MH

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

NCDOT

COUNTY: CATAWBA NEAR CITY: NEWTON

INTERSECTION: NC 16 & SR 1003 BUFFALO SHOALS RD

STATION #: 08TM0227 COUNTED BY: SENTERS

DATE: September 8 & 10, 2008 DAY OF WEEK: Wednesday, Monday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
SR 1003 BUFFALO SHOALS RD
APPROACH: WEST

TIME PERIOD	FROM NORTH ON A = NC 16 TO W. on SR1003 1	S. on NC16 2	E. on SR1003 3	FROM EAST ON B = SR 1003 BUFFALO SHOALS RD N. on NC16 4	W. on SR1003 5	S. on NC16 6	FROM SOUTH ON C = NC 16 TO E. on SR1003 7	N. on NC16 8	W. on SR1003 9	FROM WEST ON D = SR 1003 BUFFALO SHOALS RD S. on NC16 10	E. on SR1003 11	N. on NC16 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	3	42	1	2	5	5	7	35	6	13	17	5	141	2	0	0	2
6:15A	4	31	3	3	12	11	6	33	4	12	24	10	153	2	0	0	2
6:30A	1	40	4	3	18	5	8	32	6	14	18	9	158	1	1	0	2
6:45A	4	40	1	1	12	10	9	39	5	12	14	5	152	1	2	0	3
7:00A	5	31	3	4	14	8	10	37	4	4	21	4	145	2	1	0	3
7:15A	3	18	7	9	20	4	15	58	15	12	27	14	202	2	1	0	3
7:30A	4	56	9	16	23	7	30	63	9	10	34	14	275	2	0	0	2
7:45A	5	53	7	9	27	18	28	76	8	13	42	11	297	2	1	0	3
8:00A	2	37	7	9	24	31	7	42	9	15	18	9	210	5	1	0	6
8:15A	5	43	13	9	6	4	4	58	4	8	15	6	175	2	0	0	2
8:30A	5	35	3	4	12	7	3	37	5	12	3	13	139	8	0	0	8
8:45A	2	52	2	5	5	5	2	52	7	11	11	6	160	1	0	0	1
9:00A	4	38	4	7	10	6	5	43	3	5	10	10	145	3	0	0	3
9:15A	3	37	3	0	12	4	5	51	5	4	14	6	144	1	0	0	1
9:30A	4	38	4	7	14	9	7	45	8	11	3	6	156	4	0	0	4
9:45A	4	45	5	6	5	4	4	34	4	7	11	3	132	2	0	0	2
10:00A																	
10:15A																	
10:30A	3	42	9	3	5	4	4	44	5	3	12	7	141	1	0	0	1
10:45A	7	41	3	5	10	7	7	35	7	2	8	5	137	2	2	0	4
11:00A	7	47	4	5	10	5	6	39	2	6	9	7	147	2	0	0	2
11:15A	5	48	2	7	7	4	4	33	3	5	10	1	129	5	1	0	6
11:30A	9	46	7	5	12	3	4	37	9	8	6	2	148	3	0	0	3
11:45A	3	28	1	2	9	6	9	30	6	7	11	4	116	2	0	0	2
12:00P	4	33	5	3	12	7	4	45	8	7	17	6	151	2	1	0	3
12:15P	7	48	5	4	8	8	5	46	4	7	7	7	156	1	1	0	2
12:30P	4	43	9	5	14	8	3	46	8	4	6	3	153	0	0	0	0
12:45P	3	42	8	2	2	2	5	32	8	5	6	3	118	0	0	0	0
1:00P	8	31	1	1	4	3	5	27	2	5	2	1	90	0	0	0	0
1:15P	3	30	6	3	10	2	1	27	4	3	6	1	96	3	0	0	3
1:30P	8	43	6	5	9	9	5	27	6	6	11	4	139	7	0	0	7
1:45P	4	39	7	6	12	13	9	32	5	6	10	2	145	1	0	0	1

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC16 =	NC 16
SR1003 =	SR 1003 BUFFALO SHOALS RD

TIME PERIOD	FROM NORTH ON A = NC 16 TO W. on SR1003 1	S. on NC16 2	E. on SR1003 3	FROM EAST ON B = SR 1003 BUFFALO SHOALS RD N. on NC16 4	W. on SR1003 5	S. on NC16 6	FROM SOUTH ON C = NC 16 TO E. on SR1003 7	N. on NC16 8	W. on SR1003 9	FROM WEST ON D = SR 1003 BUFFALO SHOALS RD S. on NC16 10	E. on SR1003 11	N. on NC16 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	8	26	6	4	5	5	4	38	3	6	9	5	119	2	1	0	3
2:15P	8	41	9	6	13	10	12	40	14	6	12	6	177	3	0	0	3
2:30P	6	40	9	2	16	8	12	38	12	6	15	2	166	0	0	0	0
2:45P	9	46	8	9	17	10	7	41	6	8	11	8	180	5	1	0	6
3:00P	6	35	10	7	30	31	8	31	8	6	22	5	199	0	1	0	1
3:15P	4	55	8	8	26	13	11	46	8	10	18	6	213	3	0	0	3
3:30P	11	46	8	3	27	13	8	49	9	18	22	6	220	3	0	0	3
3:45P	15	49	7	8	21	9	21	46	10	11	6	1	204	2	2	0	4
4:00P	7	52	6	5	24	13	15	46	16	13	19	7	223	0	1	0	1
4:15P	10	49	11	7	17	11	11	55	13	19	23	5	231	2	1	0	3
4:30P	12	52	5	3	20	10	17	54	18	12	17	7	227	2	0	0	2
4:45P	18	73	9	6	21	9	16	56	17	8	26	9	268	3	2	0	5
5:00P	14	65	12	8	33	6	15	67	20	13	25	10	288	0	0	0	0
5:15P	10	79	12	7	30	16	15	61	12	17	26	10	295	1	0	0	1
5:30P	21	83	10	8	36	12	17	63	15	15	36	10	326	3	0	0	3
5:45P	17	56	10	8	20	22	19	38	10	9	24	3	236	0	1	0	1
6:00P	14	54	12	7	28	18	10	46	14	13	23	4	243	2	0	0	2
6:15P	21	50	11	8	20	9	13	46	11	17	24	7	237	1	0	0	1
6:30P																	
6:45P																	
7:00P	11	33	3	3	20	7	9	34	13	5	17	5	160	1	0	0	1
7:15P	8	17	6	1	20	5	2	28	7	6	14	5	119	1	0	0	1
7:30P	13	17	1	3	10	7	5	8	9	4	15	3	95	0	1	0	1
7:45P	5	29	5	1	10	4	3	19	8	7	17	3	111	0	0	0	0
8:00P	8	35	4	4	14	9	8	18	6	1	14	4	125	1	1	0	2
8:15P	9	21	2	3	12	5	6	19	3	8	13	8	109	1	1	0	2
8:30P	9	20	5	1	13	6	4	11	2	5	12	6	94	0	1	0	1
8:45P	7	24	7	3	9	1	4	19	4	6	7	5	96	1	0	0	1
9:00P	3	19	3	2	5	3	4	17	3	4	9	5	77	0	0	0	0
9:15P	5	14	7	2	6	2	1	17	3	6	4	1	68	0	0	0	0
9:30P	4	9	3	4	4	0	3	19	5	2	6	3	62	1	0	0	1
9:45P	3	4	2	1	1	3	1	13	1	6	3	1	39	0	0	0	0
15.00-HOUR TOTALS	429	2390	360	292	871	496	502	2318	459	504	892	344	9857	107	26	0	133
24-HOUR PROJECTION	502	2784	421	342	1023	580	587	2700	537	590	1048	402	11516	112	33	0	145
AM PEAK HOUR BEGINS AT 7:15A TOTALS	14	164	30	43	94	60	80	239	41	50	121	48	984	11	3	0	14
PM PEAK HOUR BEGINS AT 4:45P TOTALS	63	300	43	29	120	43	63	247	64	53	113	39	1177	7	2	0	9

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC16 =	NC 16
SR1003 =	SR 1003 BUFFALO SHOALS RD

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
	9857	984	AM: 9%
			PM: 10%
	PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 4:45P	PEAK HOUR FACTORS
	11516	1177	AM: 0.83
			PM: 0.90

TRUCKS TOTALS ON WEST APPROACH OF SR 1003 BUFFALO SHOALS RD

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	107	26	0	133
PROJECTED	112	33	0	145
PERCENTAGE	2.7%	0.8%	0.0%	3.5%

TOTALS AND FACTORS BY APPROACH:	A = NORTH APPR. OF NC 16		B = EAST APPR. OF SR 1003 BUFFALO SHOALS		C = SOUTH APPR. OF NC 16		D = WEST APPR. OF SR 1003 BUFFALO SHOALS	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	3179	3707	1659	1945	3279	3824	1740	2040
EXT. VOL.	2954	3444	1754	2056	3390	3953	1759	2062
TOTAL VOL.	6133	7150	3413	4002	6669	7777	3499	4102
AM PEAK	HOUR BEGINS:	7:30A	HOUR BEGINS:	7:15A	HOUR BEGINS:	7:15A	HOUR BEGINS:	7:15A
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	241	43%	197	46%	360	57%	219	60%
EXT. VOL.	322	57%	231	54%	274	43%	149	40%
TOTAL VOL.	563	---	428	---	634	---	368	---
	% 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%	0.87	11%	0.82	8%	0.81	9%	0.87
PM PEAK	HOUR BEGINS:	4:45P	HOUR BEGINS:	5:00P	HOUR BEGINS:	4:45P	HOUR BEGINS:	4:45P
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	406	56%	206	48%	374	49%	205	45%
EXT. VOL.	315	44%	221	52%	396	51%	247	55%
TOTAL VOL.	721	---	427	---	770	---	452	---
	% 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	10%	0.92	11%	0.90	10%	0.94	11%	0.85

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

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                                    NORTH APPROACH
                                       NC16
                                      +------+
                                      | 7150 |
                                      +------+
                                    502  2784   421
                                   Right Thru  Left



                     402  Left                TOTAL ENTERING VOLUME:                Right  342
  WEST       +------+                                                                      +------+        EAST
      SR1003| 4102 | 1048  Thru                  ++======++                      Thru  1023 | 4002 |SR1003
APPROACH     +------+                            ||11516 ||                                +------+      APPROACH
                     590  Right                  ++======++                      Left   580


                                   Left  Thru  Right
                                    537  2700   587
                                      +------+
                                      | 7777 |
                                      +------+
                                       NC16
                                    SOUTH APPROACH
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                    TURNING MOVEMENT SUMMARY
                    Section 4:  AM Peak Hour Diagram
                          7:15A

                       NORTH APPROACH
                          NC16
                         +------+
                         |  538 |
                         +------+
                       14   164    30
                     Right Thru  Left

                                                                                                  48  Left
  WEST        +------+                    TOTAL ENTERING VOLUME:                  Right   43
       SR1003|  368 |  121  Thru                                                                  +------+          EAST
APPROACH      +------+                          ++======++                        Thru    94 |  428 |SR1003
                                                 ||  984 ||                                      +------+        APPROACH
                                                 ++======++                        Left    60
                                                                                                  50  Right

                     Left  Thru  Right
                       41   239    80
                         +------+
                         |  634 |
                         +------+
                          NC16
                      SOUTH APPROACH
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                    TURNING MOVEMENT SUMMARY
                    Section 5:  PM Peak Hour Diagram
                           4:45P

                       NORTH APPROACH
                          NC16
                         +------+
                         |  721 |
                         +------+
                       63   300    43
                     Right Thru  Left

                                                                                                  39  Left
  WEST        +------+                    TOTAL ENTERING VOLUME:                  Right   29
                                                                                                  +------+          EAST
      SR1003|  452 |  113  Thru                  ++======++                        Thru   120 |  411 |SR1003
APPROACH      +------+                            || 1177 ||                                    +------+        APPROACH
                                                  ++======++                        Left    43
                                                                                                  53  Right

                                                 Left  Thru  Right
                                                   64   247    63
                                                     +------+
                                                     |  770 |
                                                     +------+
                                                       NC16
                                                  SOUTH APPROACH
```