

Clayton

HE
5614.4
.D47
1985

1985 ACCIDENT SUMMARY REPORT

for the Des Moines Metropolitan Area

September 1985

Report # 86-TSM-01

1985 ACCIDENT SUMMARY
for the Des Moines Metropolitan Area

Report # 86-TSM-01

September, 1985

The preparation of this report has been financed in part through grants from the U.S. Department of Transportation, under the Surface Transportation Assistance Act of 1978, administered by the Urban Mass Transportation Administration and the Federal Highway Administration.

1985 ACCIDENT STUDY REPORT

The 1985 Accident Summary Report summarizes the number of accidents at intersections throughout the metropolitan area to determine possible locations for improvement. The number of total accidents at a location is used with the traffic count to derive an accidents per million entering vehicles ratio which is the basis of the ranking system. This is referred to as the ACC/MEV ratio.

The accident information for this report is from the Iowa DOT ALAS (Accident Location Analysis System) system and entered into a computerized data file. Traffic count information is based on the most recent counts by Iowa DOT, Polk County, and the various cities in the area. Counts were estimated for some locations using counts from the closest intersections.

This year, for the first time, freeway ramps were analyzed independent of the total interchange. The ACC/MEV ratio is dependent on the traffic count. Freeway interchanges were previously analyzed on the basis of total freeway and total cross street traffic counts. The purchase of a microcomputer has allowed staff to separate out, without large expenditures of time, the unique sections of a freeway interchange and determine ACC/MEV ratios for each as well as for the total interchange.

The following tables summarize the accident information collected. The information is for comparison only and will be presented annually in a similar format. Project ranking should not be inferred from these tables.

<u>TABLE</u>	<u>INFORMATION PRESENTED</u>
I	Intersections ranked in top 50 metropolitan locations for AVERAGE ANNUAL ACCIDENTS and ACCIDENT RATE
II	Intersections with greater than 10 accidents per year 1982-1984
III	Intersections with ACCIDENTS PER MILLION ENTERING VEHICLES (ACC/MEV) ratios greater than 1.50
IV	Appendix - A composite of information on all accident locations monitored. It includes 1982 Accidents, 1983 Accidents, 1984 Accidents, Average Annual Accidents 1982-1984, ACC/MEV ratio, and ADT

TABLE I

INTERSECTION RANKED IN TOP 50 FOR BOTH
AVERAGE ANNUAL ACCIDENTS AND ACCIDENT RATE

<u>LOCATION</u>	<u>Average Annual ACC</u>	<u>RANK</u>	<u>Accident Rate In ACC/MEV</u>	<u>Project RANK</u>	<u>Status</u>
I-235/8th (WDM)	61.3	1	2.66	9	86
Watrous/SW 9th	26.0	11	2.87	4	X
Grand/E. 14th	27.7	10	2.77	8	86
Johnson Court/Maple	20.0	23	5.04	2	
I-235/35th (WDM)	34.0	5	2.34	19	
Army Post Road/SE 5th	23.7	14	2.62	11	88
Penn/University	25.3	13	2.61	12	
Euclid/Harding/Douglas	26.0	11	2.44	16	
University/19th	22.7	17	2.62	10	
Freeway/E. 6th Penn	57.7	2	1.98	26	X
Freeway/E. 14th	50.3	3	1.83	37	
Grand/E. 15th	23.0	16	2.18	22	86
Watrous/SE 14th	21.3	21	2.43	17	X
Court/E. 14th	19.0	25	2.39	18	
Grand/2nd Avenue	16.0	38	2.78	7	
Army Post Road/Southridge Ent.	15.7	42	2.81	6	
High/9th Street	15.3	46	2.83	5	
Ingersoll/31st	16.3	37	2.49	15	X
Army Post Road/SW 9th	19.7	24	1.94	30	X
University/2nd Avenue	23.3	15	1.73	42	
Army Post Road/SE 14th	18.0	30	1.97	29	
University/42nd	16.7	34	1.98	27	X
Euclid/E. 14th	22.7	17	1.65	47	X
Euclid/6th Avenue	18.3	28	1.70	43	
Hickman/Merle Hay Road	18.7	26	1.69	46	
Delaware/Euclid	15.3	46	1.92	31	

*Project Status

86, 87, 88 Project Year in the TIP
X Work recently completed or in progress

TABLE II--LOCATIONS WITH MORE THAN 10 ANNUAL ACCIDENTS (1982-1984)

ACC	STREET1	STREET2	JURISDICTION
61.3	FREEWAY	8TH (WDM)	IDOT
57.7	FREEWAY	E 6TH ST	IDOT
50.3	FREEWAY	E 14TH	IDOT
35.3	FREEWAY	KEO	IDOT
34.0	FREEWAY	35TH (WDM)	IDOT
32.0	FREEWAY	63RD	IDOT
29.3	FREEWAY	COTTAGE GROVE	IDOT
28.0	EAST JUNCTION	I 80/35/235	IDOT
28.0	FREEWAY	42ND	IDOT
27.7	GRAND	E 14TH	DES MOINES
26.0	EUCLID	HARDING	DES MOINES
26.0	WATROUS	SW 9TH	DES MOINES
25.3	PENNSYLVANIA	UNIVERSITY	DES MOINES
23.7	ARMY POST RD	SE 5TH	DES MOINES
23.3	UNIVERSITY	2ND AVE	DES MOINES
23.0	GRAND	E 15TH	DES MOINES
22.7	EUCLID	E 14TH	DES MOINES
22.7	UNIVERSITY	19TH	DES MOINES
22.3	FREEWAY	UNIVERSITY	IDOT
22.0	EUCLID	2ND AVE	DES MOINES
21.3	WATROUS	SE 14TH	DES MOINES
20.0	JOHNSON CT	MAPLE	DES MOINES
19.7	ARMY POST RD	SW 9TH	DES MOINES
19.0	COURT	E 14TH	DES MOINES
18.7	HICKMAN	MERLE HAY ROAD	DES MOINES
18.7	MERLE HAY RD	I80/35	IDOT
18.3	EUCLID	6TH AVE	DES MOINES
18.3	FREEWAY	EUCLID	IDOT
18.0	ARMY POST RD	SE 14TH	DES MOINES
17.3	HUBBELL	UNIVERSITY	DES MOINES
17.3	WEST JUNCTION	I 80/35/235	IDOT
17.0	MAURY	SE 14TH	DES MOINES
16.7	BELL	FLEUR	DES MOINES
16.7	FLEUR	GRAND	DES MOINES
16.7	FREEWAY	22ND (WDM)	IDOT
16.7	UNIVERSITY	42ND	DES MOINES
16.3	INGERSOLL	31ST	DES MOINES
16.0	BEAVER	DOUGLAS	DES MOINES
16.0	GRAND	2ND AVE	DES MOINES
15.7	ARMY POST RD	SOUTHRIDGE ENT.	DES MOINES
15.7	AURORA	MERLE HAY ROAD	DM/URBANDALE
15.7	FREEWAY	HICKMAN	IDOT
15.7	UNIVERSITY	E 30TH	DES MOINES
15.3	DELAWARE	EUCLID	DES MOINES
15.3	HIGH	9TH ST	DES MOINES
15.0	UNIVERSITY	6TH AVE	DES MOINES
14.7	HARTFORD	SE 14TH	DES MOINES
14.7	HULL	E 14TH	DES MOINES
14.7	WESTTOWN	22ND (WDM)	WEST DES MOINES
14.3	FREEWAY	US 65	IDOT
14.3	HUBBELL	E 38TH	DES MOINES
14.3	UNIVERSITY	86TH	CLIVE
14.0	FREEWAY	GUTHRIE	IDOT
14.0	HOLCOMB	2ND AVE	DES MOINES
14.0	SCHOOL	6TH AVE	DES MOINES

TABLE II--LOCATIONS WITH MORE THAN 10 ANNUAL ACCIDENTS (1982-1984)

ACC	STREET1	STREET2	JURISDICTION
13.7	FOREST	HARDING	DES MOINES
13.3	PARK AVE	SW 9TH	DES MOINES
13.0	FLEUR	PARK AVE	DES MOINES
13.0	FREEWAY	56TH	IDOT
13.0	UNIVERSITY	E 9TH	DES MOINES
12.7	AURORA	E 14TH	DM/POLK CO/IDOT
12.7	COTTAGE GROVE	HARDING	DES MOINES
12.7	MERLE HAY ROA	URBANDALE	DES MOINES
12.7	UNIVERSITY	E 14TH	DES MOINES
12.7	UNIVERSITY	E 29TH	DES MOINES
12.3	FLEUR	MCKINLEY	DES MOINES
12.3	FREEWAY	PENN (EXITS)	IDOT
12.3	INDIANOLA	SE 14TH	DES MOINES
12.3	PORTER	SW 9TH	DES MOINES
12.3	UNIVERSITY	E 21ST	DES MOINES
12.0	ASHWORTH	8TH (WDM)	WEST DES MOINES
12.0	COURT	JOHNSON CT	DES MOINES
12.0	DOUGLAS	72ND	URBANDALE
12.0	MCKINLEY	SE 14TH	DES MOINES
12.0	PARK AVE	SE 14TH	DES MOINES
12.0	WESTOWN	35TH	WEST DES MOINES
11.7	CORNELL	EUCLID	DES MOINES
11.3	ARMY POST RD	S UNION	DES MOINES
11.3	ARMY POST RD	FLEUR	DES MOINES
11.3	BROADWAY	US 69	POLK CO/IDOT
11.3	MADISON	E 14TH	DES MOINES
11.0	DOUGLAS	MERLE HAY RD	DES MOINES
11.0	GRAND	19TH	DES MOINES
11.0	GRAND	63RD	DM/WDM
11.0	HARDING	HICKMAN	DES MOINES
10.7	GRAND	6TH AVE	DES MOINES
10.7	LOCUST	7TH	DES MOINES
10.7	LOCUST	9TH	DES MOINES
10.3	HICKORY BLVD	HIGHWAY 163	PLEASANT HILL
10.3	I 235	63RD ST (S)	IDOT
10.3	WALNUT	E 15TH	DES MOINES
10.0	AURORA	2ND AVE	DM/POLK CO/IDOT
10.0	FREEWAY	31ST	IDOT
10.0	GRAND	9TH ST	DES MOINES
10.0	I 235	8TH (S)	IDOT
10.0	MCKINLEY	SW 9TH	DES MOINES

TABLE III--LOCATIONS WITH ACCIDENT RATES HIGHER THAN 1.5 ACCIDENTS/MEV

ACCMEV	STREET1	STREET2	ACC	ADT	JURISDICTION
5.14	FREEWAY	PENN (EXITS)	12.3	6580	IDOT
5.04	JOHNSON CT	MAPLE	20.0	10873	DES MOINES
3.92	I 80	US 65/6 (S)	6.3	4423	IDOT
2.87	WATROUS	SW 9TH	26.0	24857	DES MOINES
2.83	HIGH	9TH ST	15.3	14820	DES MOINES
2.81	ARMY POST RD	SOUTHRIDGE ENT.	15.7	15300	DES MOINES
2.78	GRAND	2ND AVE	16.0	15743	DES MOINES
2.77	GRAND	E 14TH	27.7	27350	DES MOINES
2.66	FREEWAY	8TH (WDM)	61.3	63100	IDOT
2.62	UNIVERSITY	19TH	22.7	23710	DES MOINES
2.62	ARMY POST RD	SE 5TH	23.7	24765	DES MOINES
2.61	PENNSYLVANIA	UNIVERSITY	25.3	26550	DES MOINES
2.61	BROADWAY	NE 3RD ST	5.3	5600	POLK CO
2.50	JOHNSON CT	WALKER	9.7	10600	DES MOINES
2.49	INGERSOLL	31ST	16.3	18000	DES MOINES
2.44	EUCLID	HARDING	26.0	29135	DES MOINES
2.43	WATROUS	SE 14TH	21.3	24090	DES MOINES
2.39	COURT	E 14TH	19.0	21755	DES MOINES
2.34	FREEWAY	35TH (WDM)	34.0	39850	IDOT
2.32	SCHOOL	6TH AVE	14.0	16500	DES MOINES
2.18	GRAND	E 15TH	23.0	28850	DES MOINES
2.07	HUBBELL	E 38TH	14.3	18935	DES MOINES
2.02	FOREST	HARDING	13.7	18510	DES MOINES
2.01	ASHWORTH	8TH (WDM)	12.0	16340	WEST DES MOINES
1.98	UNIVERSITY	E 9TH	13.0	18000	DES MOINES
1.98	FREEWAY	E 6TH ST	57.7	79950	IDOT
1.98	UNIVERSITY	42ND	16.7	23116	DES MOINES
1.97	HOLCOMB	2ND AVE	14.0	19466	DES MOINES
1.97	ARMY POST RD	SE 14TH	18.0	25070	DES MOINES
1.94	ARMY POST RD	SW 9TH	19.7	27765	DES MOINES
1.92	DELAWARE	EUCLID	15.3	21830	DES MOINES
1.89	INDIANOLA	PARK AVE	9.7	14031	DES MOINES
1.85	US 6	NE 56TH ST	7.3	10865	IDOT
1.82	HICKORY BLVD	HIGHWAY 163	10.3	15565	PLEASANT HILL
1.82	PORTER	SW 9TH	12.3	18581	DES MOINES
1.82	FREEWAY	E 14TH	50.3	75950	IDOT
1.78	COTTAGE GROVE	HARDING	12.7	19500	DES MOINES
1.75	I 235	8TH (S)	10.0	15628	IDOT
1.73	UNIVERSITY	13TH	8.7	13700	DES MOINES
1.73	UNIVERSITY	2ND AVE	23.3	36950	DES MOINES
1.70	EUCLID	6TH AVE	18.3	29580	DES MOINES
1.70	AURORA	E 14TH	12.7	20440	DM/POLK CO/IDOT
1.70	DOUGLAS	72ND	12.0	19380	URBANDALE
1.69	HICKMAN	MERLE HAY ROAD	18.7	30290	DES MOINES
1.65	EUCLID	E 14TH	22.7	37700	DES MOINES
1.63	BEAVER	MADISON	8.7	14571	DES MOINES
1.62	CARPENTER	KEO	7.7	13004	DES MOINES
1.61	HULL	E 14TH	14.7	24902	DES MOINES
1.61	EAST JUNCTION	I 80/35/235	28.0	47600	IDOT
1.61	COURT	JOHNSON CT	12.0	20455	DES MOINES
1.59	AURORA	2ND AVE	10.0	17220	DM/POLK CO/IDOT
1.58	EUCLID	2ND AVE	22.0	38100	DES MOINES
1.54	DOUGLAS	70TH	9.7	17170	URBANDALE
1.52	MCKINLEY	SE 14TH	12.0	21565	DES MOINES
1.52	IOWA 5	IOWA 28 (W JCT)	6.3	11410	IDOT

TABLE III--LOCATIONS WITH ACCIDENT RATES HIGHER THAN 1.5 ACCIDENTS/MEV

ACCMEV	STREET1	STREET2	ACC	ADT	JURISDICTION
1.52	WESTOWN	42ND (WDM)	5.7	10240	WEST DES MOINES
1.51	DOUGLAS	75TH	8.0	14500	URBANDALE

TABLE IV--APPENDIX: ACCIDENT INFORMATION FILE

STREET1	STREET2	82	83	84	ACC	ADT	ACCMEV	JURIS
FRANKLIN	86TH	6	6	10	7.3	28000	0.72	CLIVE
HARBACH	86TH	6	7	7	6.7	29111	0.63	CLIVE
UNIVERSITY	86TH	11	20	12	14.3	33100	1.19	CLIVE
UNIVERSITY BL	86TH	8	6	6	6.7	30000	0.61	CLIVE
HICKMAN	80TH	8	0	0	2.7	28540	0.26	CLIVE/URB/WH
HICKMAN	86TH	10	14	5	9.7	37300	0.71	CLIVE/URBANDALE
HICKMAN	PATRICIA	6	6	6	6.0	16400	1.00	CLIVE/URBANDALE
ARMY POST RD	FLEUR	16	6	12	11.3	24780	1.25	DES MOINES
ARMY POST RD	S UNION	15	8	11	11.3	21665	1.43	DES MOINES
ARMY POST RD	SE 5TH	20	27	24	23.7	24765	2.62	DES MOINES
ARMY POST RD	SE 14TH	17	16	21	18.0	25070	1.97	DES MOINES
ARMY POST RD	SOUTHRIDGE EN	12	10	25	15.7	15300	2.81	DES MOINES
ARMY POST RD	SW 9TH	16	18	25	19.7	27765	1.94	DES MOINES
BEAVER	DOUGLAS	12	15	21	16.0	29773	1.47	DES MOINES
BEAVER	HICKMAN	1	9	8	6.0	24857	0.66	DES MOINES
BEAVER	MADISON	1	16	9	8.7	14571	1.63	DES MOINES
BEAVER	URBANDALE	5	10	5	6.7	24857	0.73	DES MOINES
BELL	FLEUR	13	20	17	16.7	36508	1.25	DES MOINES
CARPENTER	KEO	10	6	7	7.7	13004	1.62	DES MOINES
CLEVELAND	E 14TH	7	7	9	7.7	22417	0.94	DES MOINES
COLLEGE	6TH AVE	8	8	6	7.3	18484	1.09	DES MOINES
CORNELL	EUCLID	9	18	8	11.7	25450	1.26	DES MOINES
COTTAGE GROVE	HARDING	16	10	12	12.7	19500	1.78	DES MOINES
COURT	E 14TH	20	18	19	19.0	21755	2.39	DES MOINES
COURT	JOHNSON CT	7	13	16	12.0	20455	1.61	DES MOINES
COURT	RIVERSIDE	9	2	5	5.3	15000	0.97	DES MOINES
DELAWARE	EUCLID	16	14	16	15.3	21830	1.92	DES MOINES
DES MOINES	E 14TH	5	8	13	8.7	16100	1.47	DES MOINES
DOUGLAS	50TH	8	8	9	8.3	17500	1.30	DES MOINES
DOUGLAS	MERLE HAY RD	13	12	8	11.0	40295	0.75	DES MOINES
EASTON	HUBBELL	0	0	0	0.0	16490	0.00	DES MOINES
EUCLID	2ND AVE	21	26	19	22.0	38100	1.58	DES MOINES
EUCLID	6TH AVE	17	16	22	18.3	29580	1.70	DES MOINES
EUCLID	E 14TH	21	30	17	22.7	37700	1.65	DES MOINES
EUCLID	E 25TH	8	1	10	6.3	22000	0.79	DES MOINES
EUCLID	E 29TH	4	14	11	9.7	22590	1.17	DES MOINES
EUCLID	HARDING	26	30	22	26.0	29135	2.44	DES MOINES
EUCLID	WRIGHT	7	7	8	7.3	19400	1.04	DES MOINES
FLEUR	GRAND	19	15	16	16.7	36225	1.26	DES MOINES
FLEUR	MCKINLEY	14	9	14	12.3	32106	1.05	DES MOINES
FLEUR	PARK AVE	10	15	14	13.0	34276	1.04	DES MOINES
FLEUR	VALLEY	7	6	6	6.3	34000	0.51	DES MOINES
FOREST	HARDING	21	8	12	13.7	18510	2.02	DES MOINES
GRAND	2ND AVE	12	20	16	16.0	15743	2.78	DES MOINES
GRAND	6TH AVE	9	14	9	10.7	24857	1.18	DES MOINES
GRAND	7TH ST	3	9	13	8.3	24720	0.92	DES MOINES
GRAND	8TH ST	9	5	14	9.3	24857	1.03	DES MOINES
GRAND	9TH ST	8	9	13	10.0	26700	1.03	DES MOINES
GRAND	10TH	2	6	15	7.7	25030	0.84	DES MOINES
GRAND	18TH	7	1	9	5.7	24857	0.62	DES MOINES
GRAND	19TH	13	6	14	11.0	32660	0.92	DES MOINES
GRAND	E 6TH ST	5	9	11	8.3	24857	0.92	DES MOINES
GRAND	E 12TH	7	10	11	9.3	24857	1.03	DES MOINES

TABLE IV--APPENDIX: ACCIDENT INFORMATION FILE

STREET1	STREET2	82	83	84	ACC	ADT	ACCMEV	JURIS
GRAND	E 14TH	36	26	21	27.7	27350	2.77	DES MOINES
GRAND	E 15TH	16	22	31	23.0	28850	2.18	DES MOINES
GUTHRIE	E 14TH	7	9	11	9.0	24857	0.99	DES MOINES
HARDING	HICKMAN	7	14	12	11.0	31171	0.97	DES MOINES
HARDING	UNIVERSITY	17	6	5	9.3	22691	1.13	DES MOINES
HARTFORD	SE 14TH	17	9	18	14.7	31872	1.26	DES MOINES
HICKMAN	MERLE HAY ROA	14	17	25	18.7	30290	1.69	DES MOINES
HIGH	8TH ST	7	8	1	5.3	24857	0.59	DES MOINES
HIGH	9TH ST	20	13	13	15.3	14820	2.83	DES MOINES
HOLCOMB	2ND AVE	21	11	10	14.0	19466	1.97	DES MOINES
HUBBELL	E 38TH	17	16	10	14.3	18935	2.07	DES MOINES
HUBBELL	UNIVERSITY	16	20	16	17.3	36280	1.31	DES MOINES
HULL	E 14TH	10	19	15	14.7	24902	1.61	DES MOINES
INDIANOLA	7TH	10	15	3	9.3	24857	1.03	DES MOINES
INDIANOLA	PARK AVE	8	15	6	9.7	14031	1.89	DES MOINES
INDIANOLA	SE 14TH	10	6	21	12.3	35870	0.94	DES MOINES
INGERSOLL	28TH	3	9	10	7.3	16000	1.26	DES MOINES
INGERSOLL	31ST	14	14	21	16.3	18000	2.49	DES MOINES
INGERSOLL	42ND	13	4	9	8.7	24857	0.96	DES MOINES
INGERSOLL	CRESCENT	1	1	0	0.7	11000	0.17	DES MOINES
JOHNSON CT	MAPLE	14	21	25	20.0	10873	5.04	DES MOINES
JOHNSON CT	WALKER	13	7	9	9.7	10600	2.50	DES MOINES
KINGMAN	31ST	3	4	9	5.3	10500	1.39	DES MOINES
LACONA	SE 14TH	3	5	11	6.3	27800	0.62	DES MOINES
LOCUST	2ND AVE	4	17	7	9.3	27650	0.92	DES MOINES
LOCUST	3RD	9	6	13	9.3	27000	0.95	DES MOINES
LOCUST	6TH AVE	7	5	8	6.7	30000	0.61	DES MOINES
LOCUST	7TH	9	14	9	10.7	23355	1.25	DES MOINES
LOCUST	8TH	5	10	8	7.7	24857	0.85	DES MOINES
LOCUST	9TH	8	12	12	10.7	32654	0.89	DES MOINES
MADISON	2ND AVE	7	6	9	7.3	24857	0.81	DES MOINES
MADISON	E 14TH	14	8	12	11.3	24572	1.26	DES MOINES
MADISON	MERLE HAY RD	9	9	11	9.7	24857	1.07	DES MOINES
MAURY	SE 14TH	13	22	16	17.0	35570	1.31	DES MOINES
MCKINLEY	SE 14TH	12	15	9	12.0	21565	1.52	DES MOINES
MCKINLEY	SW 9TH	13	12	5	10.0	25690	1.07	DES MOINES
MEREDITH	MERLE HAY RD	8	1	11	6.7	24857	0.73	DES MOINES
MERLE HAY RD	UNIVERSITY	1	1	9	3.7	24857	0.40	DES MOINES
MERLE HAY ROA	URBANDALE	12	16	10	12.7	26601	1.30	DES MOINES
MULBERRY	7TH	9	4	9	7.3	24857	0.81	DES MOINES
MULBERRY	8TH	10	4	10	8.0	24857	0.88	DES MOINES
MULBERRY	9TH	5	3	5	4.3	24857	0.48	DES MOINES
PARK AVE	SE 14TH	16	5	15	12.0	28445	1.16	DES MOINES
PARK AVE	SW 9TH	17	12	11	13.3	26055	1.40	DES MOINES
PENNSYLVANIA	UNIVERSITY	25	25	26	25.3	26550	2.61	DES MOINES
PORTER	SW 9TH	11	11	15	12.3	18581	1.82	DES MOINES
SCHOOL	6TH AVE	11	15	16	14.0	16500	2.32	DES MOINES
UNIVERSITY	2ND AVE	27	18	25	23.3	36950	1.73	DES MOINES
UNIVERSITY	6TH AVE	10	18	17	15.0	27988	1.47	DES MOINES
UNIVERSITY	13TH	8	6	12	8.7	13700	1.73	DES MOINES
UNIVERSITY	19TH	20	26	22	22.7	23710	2.62	DES MOINES
UNIVERSITY	42ND	21	10	19	16.7	23116	1.98	DES MOINES
UNIVERSITY	E 9TH	8	17	14	13.0	18000	1.98	DES MOINES
UNIVERSITY	E 14TH	12	10	16	12.7	32250	1.08	DES MOINES
UNIVERSITY	E 21ST	15	12	10	12.3	25800	1.31	DES MOINES
UNIVERSITY	E 25TH	1	3	11	5.0	24857	0.55	DES MOINES

TABLE IV--APPENDIX: ACCIDENT INFORMATION FILE

STREET1	STREET2	82	83	84	ACC	ADT	ACCMEV	JURIS
UNIVERSITY	E 29TH	9	14	15	12.7	27119	1.28	DES MOINES
UNIVERSITY	E 30TH	24	9	14	15.7	30420	1.41	DES MOINES
UNIVERSITY	E 33RD	10	5	7	7.3	22510	0.89	DES MOINES
UNIVERSITY	WILLIAMS	1	12	8	7.0	24857	0.77	DES MOINES
VIRGINIA	SE 14TH	4	3	7	4.7	15772	0.81	DES MOINES
WALKER	E 15TH	13	7	9	9.7	50000	0.53	DES MOINES
WALNUT	2ND AVE	7	9	12	9.3	24857	1.03	DES MOINES
WALNUT	8TH ST	7	5	9	7.0	24857	0.77	DES MOINES
WALNUT	E 15TH	12	18	1	10.3	19910	1.42	DES MOINES
WASHINGTON	E 14TH	12	10	7	9.7	22860	1.16	DES MOINES
WATROUS	SE 14TH	22	14	26	21.3	24090	2.43	DES MOINES
WATROUS	SW 9TH	29	18	31	26.0	24857	2.87	DES MOINES
AURORA	2ND AVE	7	9	14	10.0	17220	1.59	DM/POLK CO/IDOT
AURORA	6TH DR	2	5	1	2.7	5570	1.31	DM/POLK CO/IDOT
AURORA	E 14TH	11	15	12	12.7	20440	1.70	DM/POLK CO/IDOT
PARK AVE	63RD	6	4	7	5.7	22625	0.69	DM/POLK CO/IDOT
AURORA	MERLE HAY ROA	21	11	15	15.7	32549	1.32	DM/URBANDALE
GRAND	63RD	7	16	10	11.0	32900	0.92	DM/WDM
HICKMAN	63RD	1	9	7	5.7	24857	0.62	DM/WH
UNIVERSITY	63RD	6	10	5	7.0	24857	0.77	DM/WH
EAST JUNCTION	I 80/35/235	27	28	29	28.0	47600	1.61	IDOT
FREEWAY	8TH (WDM)	37	63	84	61.3	63100	2.66	IDOT
FREEWAY	22ND (WDM)	11	25	14	16.7	52765	0.87	IDOT
FREEWAY	31ST	6	9	15	10.0	24857	1.10	IDOT
FREEWAY	35TH (WDM)	24	25	53	34.0	39850	2.34	IDOT
FREEWAY	42ND	14	35	35	28.0	83100	0.92	IDOT
FREEWAY	56TH	15	13	11	13.0	58570	0.61	IDOT
FREEWAY	63RD	19	32	45	32.0	71850	1.22	IDOT
FREEWAY	COTTAGE GROVE	17	22	49	29.3	79650	1.01	IDOT
FREEWAY	DOUGLAS	12	1	11	8.0	32955	0.67	IDOT
FREEWAY	E 6TH ST	61	47	65	57.7	79950	1.98	IDOT
FREEWAY	E 14TH	43	46	62	50.3	75950	1.82	IDOT
FREEWAY	EUCLID	15	16	24	18.3	52300	0.96	IDOT
FREEWAY	GRAND (WDM)	0	8	8	5.3	15905	0.92	IDOT
FREEWAY	GUTHRIE	14	15	13	14.0	52400	0.73	IDOT
FREEWAY	HICKMAN	14	13	20	15.7	35540	1.21	IDOT
FREEWAY	HIGHWAY 141	0	0	12	4.0	36500	0.30	IDOT
FREEWAY	KED	31	30	45	35.3	88600	1.09	IDOT
FREEWAY	PENN (EXITS)	11	11	15	12.3	6580	5.14	IDOT
FREEWAY	PENNSYLVANIA	1	1	1	1.0	10100	0.27	IDOT
FREEWAY	UNIVERSITY	22	24	21	22.3	75900	0.81	IDOT
FREEWAY	US 65	1	11	31	14.3	29090	1.35	IDOT
FREEWAY	W UNIVERSITY	0	0	0	0.0	30000	0.00	IDOT
I 235	8TH (N)	6	6	9	7.0	19442	0.99	IDOT
I 235	8TH (S)	6	11	13	10.0	15628	1.75	IDOT
I 235	22ND (N)	3	7	3	4.3	21476	0.55	IDOT
I 235	22ND (S)	3	4	4	3.7	15133	0.66	IDOT
I 235	31ST (N)	0	0	0	0.0	8863	0.00	IDOT
I 235	31ST (S)	0	0	0	0.0	9806	0.00	IDOT
I 235	35TH (WDM) (N)	8	4	12	8.0	19910	1.10	IDOT
I 235	35TH (WDM) (S)	3	5	7	5.0	18203	0.75	IDOT

TABLE IV--APPENDIX: ACCIDENT INFORMATION FILE

STREET1	STREET2	82	83	84	ACC	ADT	ACCMEV	JURIS
I 235	42ND (N)	0	0	0	0.0	18056	0.00	IDOT
I 235	56TH ST	4	1	4	3.0	8000	1.03	IDOT
I 235	63RD ST (N)	8	5	1	4.7	16000	0.80	IDOT
I 235	63RD ST (S)	8	10	13	10.3	20000	1.42	IDOT
I 235	E 14TH ST (N)	8	4	5	5.7	18355	0.85	IDOT
I 235	E 14TH ST (S)	9	9	5	7.7	19062	1.10	IDOT
I 235	GUTHRIE (E)	6	2	2	3.3	12000	0.76	IDOT
I 235	GUTHRIE (W)	3	3	3	3.0	12000	0.68	IDOT
I 80	US 65/6 (N)	0	3	3	2.0	4623	1.19	IDOT
I 80	US 65/6 (S)	6	5	8	6.3	4423	3.92	IDOT
I 80/35	2ND AVE (N)	3	1	6	3.3	17000	0.54	IDOT
I 80/35	2ND AVE (S)	2	1	9	4.0	18000	0.61	IDOT
I 80/35	MERLE HAY (N)	7	8	10	8.3	20803	1.10	IDOT
I 80/35	MERLE HAY (S)	4	3	8	5.0	22996	0.60	IDOT
I 80/35	US 69 (N)	8	4	5	5.7	18355	0.85	IDOT
I 80/35	US 69 (S)	9	9	5	7.7	19062	1.10	IDOT
IOWA 5	IOWA 28 (W JC)	5	9	5	6.3	11410	1.52	IDOT
IOWA 5	IOWA 28 (X-IN)	1	2	5	2.7	11210	0.65	IDOT
IOWA 5	IOWA 46	1	6	2	3.0	11385	0.72	IDOT
MERLE HAY RD	I80/35	10	15	31	18.7	49050	1.04	IDOT
US 6	NE 56TH ST	4	11	7	7.3	10865	1.85	IDOT
US 65	NE 56TH ST	2	5	4	3.7	8285	1.21	IDOT
WEST JUNCTION	I 80/35/235	17	15	20	17.3	38050	1.25	IDOT
HICKORY BLVD	HIGHWAY 163	10	10	11	10.3	15565	1.82	PLEASANT HILL
BROADWAY	NE 3RD ST	8	6	2	5.3	5600	2.61	POLK CO
BROADWAY	NE 22ND ST	1	5	5	3.7	8050	1.25	POLK CO
BROADWAY	NE 29TH ST	1	3	0	1.3	7235	0.50	POLK CO
NE 43RD AVE	E 14TH ST	1	2	0	1.0	14000	0.20	POLK CO
BROADWAY	US 69	8	9	17	11.3	24130	1.29	POLK CO/IDOT
NE 51ST AVE	E 14TH ST	3	5	4	4.0	21200	0.52	POLK CO/IDOT
NE 54TH AVE	2ND AVE	4	3	4	3.7	15000	0.67	POLK CO/IDOT
NE 54TH AVE	E 14TH ST	4	0	1	1.7	18000	0.25	POLK CO/IDOT
NE 58TH AVE	E 14TH ST	3	2	0	1.7	19000	0.24	POLK CO/IDOT
MERLE HAY RD	NORTH FRONTAG	0	0	15	5.0	30000	0.46	POLK CO/URB
AURORA	70TH	5	0	4	3.0	14822	0.55	URBANDALE
AURORA	86TH	4	2	5	3.7	11870	0.85	URBANDALE
DOUGLAS	66TH	5	3	3	3.7	8840	1.14	URBANDALE
DOUGLAS	70TH	12	13	4	9.7	17170	1.54	URBANDALE
DOUGLAS	72ND	10	14	12	12.0	19380	1.70	URBANDALE
DOUGLAS	75TH	3	11	10	8.0	14500	1.51	URBANDALE
DOUGLAS	86TH	4	7	6	5.7	15465	1.00	URBANDALE
HICKMAN	70TH	3	5	8	5.3	22100	0.66	URBANDALE/WH
HICKMAN	73RD	4	9	7	6.7	28047	0.65	URBANDALE/WH
ASHWORTH	8TH (WDM)	12	14	10	12.0	16340	2.01	WEST DES MOINES
ASHWORTH	35TH (WDM)	9	6	12	9.0	16885	1.46	WEST DES MOINES
ASHWORTH	39TH	0	3	6	3.0	10225	0.80	WEST DES MOINES
ASHWORTH	HOAK	7	0	4	3.7	19000	0.53	WEST DES MOINES
GRAND	4TH (WDM)	7	9	10	8.7	17750	1.34	WEST DES MOINES
GRAND	VINE	3	2	5	3.3	12900	0.71	WEST DES MOINES

TABLE IV--APPENDIX:ACCIDENT INFORMATION FILE

STREET1	STREET2	82	83	84	ACC	ADT	ACCMEV	JURIS
OFFICE PARK R	8TH (WDM)	9	3	4	5.3	18500	0.79	WEST DES MOINES
VINE	8TH (WDM)	4	5	5	4.7	10260	1.25	WEST DES MOINES
WESTOWN	22ND (WDM)	10	15	19	14.7	27950	1.44	WEST DES MOINES
WESTOWN	28TH (WDM)	1	7	5	4.3	10265	1.16	WEST DES MOINES
WESTOWN	31ST (WDM)	5	1	7	4.3	9000	1.32	WEST DES MOINES
WESTOWN	35TH	14	13	9	12.0	23760	1.38	WEST DES MOINES
WESTOWN	42ND (WDM)	3	7	7	5.7	10240	1.52	WEST DES MOINES
WOODLAND	35TH (WDM)	4	4	2	3.3	14700	0.62	WEST DES MOINES
UNIVERSITY	73RD	1	9	7	5.7	23000	0.68	WINDSOR HEIGHTS

STATE LIBRARY OF IOWA



3 1723 02095 8674