MH

TURNING MOVEMENT SUMMARY --- ver. 1.1
Section 1: 15 Minute Counts

NCDOT

COUNTY: GASTON IN CITY: GASTONIA

INTERSECTION: US 321 & RANKIN LAKE RD

STATION #: 08TM0137 COUNTED BY: NELSON & SENTERS

DATE: July 8 & 11, 2008 DAY OF WEEK: Friday, Tuesday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
RANKIN LAKE RD
APPROACH: NORTHWEST

TIME PERIOD	FROM NORTH ON A = US 321 TO			FROM SOUTHEAST ON B = RANKIN LAKE RD TO			FROM SOUTH ON C = US 321 TO			FROM NORTHWEST ON D = RANKIN LAKE RD TO			TOTAL all veh's.	SPECIAL COUNTS:			
	NW. on RANKIN 1	S. on US321 2	SE. on RANKIN 3	N. on US321 4	NW. on RANKIN 5	S. on US321 6	SE. on RANKIN 7	N. on US321 8	NW. on RANKIN 9	S. on US321 10	SE. on RANKIN 11	N. on US321 12		DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	1	210	0	9	0	0	2	131	21	9	0	0	383	0	0	0	0
6:15A	1	305	0	12	0	0	0	205	50	7	0	0	580	2	1	0	3
6:30A	7	327	0	17	0	0	3	250	46	14	0	0	664	1	4	0	5
6:45A	3	263	0	10	0	0	2	242	36	34	0	0	590	1	1	0	2
7:00A	2	285	0	10	0	0	3	225	19	55	0	0	599	2	0	0	2
7:15A	6	319	0	18	0	0	2	259	19	27	0	0	650	4	1	0	5
7:30A	2	344	0	17	0	0	6	286	21	14	0	0	690	3	1	0	4
7:45A	4	362	0	23	0	0	6	298	24	16	0	0	733	2	3	0	5
8:00A	3	313	0	17	0	0	6	259	17	11	0	0	626	1	2	0	3
8:15A	1	305	0	12	0	0	4	255	6	17	0	0	600	2	0	0	2
8:30A	1	312	0	15	0	0	8	245	12	30	0	0	623	13	1	0	14
8:45A	4	309	0	19	0	0	4	257	16	17	0	0	626	2	0	0	2
9:00A	2	301	0	14	0	0	8	232	11	22	0	0	590	2	1	0	3
9:15A	4	317	0	10	0	0	3	252	5	21	0	0	612	2	0	0	2
9:30A	8	321	0	8	0	0	7	270	16	21	0	0	651	3	1	0	4
9:45A	2	309	0	9	0	0	3	250	12	18	0	0	603	3	3	0	6
10:00A																	
10:15A																	
10:30A	5	280	0	14	0	0	5	280	19	20	0	0	623	1	2	0	3
10:45A	4	291	0	10	0	0	2	286	14	26	0	0	633	4	2	0	6
11:00A	7	296	0	22	0	0	3	319	14	25	0	0	686	1	1	0	2
11:15A	8	308	0	17	0	0	5	313	29	21	0	0	701	4	2	0	6
11:30A	11	298	0	14	0	0	2	356	15	38	0	0	734	3	0	0	3
11:45A	10	289	0	16	0	0	3	299	25	42	0	0	684	3	0	0	3
12:00P	10	290	0	10	0	0	3	282	33	38	0	0	666	2	2	0	4
12:15P	13	280	0	22	0	0	1	337	30	29	0	0	712	5	2	0	7
12:30P	22	298	0	22	0	0	7	314	33	36	0	0	732	3	1	0	4
12:45P	12	313	0	18	0	0	5	349	27	38	0	0	762	2	1	0	3
1:00P	15	336	0	17	0	0	6	328	29	41	0	0	772	4	1	0	5
1:15P	17	325	0	14	0	0	2	331	26	31	0	0	746	3	3	0	6
1:30P	18	281	0	17	0	0	1	374	24	31	0	0	746	4	3	0	7
1:45P	13	289	0	20	0	0	4	382	24	22	0	0	754	4	2	0	6

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321 =	US 321
RANKIN =	RANKIN LAKE RD

TIME PERIOD	FROM NORTH ON A = US 321 TO NW. on RANKIN 1	S. on US321 2	SE. on RANKIN 3	FROM SOUTHEAST ON B = RANKIN LAKE RD TO N. on US321 4	NW. on RANKIN 5	S. on US321 6	FROM SOUTH ON C = US 321 TO SE. on RANKIN 7	N. on US321 8	NW. on RANKIN 9	FROM NORTHWEST ON D = RANKIN LAKE RD TO S. on US321 10	SE. on RANKIN 11	N. on US321 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	7	311	0	15	0	0	4	329	32	28	0	0	726	3	0	0	3
2:15P	3	286	0	29	0	0	4	366	36	21	0	0	745	2	1	0	3
2:30P	12	311	0	17	0	0	6	374	41	32	0	0	793	2	3	0	5
2:45P	12	307	0	16	0	0	4	351	21	70	0	0	781	3	0	0	3
3:00P	8	367	0	17	0	0	7	319	17	44	0	0	779	4	0	0	4
3:15P	3	328	0	19	0	0	8	355	28	52	0	0	793	3	2	0	5
3:30P	9	351	0	34	0	0	5	339	39	31	0	0	808	6	1	0	7
3:45P	5	354	0	33	0	0	6	377	35	28	0	0	838	1	0	0	1
4:00P	10	373	0	28	0	0	6	413	30	37	0	0	897	5	0	0	5
4:15P	7	299	0	18	0	0	7	351	24	43	0	0	749	5	1	0	6
4:30P	7	268	0	9	0	0	9	336	15	26	0	0	670	2	1	0	3
4:45P	12	289	0	12	0	0	7	364	20	29	0	0	733	3	1	0	4
5:00P	13	343	0	35	0	0	8	422	16	53	0	0	890	8	2	0	10
5:15P	4	285	0	32	0	0	6	487	27	33	0	0	874	3	1	0	4
5:30P	6	314	0	21	0	0	7	409	27	21	0	0	805	2	1	0	3
5:45P	9	303	0	11	0	0	5	412	24	35	0	0	799	2	1	0	3
6:00P	11	265	0	20	0	0	4	342	34	26	0	0	702	4	1	0	5
6:15P	12	250	0	14	0	0	8	363	14	25	0	0	686	2	2	0	4
6:30P																	
6:45P																	
7:00P	4	181	0	11	0	0	3	234	16	21	0	0	470	3	1	0	4
7:15P	7	184	0	8	0	0	3	215	12	15	0	0	444	1	1	0	2
7:30P	3	147	0	9	0	0	5	190	23	23	0	0	400	1	0	0	1
7:45P	9	153	0	5	0	0	3	189	15	15	0	0	389	2	0	0	2
8:00P																	
8:15P																	
8:30P																	
8:45P																	
9:00P																	
9:15P																	
9:30P																	
9:45P																	
13.00-HOUR TOTALS	389	15345	0	866	0	0	241	16003	1219	1479	0	0	35542	153	61	0	214
24-HOUR PROJECTION	492	19641	0	1096	0	0	305	20483	1542	1871	0	0	45430	161	76	0	237
AM PEAK HOUR BEGINS AT 11:00A TOTALS	36	1191	0	69	0	0	13	1287	83	126	0	0	2805	11	3	0	14
PM PEAK HOUR BEGINS AT 5:00P TOTALS	32	1245	0	99	0	0	26	1730	94	142	0	0	3368	15	5	0	20

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321 =	US 321
RANKIN =	RANKIN LAKE RD

TURNING MOVEMENT SUMMARY --- ver. 1.1
Section 2: Summary Tables

INTER-SECTION TOTALS AND FACTORS:	VOLUME SURVEYED	AM PEAK VOLUME AT 11:00A	PEAK HOUR PERCENTAGES
	35542	2805	AM: 6% PM: 7%
	PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 5:00P	PEAK HOUR FACTORS
	45430	3368	AM: 0.96 PM: 0.95

TRUCKS TOTALS ON NORTHWEST APPROACH OF RANKIN LAKE RD

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	153	61	0	214
PROJECTED	161	76	0	237
PERCENTAGE	4.1%	2.0%	0.0%	6.1%

TOTALS AND FACTORS BY APPROACH:	A = NORTH APPR. OF US 321		B = SOUTHEAST APPR. OF RANKIN LAKE RD		C = SOUTH APPR. OF US 321		D = NORTHWEST APPR. OF RANKIN LAKE RD	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	15734	20133	866	1096	17463	22330	1479	1871
EXT. VOL.	16869	21579	241	305	16824	21512	1608	2035
TOTAL VOL.	32603	41712	1107	1401	34287	43842	3087	3906
AM PEAK	HOUR BEGINS:	11:00A	HOUR BEGINS:	7:15A	HOUR BEGINS:	11:00A	HOUR BEGINS:	11:30A
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	1227	48%	75	79%	1383	51%	147	50%
EXT. VOL.	1356	52%	20	21%	1317	49%	147	50%
TOTAL VOL.	2583	---	95	---	2700	---	294	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	6%	0.95	7%	0.82	6%	0.95	8%	0.91
PM PEAK	HOUR BEGINS:	5:00P	HOUR BEGINS:	3:15P	HOUR BEGINS:	5:00P	HOUR BEGINS:	2:30P
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	1277	41%	114	82%	1850	57%	198	58%
EXT. VOL.	1829	59%	25	18%	1387	43%	142	42%
TOTAL VOL.	3106	---	139	---	3237	---	340	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	7%	0.96	10%	0.89	7%	0.96	9%	0.83

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                                    NORTH APPROACH
                                        US321
                                      +-------+
                                      |41712 |
NORTHWEST APPROACH                    +-------+
      RANKIN                        492 19641     0
      +-------+                    Right Thru  Left
      | 3906 |
      +-------+          0
                 0          Left
        1871          Thru
              Right


                                TOTAL ENTERING VOLUME:

                                   ++=======++
                                   ||45430 ||
                                   ++=======++


                                                  Right
                                          Thru        1096
                                  Left          0
                                        0       +-------+
                                                | 1401 |
                                                +-------+
                                                      RANKIN
                                                SOUTHEAST APPROACH
                                Left  Thru  Right
                                1542 20483   305
                                    +-------+
                                    |43842 |
                                    +-------+
                                     US321
                                 SOUTH APPROACH
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                                   TURNING MOVEMENT SUMMARY
                                   Section 4:  AM Peak Hour Diagram
                                          11:00A

                                       NORTH APPROACH
                                          US321
                                         +-------+
                                         | 2583 |
                                         +-------+
NORTHWEST APPROACH                     36  1191     0
     RANKIN                           Right Thru  Left
     +-------+
     |  245 |
     +-------+          0
                0        Left
        126        Thru
             Right


                                   TOTAL ENTERING VOLUME:

                                       ++=======++
                                       || 2805 ||
                                       ++=======++


                                                          Right
                                                 Thru          69
                                        Left            0
                                                0       +-------+
                                                        |   82 |
                                                        +-------+
                                   Left  Thru  Right                RANKIN
                                     83  1287    13                SOUTHEAST APPROACH
                                       +-------+
                                       | 2700 |
                                       +-------+
                                         US321
                                    SOUTH APPROACH
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                                   TURNING MOVEMENT SUMMARY
                                   Section 5:  PM Peak Hour Diagram
                                          5:00P

                                       NORTH APPROACH
                                          US321
                                         +-------+
                                         | 3106 |
                                         +-------+
NORTHWEST APPROACH                     32  1245     0
     RANKIN                           Right Thru  Left
     +-------+
     |  268 |
     +-------+          0
                0        Left
        142        Thru
             Right


                                   TOTAL ENTERING VOLUME:

                                       ++======++
                                       || 3368 ||
                                       ++======++


                                                  Right
                                          Thru          99
                                   Left          0
                                          0       +-------+
                                                  |  125 |
                                                  +-------+
                                   Left  Thru  Right                RANKIN
                                     94  1730    26                SOUTHEAST APPROACH
                                       +-------+
                                       | 3237 |
                                       +-------+
                                         US321
                                    SOUTH APPROACH
```