MH

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

NCDOT

COUNTY: GASTON IN CITY: GASTONIA

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

INTERSECTION: I-85 SB RAMPS & US 321

STATION #: 08TM0138 COUNTED BY: DOYLE & NELSON & NOBLES & SEN

ROUTE: US 321

DATE: July 8 & 9, 2008 DAY OF WEEK: Wednesday, Tuesday

APPROACH: NORTH

TIME PERIOD	FROM NORTH ON A = US 321 TO W. on SBRAMPS 1	S. on US321 2	FROM SOUTH ON B = US 321 TO N. on US321 3	W. on SBRAMPS 4	FROM WEST ON C = I-85 SB RAMPS TO S. on US321 5	N. on US321 6	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	53	261	99	8	4	74	499	17	38	1	56
6:15A	35	278	178	13	12	97	613	30	35	0	65
6:30A	40	280	192	14	13	132	671	21	42	1	64
6:45A	75	324	156	19	4	161	739	26	46	2	74
7:00A	72	390	128	25	16	126	757	25	67	1	93
7:15A	46	365	138	25	23	169	766	33	57	1	91
7:30A	63	362	177	12	21	204	839	32	52	1	85
7:45A	56	372	183	6	37	202	856	40	61	1	102
8:00A	51	349	125	15	32	183	755	37	46	0	83
8:15A	52	281	129	22	36	144	664	39	50	0	89
8:30A	62	311	134	25	26	172	730	38	62	1	101
8:45A	57	277	139	32	31	156	692	43	58	1	102
9:00A	48	242	113	15	23	144	585	31	54	0	85
9:15A	40	248	135	19	26	136	604	32	78	0	110
9:30A	58	245	146	13	16	173	651	49	66	0	115
9:45A	44	261	133	33	27	133	631	31	65	2	98
10:00A											
10:15A											
10:30A	62	209	119	16	22	138	566	27	65	0	92
10:45A	52	239	135	18	38	164	646	38	62	0	100
11:00A	74	280	131	15	32	168	700	42	65	1	108
11:15A	42	236	137	10	32	157	614	39	62	1	102
11:30A	64	232	138	23	21	159	637	32	68	1	101
11:45A	70	302	130	22	27	151	702	35	52	0	87
12:00P	59	249	150	21	24	132	635	34	59	1	94
12:15P	67	281	133	12	34	166	693	32	79	0	111
12:30P	61	286	137	20	25	194	723	31	66	1	98
12:45P	68	303	153	10	24	149	707	35	66	0	101
1:00P	68	320	131	20	33	158	730	29	60	1	90
1:15P	58	295	135	17	25	170	700	33	71	0	104
1:30P	69	263	156	20	29	154	691	34	53	1	88
1:45P	57	262	168	10	25	165	687	28	81	1	110

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321	US 321
SBRAMPS	I-85 SB RAMPS

TIME PERIOD	FROM NORTH ON A = US 321 TO W. on SBRAMPS 1	S. on US321 2	FROM SOUTH ON B = US 321 TO N. on US321 3	W. on SBRAMPS 4	FROM WEST ON C = I-85 SB RAMPS TO S. on US321 5	N. on US321 6	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	109	359	187	22	32	279	988	46	90	0	136
2:15P	50	312	201	22	36	259	880	41	67	0	108
2:30P	82	412	216	21	27	260	1018	35	67	0	102
2:45P	119	408	194	18	42	270	1051	37	94	0	131
3:00P	138	422	159	18	32	225	994	46	73	0	119
3:15P	91	452	152	13	41	298	1047	52	59	1	112
3:30P	129	485	172	25	45	356	1212	27	55	0	82
3:45P	86	361	173	16	45	294	975	51	52	0	103
4:00P	129	402	192	27	28	369	1147	44	59	0	103
4:15P	85	422	174	6	34	288	1009	44	55	0	99
4:30P	85	271	187	30	21	208	802	31	36	0	67
4:45P	74	385	169	16	20	322	986	30	51	0	81
5:00P	106	438	216	43	44	342	1189	24	47	0	71
5:15P	70	296	217	28	24	386	1021	19	40	0	59
5:30P	79	401	191	16	40	326	1053	26	44	1	71
5:45P	66	327	162	18	20	329	922	17	37	0	54
6:00P	67	316	172	10	33	300	898	21	54	0	75
6:15P	78	296	90	7	32	283	786	13	29	0	42
6:30P											
6:45P											
7:00P	54	186	106	13	30	163	552	16	25	0	41
7:15P	41	170	80	18	30	169	508	10	32	3	45
7:30P	32	153	105	10	25	123	448	6	24	0	30
7:45P	28	174	96	10	19	114	441	15	30	0	45
8:00P											
8:15P											
8:30P											
8:45P											
9:00P											
9:15P											
9:30P											
9:45P											
13.00-HOUR TOTALS	3521	16051	7869	937	1438	10594	40410	1644	2906	25	4575
24-HOUR PROJECTION	4580	20544	10072	1219	1871	13781	52067	1743	3778	33	5553
AM PEAK HOUR BEGINS AT 7:00A TOTALS	237	1489	626	68	97	701	3218	130	237	4	371
PM PEAK HOUR BEGINS AT 3:15P TOTALS	435	1700	689	81	159	1317	4381	174	225	1	400

SHORT LABEL	ROAD, STREET or DRIVEWAY
US321 =	US 321
SBRAMPS =	I-85 SB RAMPS

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

INTER-SECTION TOTALS AND FACTORS:	VOLUME SURVEYED	AM PEAK VOLUME AT 7:00A	PEAK HOUR PERCENTAGES	
	40410	3218	AM:	6%
			PM:	8%
	PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 3:15P	PEAK HOUR FACTORS	
	52067	4381	AM:	0.94
			PM:	0.90

TRUCKS TOTALS ON NORTH APPROACH OF US 321

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	1644	2906	25	4575
PROJECTED	1743	3778	33	5553
PERCENTAGE	3.6%	7.7%	0.1%	11.3%

TOTALS AND FACTORS BY APPROACH:	A = NORTH APPR. OF US 321		B = SOUTH APPR. OF US 321		C = WEST APPR. OF I-85 SB RAMPS	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	19572	25125	8806	11291	12032	15651
EXT. VOL.	18463	23853	17489	22415	4458	5799
TOTAL VOL.	38035	48977	26295	33706	16490	21450

AM PEAK	HOUR BEGINS: 7:00A		HOUR BEGINS: 7:00A		HOUR BEGINS: 7:15A	
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	1726	57%	694	30%	871	76%
EXT. VOL.	1327	43%	1586	70%	274	24%
TOTAL VOL.	3053	---	2280	---	1145	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	6%	0.94	7%	0.95	5%	0.95

PM PEAK	HOUR BEGINS: 3:15P		HOUR BEGINS: 2:45P		HOUR BEGINS: 3:15P	
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	2135	52%	751	28%	1476	74%
EXT. VOL.	2006	48%	1927	72%	516	26%
TOTAL VOL.	4141	---	2678	---	1992	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	8%	0.91	8%	0.92	9%	0.90

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                    NORTH APPROACH
                        US321
                      +-------+
                      |48977 |
                      +-------+
                    4580 20544
                    Right Thru

                    TOTAL ENTERING VOLUME:

                      ++=======++
                      ||52067 ||
                      ++=======++

 WEST       +-------+13781  Left
     SBRAMP |21450 |
APPROACH    +-------+ 1871  Right

                    Left  Thru
                    1219 10072
                      +-------+
                      |33706 |
                      +-------+
                        US321
                    SOUTH APPROACH
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                                    TURNING MOVEMENT SUMMARY
                                    Section 4:  AM Peak Hour Diagram
                                           7:00A

                                        NORTH APPROACH
                                            US321
                                          +------+
                                          | 3053 |
                                          +------+
                                        237  1489
                                       Right Thru



                                       TOTAL ENTERING VOLUME:

  WEST       +------+  701  Left
      SBRAMP| 1103 |
APPROACH     +------+   97  Right              ++======++
                                                || 3218 ||
                                                ++======++



                                       Left  Thru
                                         68   626
                                          +------+
                                          | 2280 |
                                          +------+
                                            US321
                                        SOUTH APPROACH
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                                    TURNING MOVEMENT SUMMARY
                                    Section 5:  PM Peak Hour Diagram
                                          3:15P

                                      NORTH APPROACH
                                          US321
                                         +-------+
                                         | 4141 |
                                         +-------+
                                      435  1700
                                     Right Thru


                                     TOTAL ENTERING VOLUME:
  WEST       +-------+ 1317  Left
      SBRAMP| 1992 |                    ++======++
APPROACH     +-------+  159  Right       || 4381 ||
                                        ++======++


                                     Left  Thru
                                       81   689
                                         +-------+
                                         | 2629 |
                                         +-------+
                                          US321
                                      SOUTH APPROACH
```