BUS STAND	1	3	4
14.	KALINDI KUNJ	11	2	13
15.	SHANTI VAN	10	0	10

Table 10.4
CYCLIST ACCIDENT PRONE ZONES – 2016

(FATAL ACCIDENT SENIORITY)

S.NO.	ACCIDENT PRONE ZONES	SIMPLE ACCIDENTS	FATAL ACCIDENTS	TOTAL ACCIDENTS
1.	SHASTRI NAGAR METRO STATION	0	2	2
2.	RTR FLYOVER VASANT VIHAR	1	1	2
3.	PUNJABI BAGH CHOWK	1	1	2
4.	NIGAM BODH GHAT	1	1	2
5.	HARKESH NAGAR	1	1	2
6.	BHALSWA CHOWK	1	1	2
7.	SHYAM LAL COLLEGE	2	0	2
8.	PEERA GARHI CHOWK	2	0	2
9.	MUKHARBA CHOWK	2	0	2
10.	MOOL CHAND	2	0	2
11.	JAIPUR MORE	2	0	2

The accident prone zone can broadly be classified into the following zone types:

Table 10.5

S.NO.	ZONE TYPE	NUMBER OF ACCIDENT PRONE ZONES
1.	MULTI-LEVEL INTERSECTION	26
2.	INTERSECTION	17
3.	T-INTERSECTION	13
4.	ROAD STREACH	12
5.	MULTI-INTERSECTION	9
6.	BUS-STAND	8
7.	EXCHANGE HUB	7
8.	METRO STATION	5
9.	HIGHWAY VILLAGE	5
10.	FLYOVER	3
11.	HOSPITAL	3
12.	TOTAL	108

Note:-

1. **Multilevel intersections** are the intersections which are modified by making flyovers, underpasses, flyover loops at normal intersections eg. Punjabi Bagh chowk, Dhaula Kuan, Mukarba chowk etc.
2. **Multi-intersection** are the junction points of more than 2 roads or a stretch of

single major road having more than 2 minor roads joining within 500 meter stretch.

3. **Exchange hubs** are the places where there is facility of changing of different modes of transport like, city buses, TSRs, gramin sewa, RTVs, interstate buses, E-rickshaw at the same place eg. ISBT, Peera garhi chowk, Mukarba chowk etc.

- **The above classification does not completely separate one category from others;** there is some overlap for example some metro stations are also exchange hubs eg. Peera garhi chowk, while some exchange hubs are also multilevel intersections eg. Mukarba chowk.
- The classification clearly shows that **intersections of different types are more prone to accidents. multilevel intersections being the most dangerous** as these includes the flyovers/ underpasses accidents and the ground level conflict accidents.
- **Other accident prone places are places of high foot fall eg. bus stands, metro stations exchange hubs etc.** This indicates the lack proper systematic and planned last mile connectivity and public Road transport system at these spot:
 - (i) These points **lack safe, systematic transport exchange facility** (metro buses, buses, TSR, E-rickshaw etc) for passengers.
 - (ii) **Safe boarding facilities for passengers to board buses/RTVs etc.**
 - (iii) There is also **lack of proper and enough information about the facilities** available for change of vehicles like TSR, E-rickshaw and feder buses etc. which causes random movement of people depending on the visible senses.

Correction of accident prone zones:

- Field officers study and analyze these spots for the causative factors of accidents like:

1. Slopes.
2. Embankments.
3. Road curvatures.
4. Road surface.
5. Line of sight visibility.
6. Angle of intersections.
7. Cuts in central verges.
8. Need for FOB's/Subways.

The preventive measures are suggested to maintaining and other civic agencies.

- The field officers send proposals through Traffic Engineering Branch for improvement in road structure and road design. The proposals can be of short term, having immediate effects, like:
 - (i) Speed calming measures
 - (ii) Making fresh road markings
 - (iii) Fixing cautionary and informative boards
 - (iv) Proper illumination at the spot and fixing of reflective gadgets (cats eyes, road blinkers, thermoplast road markings, reflective bollards etc.)
 - (v) Nose protection
 - (vi) Modification or some change of traffic movement
 - (vii) Fixing of railing on road side or on divider
- And the long term measures for removing of traffic related problem (regulation and accidents) from the spot are also identified, which are as follows:
 - (i) Suggesting Underpass/FOB
 - (ii) Developing footpath for pedestrians
 - (iii) Proper waiting/ boarding place/ platform for pedestrians
 - (iv) Developing service lanes
 - (v) Change in route of buses or other transport vehicles

- (vi) Displacing bus stands.
- (vii) Closure of cuts on roads.
- (viii) Making oval round-about etc.
- Accordingly corrective measures among listed above were taken. This was accompanied by Enforcement and Road Safety Education.

The comparison of the list of accident prone zones of the year 2015 and 2016 reveals that:

- (i) Out of 176 Accident Prone Zone of 2015, **96 spots** mentioned did not come under the above criteria and thus did not find place in the list of Accident Prone Zone of the year 2016. Hence **removed**.
- (ii) **115 Accident Prone Zones have shown decrease in fatal accidents** in the year 2016 as compared to 2015. **Nitesh Kunj Hotel NH-8 (-9), Shanti Van (-6) and Adarsh Nagar (-6)** have maximum decrease in fatal accidents in the year 2016.
- (iii) **53 Accident Prone Zones show decrease (>6) in total accidents** in

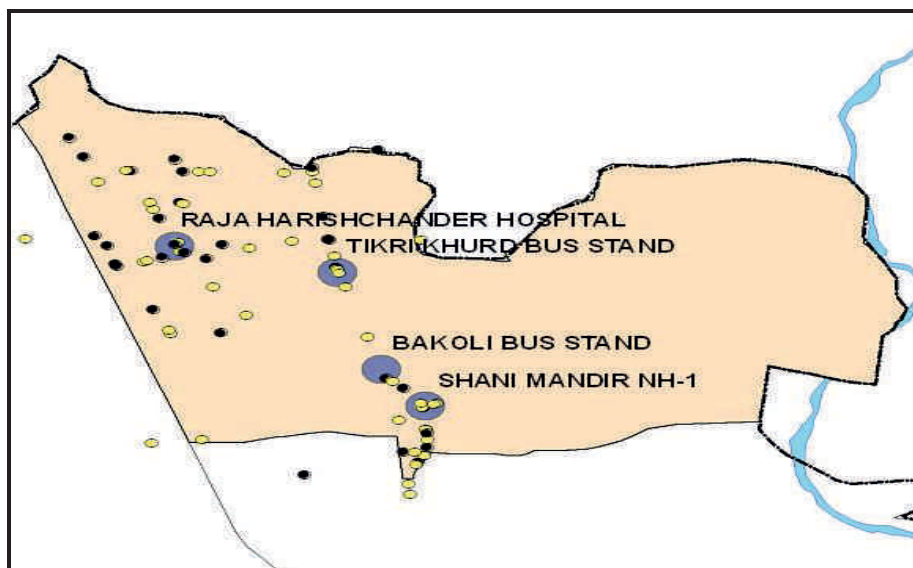
the year 2016 as compared to 2015. **Wazirpur Depot (-17), Shastri park/IT park (-16) and Nitesh Kunj Hotel NH-8 (-15)** have maximum decrease in fatal accidents in the year 2016.

- **Around 25.12% of total fatal accidents (389 out of 1548) occurred at the Accident Prone Zone, measuring about 54 km.**
- **180 (46%) out of these are hit and run cases. CCTV cameras are proposed to be installed and CATS Ambulances to be positioned at these points to reduce the fatality and ensure quicker response to accidents.**

Map 10 (a) -10 (az) gives the circle wise analysis in a nutshell.

- **These tables indicate circle wise statistics for:-**
 1. Top offending vehicles.
 2. Top victims.
 3. Most vulnerable time slots.
 4. Top Roads.
 5. Accident Prone Zones.

Map 10(a): NARELA CIRCLE



(FATAL ACCIDENTS – 83)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	15
2	HTV'S	11
3	S/M.CYCLISTS	7
4	TRACTOR	5
*UNKNOWN VEHICLE		35

TOP 3 VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	39
2	SC/M.CYCLISTS	31
3	SELF	7

TOP 3 ROADS

S.NO	ROAD NAME	FATAL ACCIDENTS
1	GTK ROAD	37
2	NARELA ROAD	5

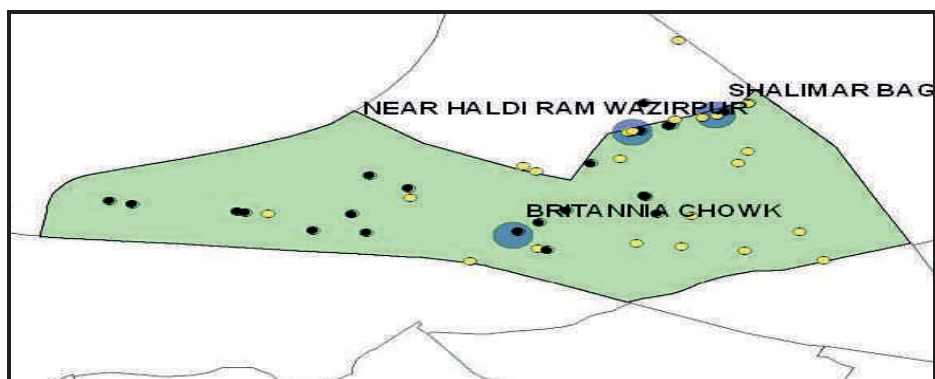
MOST VULNERABLE TIME SLOTS

S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2200-2300	9
2	2000-2100	8
3	2300-2400	8
4	1400-1500	7

ACCIDENT PRONE ZONES

1	SHANI MANDIR NH-1
2	BAKOLI BUS STAND
3	RAJA HARISHCHANDER HOSPITAL
4	TIKRI KHURD BUS STAND

Map 10(b): ASHOK VIHAR CIRCLE



(FATAL ACCIDENTS – 49)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	14
2	HTV'S	5
3	SCOOTERIST/M.CYCLIST	4
4	BUS DTC	1
*UNKNOWN VEHICLE - 23		

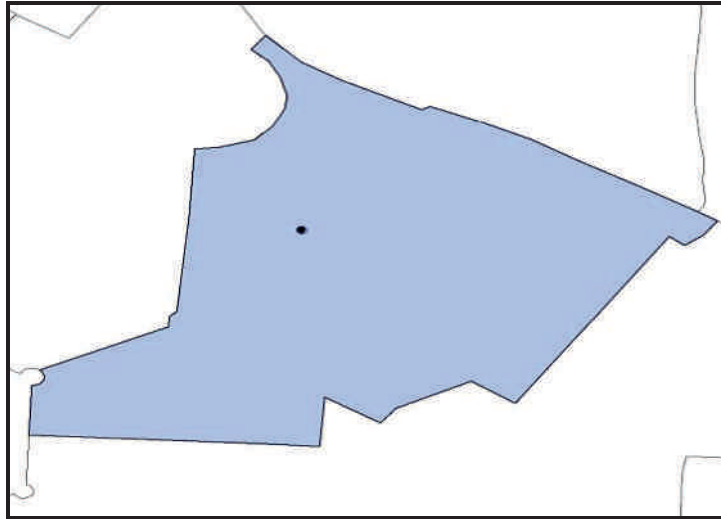
<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0000-0100	7
2	1700-1800	6
3	1400-1500	5
4	0100-0200	5
5	1900-2000	4
6	2200-2300	4
7	2300-2400	4

<u>TOP 3 VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	SCOOTERIST/M.CYCLISTS	24
2	PEDESTRIAN	17
3	CYCLE	2

<u>TOP 3 ROADS</u>		
S.NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	17
2	ROAD NO 43	4
3	ROAD NO 37	3

<u>ACCIDENT PRONE ZONES</u>	
1	NEAR HALDI RAM WAZIRPUR
2	SHALIMAR BAGH
3	BRITANNIA CHOWK

Map 10(c): BARAKHAMBA ROAD CIRCLE



(FATAL ACCIDENTS – 01)

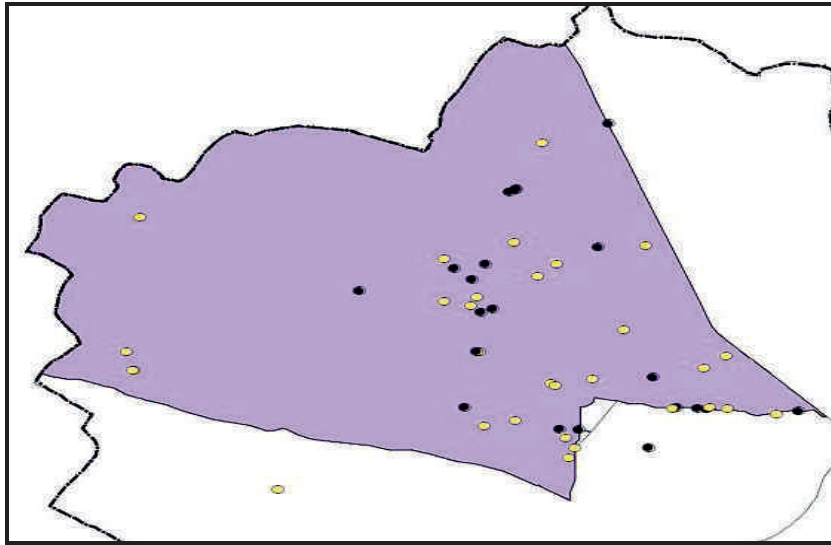
TOP OFFENDING VEHICLES		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	1

TOP VICTIMS		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	01

MOST VULNERABLE TIME SLOTS		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2200-2300	1

TOP ROADS		
S.NO	ROAD NAME	FATAL ACCIDENTS
1	MINOR ROAD	1

Map 10(d): BAWANA CIRCLE



(FATAL ACCIDENTS – 54)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	SC/M.CYCLIST	8
2	CAR	7
3	HTV/GOODS	4
3	TEMPO	4
*UNKNOWN VEHICLE - 19		

TOP 5 VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	SC/M.CYCLIST	24
2	PEDESTRIAN	13
3	SELF	10
4	CYCLIST	3
5	TSR	2

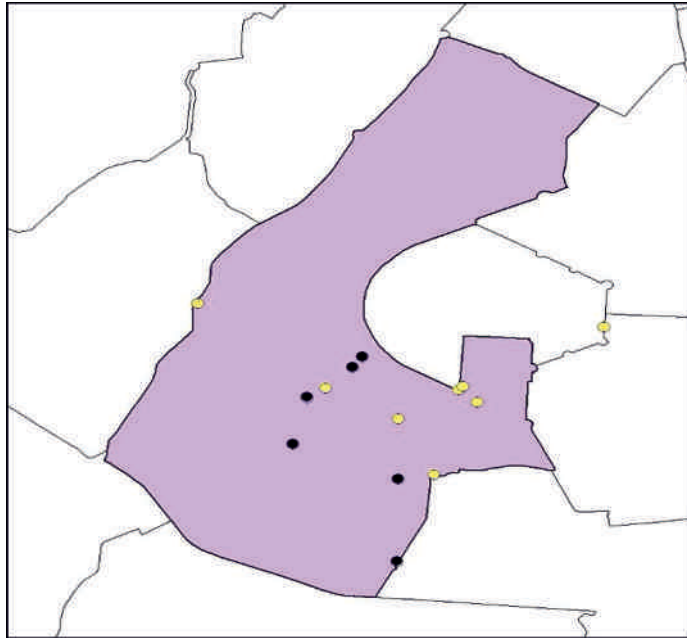
MOST VULNERABLE TIME SLOTS

S.NO	TIME-SLOT	FATAL ACCIDENTS
1	2200-2300	6
2	2100-2200	5
3	1800-1900	4
4	1900-2000	4
5	1500-1600	3
6	1600-1700	3
7	1300-1400	3

TOP 3 ROADS

S.NO	ROAD NAME	FATAL ACCIDENTS
1	BAWANA ROAD	8
2	KANJHAWLA ROAD	3
3	RITHALA ROAD	2

Map 10(e): CHANAKYA PURI CIRCLE



(FATAL ACCIDENTS –14)

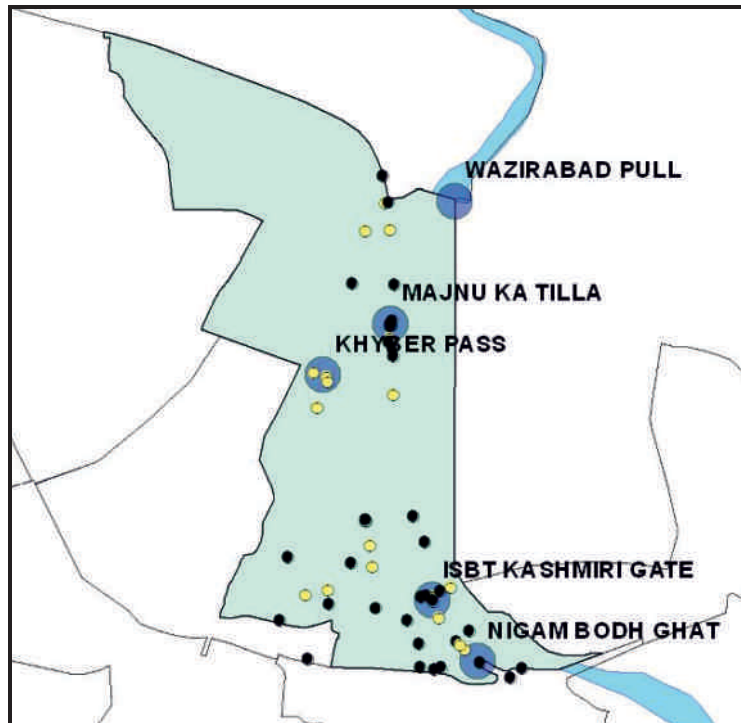
TOP OFFENDING VEHICLES		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	5
2	MILITARY VEHICLE	2
3	BUS DTC	1
<i>*UNKNOWN VEHICLE- 6</i>		

TOP 5 VICTIMS		
S.NO	VICTIMS	FATAL ACCIDENTS
1	SCOOTERIST/M.CYCLIST	8
2	PEDESTRIAN	4
3	CYCLIST	2

MOST VULNERABLE TIME SLOTS		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2200-2300	2
2	2000-2100	2
3	0100-0200	2

TOP 3 ROADS		
S.N O	ROAD NAME	FATAL ACCIDENTS
1	SARDAR PATEL MARG	2
2	MOTHER TARESA	2
3	NITI MARG	1

Map 10(f): CIVIL LINES CIRCLE



(FATAL ACCIDENTS – 54)

TOP OFFENDING VEHICLES		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	5
2	HTV'S	4
3	BUS OTHER	3
*UNKNOWN VEHICLE - 32		

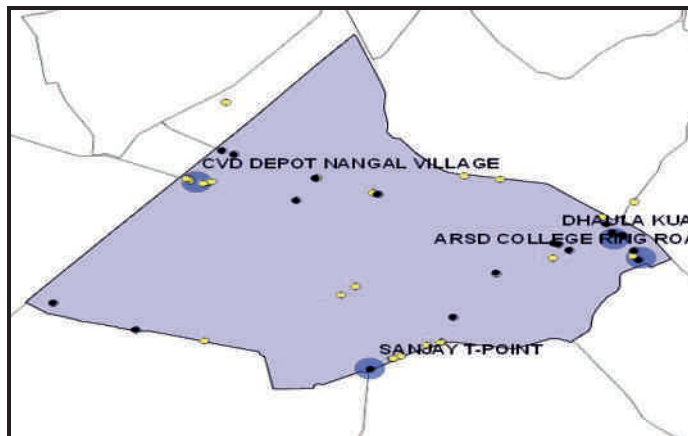
MOST VULNERABLE TIME SLOTS		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0400-0500	5
2	2200-2300	5
3	2300-2400	4
4	2100-2200	4
5	0100-0200	4

TOP 3 VICTIMS		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	35
2	SCOOTERIST/M.CYCLISTS	12
3	TEMPO	2

TOP 3 ROADS		
S.NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	12
2	OUTER RING ROAD	9
3	BULOYARD ROAD	6

ACCIDENT PRONE ZONES	
1	KHYBER PASS
2	ISBT KASHMIRI GATE
3	NIGAM BODH GHAT
4	WAZIRABAD
5	MAJNU KA TILA
6	WAZIRABAD PULL

Map 10(g): DELHI CANTT CIRCLE



(FATAL ACCIDENTS – 45)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	10
2	HTV'S	6
3	SC/M.CYCLISTS	4

**UNKNOWN VEHICLE - 19*

MOST VULNERABLE TIME SLOTS

S.N O	TIME-SLOT	FATAL ACCIDENTS
1	1100-1200	5
2	0000-0100	4
3	2300-2400	3
4	1800-1900	3
5	1400-1500	3
6	0500-0600	3
7	0100-0200	3

TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	SCOOTERIST/M.CYCLISTS	15
2	PEDESTRIAN	13
3	CAR	5
4	SELF	5

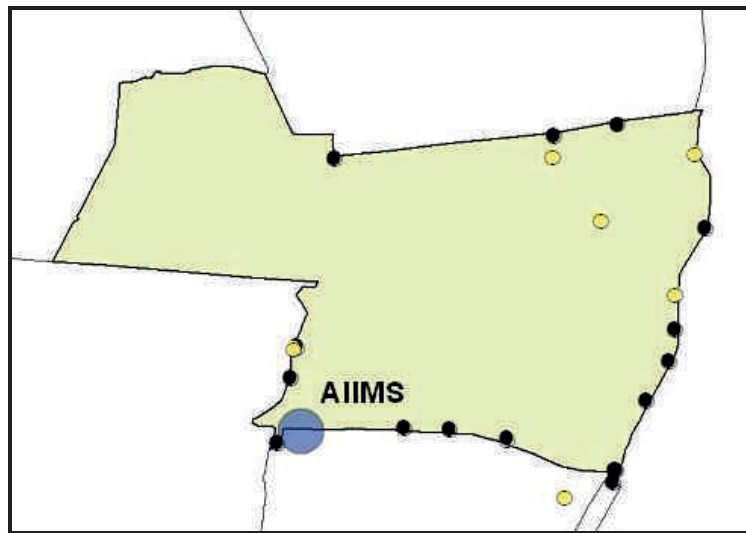
TOP 3 ROADS

S.NO	ROAD NAME	FATAL ACCIDENTS
1	STATION ROAD	10
2	RING ROAD	8
3	NH-8	8

ACCIDENT PRONE ZONES

1	SANJAY T-POINT
2	DHAULA KUAN
3	ARSD COLLEGE RING ROAD
4	CVD DEPOT NANGAL VILLAGE

Map 10(h): DEFENCE COLONY CIRCLE



(FATAL ACCIDENTS – 22)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	8
2	SC/M.CYCLIST	4
2	TEMPO	1
<i>*UNKNOWN VEHICLE - 6</i>		

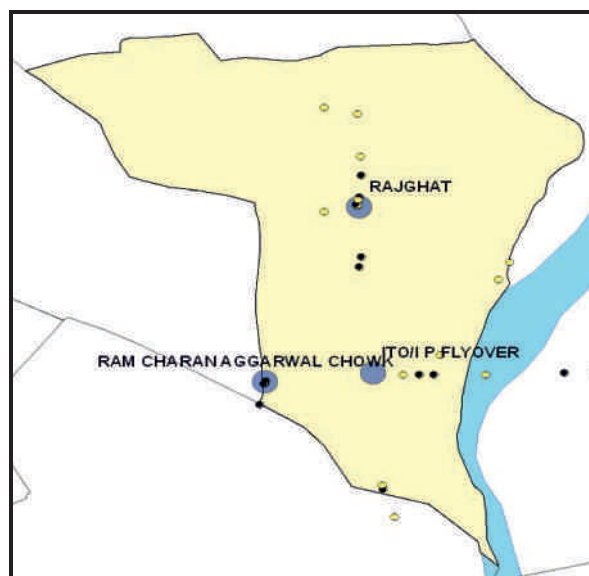
<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0000-0100	3
2	0200-0300	3
3	0100-0200	2
4	0500-0600	2

<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	SC/M.CYCLIST	10
2	SELF	6
3	PEDESTRIAN	4

<u>TOP ROADS</u>		
S.NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	7
2	LALA LAJPATRAI PATH	5
3	AUROBINDO MARG	4

<u>ACCIDENT PRONE ZONES</u>	
1	AIIMS

Map 10(i): DARYAGANJ CIRCLE



(FATAL ACCIDENTS – 28)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	SC/M.CYCLISTS	5
2	CAR	3
3	BUS DTC	2
4	BUS OTHER STATE	2
<i>*UNKNOWN VEHICLE - 13</i>		

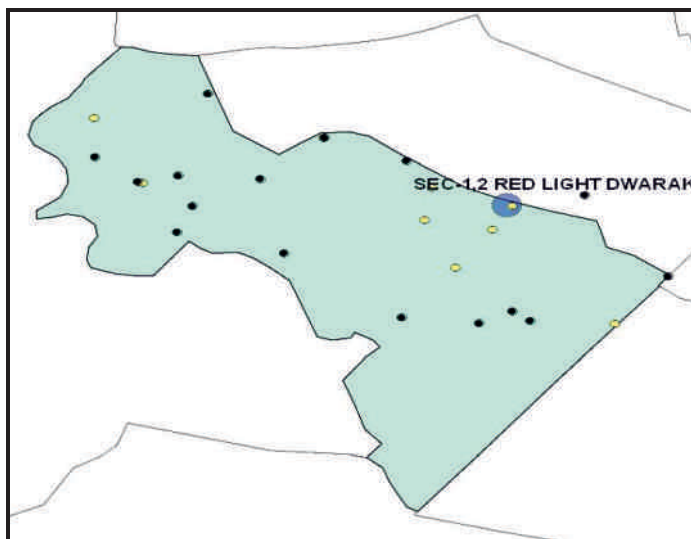
<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	11
2	SCOOTERIST/M.CYCLIST	7
3	SELF	5

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	12
2	VIKAS MARG	5

<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0000-0100	4
2	2300-2400	3
3	0800-0900	2
4	1200-1300	2

<u>ACCIDENT PRONE ZONES</u>	
1	RAJGHAT
2	RAMCHARAN AGGARWAL CHOWK
3	IP DTC DEPOT
4	ITO/IP FLYOVER

Map 10(j): DWARAKA CIRCLE



(FATAL ACCIDENTS – 25)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	5
2	BUS OTHER	3
3	SCOOTER/M.CYCLIST	2
4	TRACTOR	2
<i>*UNKNOWN VEHICLE - 8</i>		

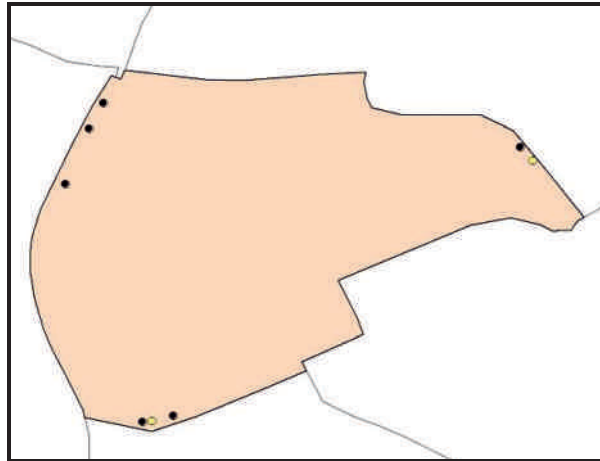
<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	10
2	SCOOTERIST/M.CYCLIST	8
3	CAR	3

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	201 NO. ROAD	5

<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2200-2300	3
2	0800-0900	3
3	0000-0100	3
4	0200-0300	2

<u>ACCIDENT PRONE ZONES</u>	
1	SEC 1,2 RED LIGHT, DWARKA

Map 10(k): GREATER KAILASH CIRCLE



(FATAL ACCIDENTS – 10)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	2
2	SCOOTER/M.CYC LIST	1
3	BUS DTC	1
<i>*UNKNOWN VEHICLE - 3</i>		

TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	3
2	SCOOTERIST/M.CYCLIST	3

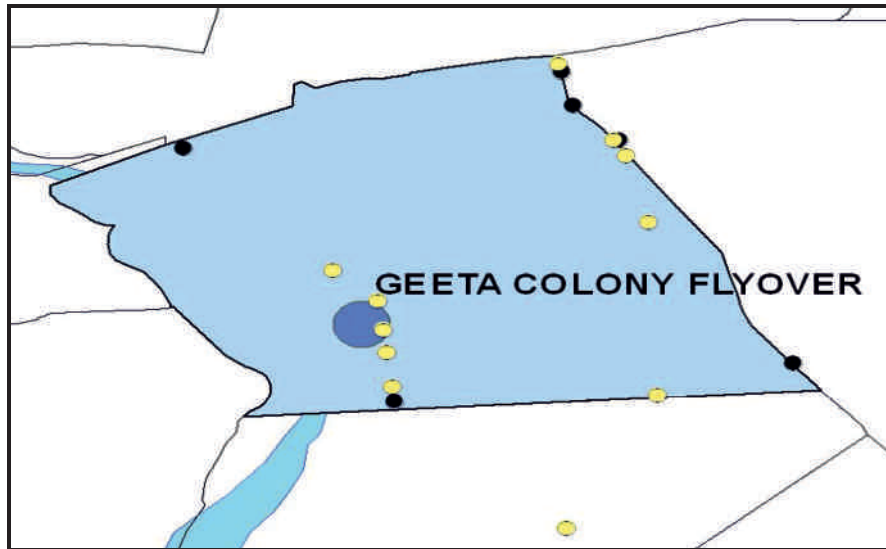
TOP ROADS

S.N O	ROAD NAME	FATAL ACCIDENTS
1	OUTER RING ROAD	3
2	DR.AMB. ROAD	2

MOST VULNERABLE TIME SLOTS

S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2100-2200	3
2	0000-0100	2
3	0100-0200	1
4	0700-0800	1

Map 10(I): GANDHI NAGAR CIRCLE



(FATAL ACCIDENTS – 17)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	HTV'S	4
2	SCOOTER/M.CYC LIST	2
3	TEMPO	2
*UNKNOWN VEHICLE - 5		

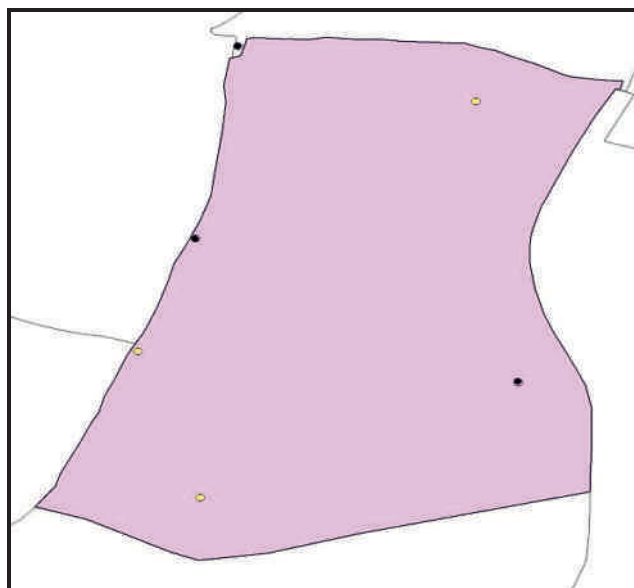
<u>MOST VULNERABLE TIME SLOTS</u>		
S. NO	TIME-SLOT	FATAL ACCIDENTS
1	1500-1600	3
2	2000-2100	2
3	2100-2200	2
4	0800-0900	2

<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	SC/M.CYCLISTS	7
2	PEDESTRIAN	6

<u>TOP ROADS</u>		
S.N O	ROAD NAME	FATAL ACCIDENTS
1	YAMUNA PUSTA ROAD	5
2	ROAD NO 57	5

<u>ACCIDENT PRONE ZONES</u>	
1	GEETA COLONY FLYOVER

Map 10(m): HAUS KHAS CIRCLE



(FATAL ACCIDENTS – 6)

TOP OFFENDING VEHICLES		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	2
<i>*UNKNOWN VEHICLE - 4</i>		

MOST VULNERABLE TIME SLOTS		
S. N O	TIME-SLOT	FATAL ACCIDENTS
1	0000-0100	2
2	0800-0900	1
3	1200-1300	1

TOP VICTIMS		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	4
2	SCOOTERIST/M.CYCLIST	2

TOP ROADS		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	AURBINDO MARG	3
2	OUTER RING ROAD	1

Map 10(n): I.G.I. CIRCLE



(FATAL ACCIDENTS – 12)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	SC/M.CYCLIST	3
2	TEMPO	1

**UNKNOWN VEHICLE - 6*

TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	4
2	SC/M.CYCLIST	4

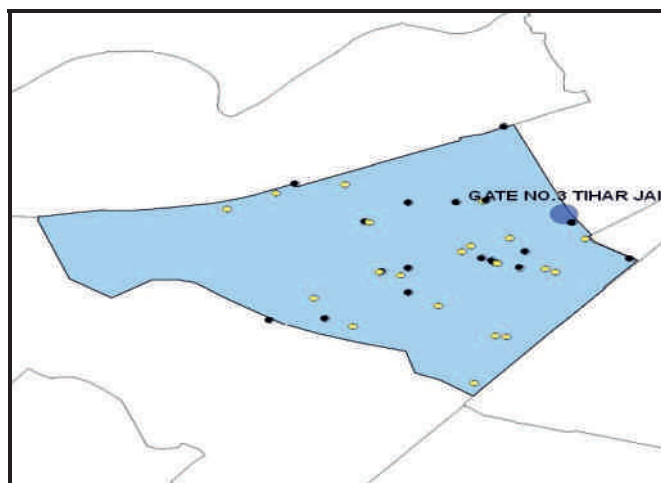
MOST VULNERABLE TIME SLOTS

S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2000-2100	3
2	0400-0500	2

TOP ROADS

S. NO	ROAD NAME	FATAL ACCIDENTS
1	NH-8	9

Map 10(o): JANAK PURI CIRCLE



(FATAL ACCIDENTS – 40)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	7
2	SC/M.CYCLISTS	5
3	HTV'S	4
<i>*UNKNOWN VEHICLE - 17</i>		

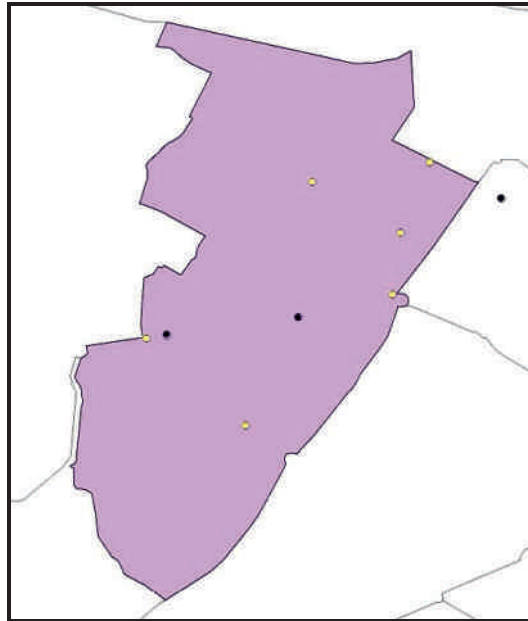
<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	1900-2000	4
2	0900-1000	4
3	0000-0100	4
4	2000-2100	3
5	2100-2200	3

<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	18
2	SCOOTERIST/M.CYCLIST	16
3	SELF	3

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	PANKHA ROAD	13
2	JAIL ROAD	4

<u>ACCIDENT PRONE ZONES</u>	
1	JANAK CINEMA
2	GATE NO. 3 TIHAR JAIL

Map 10(p): KAROL BAGH CIRCLE



(FATAL ACCIDENTS – 09)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	SCOOTER/M.CYC LIST	2
2	CAR	1

**UNKNOWN VEHICLE -3*

MOST VULNERABLE TIME SLOTS

S. NO	TIME-SLOT	FATAL ACCIDENTS
1	1500-1600	3
2	1300-1400	2
3	0100-0200	2

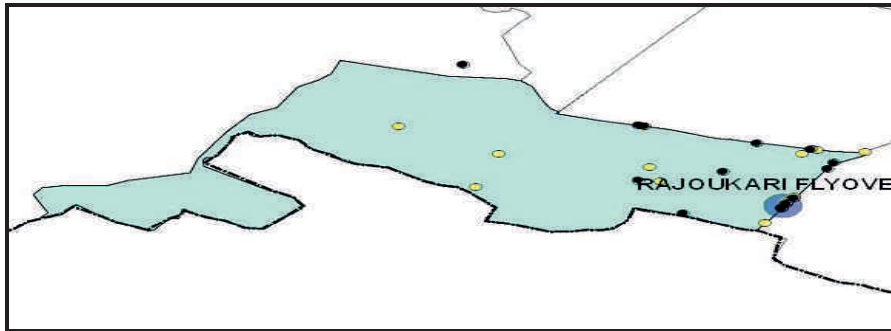
TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	6
2	SELF	2
3	SCOOTERIST/MC	2

TOP ROADS

S.N O	ROAD NAME	FATAL ACCIDENTS
1	PUSA ROAD	4
2	NEW ROHTAK RD	1
3	RANI JHANSI ROAD	1

Map 10(q): KAPASHERA CIRCLE



(FATAL ACCIDENTS – 29)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	4
2	HTV'S	2
3	TEMP	2
4	BUS OTHER	2
*UNKNOWN VEHICLE - 9		

MOST VULNERABLE TIME SLOTS

S.NO	TIME-SLOT	FATAL ACCIDENTS
1	0600-0700	3
2	1900-2000	3
3	0000-0100	2
4	0100-0200	2
5	1000-1100	2

TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	SCOOTERIST/M.CYCLIST	10
2	PEDESTRIAN	6
3	CAR	2
4	LGV	2

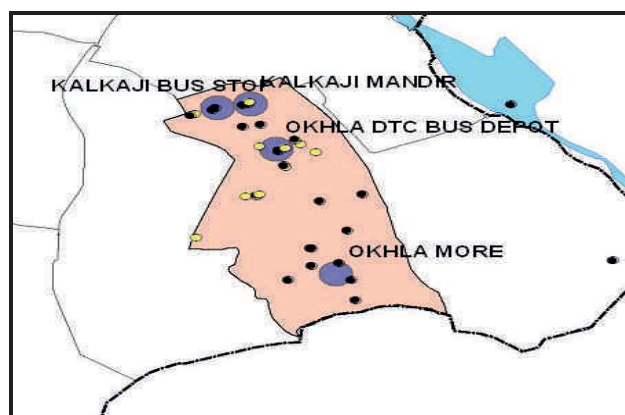
TOP ROADS

S.N O	ROAD NAME	FATAL ACCIDENTS
1	NH-8	11
2	201 NO ROAD	4

ACCIDENT PRONE ZONES

1 RAJOKRI FLYOVER

Map 10(r): KALKAJI CIRCLE



(FATAL ACCIDENTS – 34)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	HTV'S	6
2	CAR	3
3	TEMPO	2
4	TSR	2
<i>*UNKNOWN VEHICLE - 15</i>		

<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	SCOOTERIST/M.CYCLIST	15
2	PEDESTRIAN	12
3	SELF	2

<u>TOP ROADS</u>		
S.N O	ROAD NAME	FATAL ACCIDENTS
1	ANAND MAI MARG	10
2	OUTER RING ROAD	6
3	M.B ROAD	4

<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0000-0100	7
2	2100-2200	6
3	0500-0600	3
4	0900-1000	3

<u>ACCIDENT PRONE ZONES</u>	
1	OKHLA DTC BUS DEPOT
2	KALKAJI MANDIR
3	KALKAJI BUS STOP
4	OKHLA MORE

Map 10(s): KAMLA MARKET CIRCLE



(FATAL ACCIDENTS – 10)

TOP OFFENDING VEHICLES

S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	1
2	HTV'S	1
*UNKNOWN VEHICLE - 6		

MOST VULNERABLE TIME SLOTS

S.NO	TIME-SLOT	FATAL ACCIDENTS
1	0400-0500	3
2	0500-0600	1

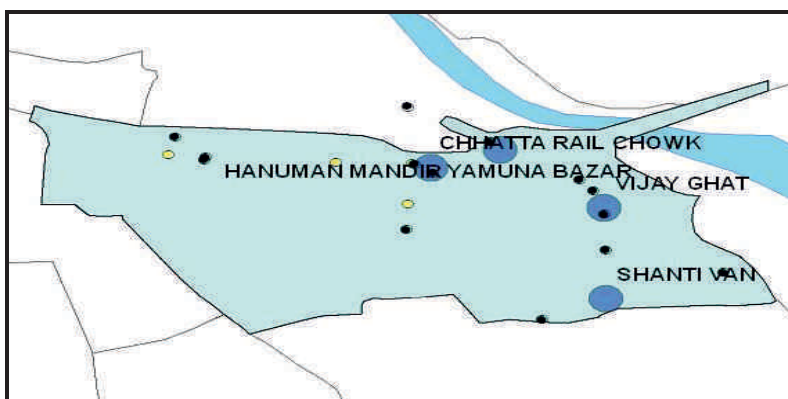
TOP VICTIMS

S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	7
2	SCOOTERIST/M.CYCLIST	2
3	BUS DTC	1

TOP ROADS

S. NO	ROAD NAME	FATAL ACCIDENTS
1	ASAF ALI ROAD	3
2	DDU MARG	1

Map 10(t): KOTWALI CIRCLE



(FATAL ACCIDENTS – 19)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	HTV'S	3
2	BUS DTC	1
4	CAR	1
<i>*UNKNOWN VEHICLE - 12</i>		

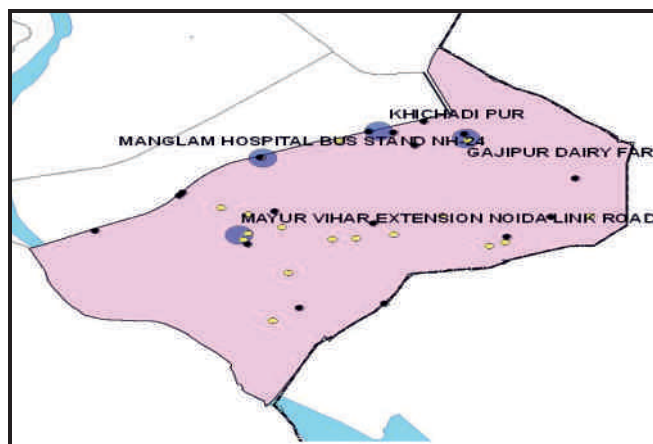
<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	0500-0600	3
2	0700-0800	2
3	0800-0900	2
4	0000-0200	2

<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	15
2	SCOOTERIST/M.CYCLIST	2
3	SELF	1

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	8
2	SPM MARG	6
3	CHANDNI CHOWK ROAD	2

<u>ACCIDENT PRONE ZONES</u>	
1	HANUMAN MANDIR YAMUNA BAZAR
2	SHANTI VAN
3	VIJAY GHAT
4	CHATTARAIL CHOWK

Map 10(u): KALYAN PURI CIRCLE



(FATAL ACCIDENTS – 35)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	10
2	SC/M.CYCLISTS	5
3	TAXI	3
*UNKNOWN VEHICLE - 13		

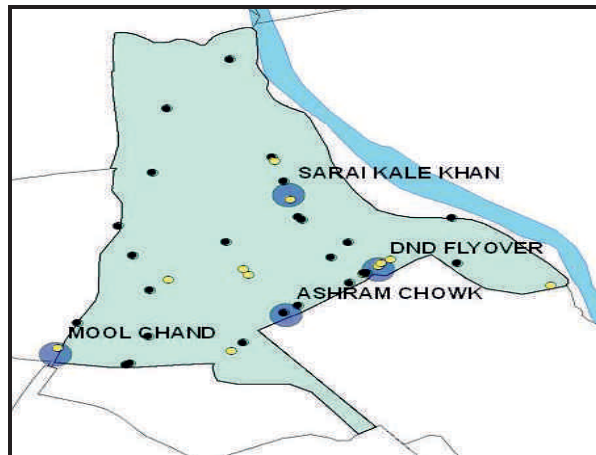
<u>TOP VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	15
2	SCOOTERIST/M.CYCLIST	13
3	SELF	2

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	NH-24	10
2	KOTLA ROAD	2

<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	1200-1300	4
2	0200-0300	4
3	2300-2400	3
4	1700-1800	3
5	0100-0200	3

<u>ACCIDENT PRONE ZONES</u>	
1	MANGLUM HOSPITAL BUS STAND NH-24
2	MAYUR VIHAR EXTENTION NOIDA LINK ROAD
3	GAZI PUR DAIRY FARM
4	KHICHADI PUR

Map 10(v): LAJPAT NAGAR CIRCLE



(FATAL ACCIDENTS – 37)

<u>TOP OFFENDING VEHICLES</u>		
S.NO	VEHICLE AT FAULT	FATAL ACCIDENTS
1	CAR	6
2	HTV'S	5
3	SC/M.CYCLISTS	1
<i>*UNKNOWN VEHICLE - 20</i>		

<u>MOST VULNERABLE TIME SLOTS</u>		
S.N O	TIME-SLOT	FATAL ACCIDENTS
1	2100-2200	6
2	0300-0400	3
3	0500-0600	3
4	1900-2000	3
5	2200-2300	3

<u>TOP 3 VICTIMS</u>		
S.NO	VICTIMS	FATAL ACCIDENTS
1	PEDESTRIAN	18
2	SCOOTERIST/M.CYCLIST	12
3	SELF	2

<u>TOP ROADS</u>		
S. NO	ROAD NAME	FATAL ACCIDENTS
1	RING ROAD	16
2	MATHURA ROAD	4
3	NOIDA DND ROAD	4

<u>ACCIDENT PRONE ZONES</u>	
1	SARAI KALE KHAN
2	ASHRAM CHOWK
3	DND FLYOVER
4	MOOL CHAND