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

NCDOT

COUNTY: GASTON IN CITY: GASTONIA

INTERSECTION: US 321 & BULB AVE & TULIP DR

STATION #: 08TM0136 COUNTED BY: NELSON & SENTERS

DATE: July 7 & 10, 2008 DAY OF WEEK: Thursday, Monday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
TULIP DR
APPROACH: WEST

TIME PERIOD	FROM NORTH ON A = US 321 TO W. on TULIP 1	S. on US321 2	E. on BULB 3	FROM EAST ON B = BULB AVE TO N. on US321 4	W. on TULIP 5	S. on US321 6	FROM SOUTH ON C = US 321 TO E. on BULB 7	N. on US321 8	W. on TULIP 9	FROM WEST ON D = TULIP DR TO S. on US321 10	E. on BULB 11	N. on US321 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	11	300	0	0	0	7	5	133	17	1	0	1	475	2	0	0	2
6:15A	47	303	0	0	1	2	3	198	41	2	0	0	597	1	3	0	4
6:30A	51	261	0	0	1	2	3	184	94	4	0	4	604	2	1	0	3
6:45A	11	263	0	0	0	2	5	260	41	22	4	45	653	4	2	0	6
7:00A	10	328	1	1	0	4	5	227	24	17	0	32	649	1	2	0	3
7:15A	8	338	1	1	0	0	6	267	20	7	0	9	657	2	7	0	9
7:30A	4	385	2	2	0	1	6	323	26	6	0	7	762	5	2	0	7
7:45A	9	384	0	1	0	5	7	377	32	4	0	2	821	1	4	0	5
8:00A	12	336	0	1	1	2	3	278	10	3	0	5	651	6	0	0	6
8:15A	6	319	1	0	0	3	4	274	15	5	0	8	635	11	4	0	15
8:30A	4	305	0	0	0	4	4	277	13	3	0	6	616	4	1	0	5
8:45A	1	320	0	1	2	0	4	277	15	11	0	7	638	6	7	0	13
9:00A	2	273	0	0	0	4	2	264	15	7	0	7	574	4	7	0	11
9:15A	8	289	1	0	0	5	4	264	12	7	0	3	593	4	5	0	9
9:30A	3	285	0	0	0	1	2	272	9	6	0	8	586	0	3	0	3
9:45A	3	285	0	2	0	0	2	269	16	3	1	7	588	5	6	0	11
10:00A																	
10:15A																	
10:30A	12	292	1	1	0	1	3	271	3	6	1	8	599	6	6	0	12
10:45A	5	289	0	1	0	1	2	262	13	4	0	8	585	4	4	0	8
11:00A	7	274	0	1	1	4	3	270	15	11	0	14	600	5	2	0	7
11:15A	8	292	0	1	0	1	0	279	16	5	0	5	607	2	4	0	6
11:30A	0	303	0	0	0	2	4	284	16	11	0	9	629	2	1	0	3
11:45A	4	318	0	2	0	4	1	268	17	6	0	12	632	3	4	0	7
12:00P	5	303	2	0	0	2	1	275	9	13	1	26	637	4	4	0	8
12:15P	10	311	0	1	0	5	1	292	16	8	0	10	654	4	4	0	8
12:30P	8	307	1	0	0	0	1	275	19	5	0	8	624	0	2	0	2
12:45P	4	330	0	1	0	8	2	293	16	7	0	25	686	3	4	0	7
1:00P	7	287	1	2	0	1	2	293	21	4	0	5	623	0	3	0	3
1:15P	8	281	1	1	0	3	2	304	11	7	0	11	629	2	1	0	3
1:30P	9	284	1	0	0	1	5	325	25	7	0	8	665	3	3	0	6
1:45P	14	304	0	0	0	2	1	340	22	7	0	15	705	5	5	0	10

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321 =	US 321
BULB =	BULB AVE
TULIP =	TULIP DR

TIME PERIOD	FROM NORTH ON A = US 321 TO W. on TULIP 1	S. on US321 2	E. on BULB 3	FROM EAST ON B = BULB AVE TO N. on US321 4	W. on TULIP 5	S. on US321 6	FROM SOUTH ON C = US 321 TO E. on BULB 7	N. on US321 8	W. on TULIP 9	FROM WEST ON D = TULIP DR TO S. on US321 10	E. on BULB 11	N. on US321 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	16	322	0	2	0	4	1	287	24	8	0	2	666	2	6	0	8
2:15P	25	337	0	1	0	1	3	339	44	11	2	12	775	5	3	0	8
2:30P	15	330	0	2	1	2	2	307	45	15	1	16	736	7	2	0	9
2:45P	6	294	3	2	0	2	3	290	27	64	1	53	745	4	1	0	5
3:00P	9	305	1	2	0	0	4	322	21	65	0	62	791	7	4	0	11
3:15P	2	317	0	0	0	2	1	354	17	11	0	16	720	4	4	0	8
3:30P	10	322	1	1	0	2	2	345	22	32	1	29	767	6	2	0	8
3:45P	5	282	1	0	0	3	2	365	26	17	0	20	721	4	4	0	8
4:00P	2	334	1	0	0	1	4	389	14	18	0	17	780	3	5	0	8
4:15P	3	304	1	0	0	2	1	418	9	10	1	9	758	5	2	0	7
4:30P	3	344	0	3	0	4	1	460	8	21	0	20	864	5	2	0	7
4:45P	3	265	0	2	0	1	2	484	22	7	1	13	800	5	2	0	7
5:00P	7	321	0	3	0	12	2	483	12	21	0	22	883	5	1	0	6
5:15P	3	295	0	2	0	3	0	521	11	12	1	8	856	2	4	0	6
5:30P	1	305	1	1	0	1	2	468	9	11	0	10	809	1	1	0	2
5:45P	5	294	1	0	0	4	2	452	9	8	0	14	789	1	1	0	2
6:00P	3	308	1	0	0	2	3	414	14	11	0	9	765	4	3	0	7
6:15P	5	235	0	1	1	1	1	300	10	5	0	7	566	3	2	0	5
6:30P																	
6:45P																	
7:00P	1	177	0	2	0	2	1	219	9	4	0	18	433	0	1	0	1
7:15P	1	152	0	0	0	1	1	197	3	2	0	4	361	0	1	0	1
7:30P	2	190	0	1	0	0	2	186	2	3	0	6	392	0	4	0	4
7:45P	1	176	0	0	0	0	4	187	7	2	0	4	381	0	5	0	5
8:00P	2	132	0	0	0	4	1	223	0	2	0	1	365	0	1	0	1
8:15P	0	166	0	1	0	1	0	175	4	3	0	4	354	1	0	0	1
8:30P	1	134	0	0	0	1	0	165	6	0	0	10	317	1	3	0	4
8:45P	2	114	0	0	0	0	0	133	5	3	0	10	267	1	1	0	2
9:00P	1	104	0	0	0	0	0	150	5	4	0	8	272	1	1	0	2
9:15P	5	120	0	0	0	0	0	141	4	3	0	4	277	1	2	0	3
9:30P	3	130	0	0	0	0	0	144	8	3	0	2	290	0	2	0	2
9:45P	5	132	0	0	0	0	0	121	8	2	0	4	272	1	1	0	2
15.00-HOUR TOTALS	438	16390	24	46	8	133	138	17214	1024	587	15	729	36746	180	172	0	352
24-HOUR PROJECTION	503	19083	28	53	9	153	158	20042	1175	674	17	837	42730	189	215	0	404
AM PEAK HOUR BEGINS AT 7:15A TOTALS	33	1443	3	5	1	8	22	1245	88	20	0	23	2891	14	13	0	27
PM PEAK HOUR BEGINS AT 4:30P TOTALS	16	1225	0	10	0	20	5	1948	53	61	2	63	3403	17	9	0	26

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321	US 321
BULB	BULB AVE
TULIP	TULIP DR

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

INTER-SECTION TOTALS AND FACTORS:	VOLUME SURVEYED	AM PEAK VOLUME AT 7:15A	PEAK HOUR PERCENTAGES
	36746	2891	AM: 7% PM: 8%
	PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 4:30P	PEAK HOUR FACTORS
	42730	3403	AM: 0.88 PM: 0.96

TRUCKS TOTALS ON WEST APPROACH OF TULIP DR

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	180	172	0	352
PROJECTED	189	215	0	404
PERCENTAGE	5.9%	6.7%	0.0%	12.6%

TOTALS AND FACTORS BY APPROACH:	A = NORTH APPR. OF US 321		B = EAST APPR. OF BULB AVE		C = SOUTH APPR. OF US 321		D = WEST APPR. OF TULIP DR	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	16852	19613	187	214	18376	21376	1331	1527
EXT. VOL.	17989	20931	177	203	17110	19909	1470	1687
TOTAL VOL.	34841	40544	364	417	35486	41284	2801	3214
AM PEAK	HOUR BEGINS:	7:15A	HOUR BEGINS:	7:00A	HOUR BEGINS:	7:15A	HOUR BEGINS:	6:15A
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	1479	54%	15	35%	1355	48%	130	29%
EXT. VOL.	1273	46%	28	65%	1471	52%	321	71%
TOTAL VOL.	2752	---	43	---	2826	---	451	---
	% 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%	0.89	10%	0.83	7%	0.87	14%	0.73
PM PEAK	HOUR BEGINS:	4:30P	HOUR BEGINS:	4:30P	HOUR BEGINS:	4:30P	HOUR BEGINS:	2:15P
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	1241	38%	30	81%	2006	61%	302	61%
EXT. VOL.	2021	62%	7	19%	1306	39%	193	39%
TOTAL VOL.	3262	---	37	---	3312	---	495	---
	% 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	8%	0.98	9%	0.54	8%	0.97	15%	0.79

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

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                                  NORTH APPROACH
                                      US321
                                     +------+
                                     |40544 |
                                     +------+
                                  503 19083    28
                                 Right Thru  Left

                                 837  Left                TOTAL ENTERING VOLUME:                Right   53
  WEST        +------+                                                                                  +------+        EAST
      TULIP   | 3214 |    17  Thru                          ++======++                      Thru     9 |  417 |BULB
APPROACH      +------+                                      ||42730 ||                                  +------+       APPROACH
                                 674  Right                   ++======++                      Left   153

                                  Left  Thru  Right
                                  1175 20042   158
                                     +------+
                                     |41284 |
                                     +------+
                                      US321
                                  SOUTH APPROACH
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                                TURNING MOVEMENT SUMMARY
                                Section 4:  AM Peak Hour Diagram
                                       7:15A

                                    NORTH APPROACH
                                       US321
                                      +-------+
                                      | 2752 |
                                      +-------+
                                    33  1443     3
                                  Right Thru  Left


                                 23  Left                TOTAL ENTERING VOLUME:                Right    5
  WEST        +-------+                                                                                  +-------+        EAST
      TULIP   |  165 |          0  Thru                      ++======++                       Thru     1 |   39 |BULB
APPROACH      +-------+                                      || 2891 ||                                  +-------+       APPROACH
                                 20  Right                     ++======++                       Left     8


                                  Left  Thru  Right
                                    88  1245    22
                                      +-------+
                                      | 2826 |
                                      +-------+
                                       US321
                                   SOUTH APPROACH
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                                TURNING MOVEMENT SUMMARY
                                Section 5:  PM Peak Hour Diagram
                                       4:30P

                                   NORTH APPROACH
                                       US321
                                      +------+
                                      | 3262 |
                                      +------+
                                    16  1225     0
                                  Right Thru  Left

                                 63  Left                TOTAL ENTERING VOLUME:                Right   10
  WEST        +------+                                                                                  +------+        EAST
      TULIP   |  195 |          2  Thru                      ++======++                       Thru     0 |   37 |BULB
APPROACH      +------+                                      || 3403 ||                                  +------+       APPROACH
                                 61  Right                    ++======++                       Left    20

                                   Left  Thru  Right
                                     53  1948     5
                                      +------+
                                      | 3312 |
                                      +------+
                                       US321
                                   SOUTH APPROACH
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