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

NCDOT

COUNTY: CATAWBA NEAR CITY: NEWTON

INTERSECTION: NC 16 & SR 1810 BALLS CK RD & SR 1810 PROVIDENCE MILL RD

STATION #: 08TM0228 COUNTED BY: SENTERS

DATE: September 9 & 11, 2008 DAY OF WEEK: Thursday, Tuesday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
SR 1810 PROVIDENCE MILL RD
APPROACH: WEST

TIME PERIOD	FROM NORTH ON A = NC 16 TO W. on SR1810 1	S. on NC16 2	E. on SR1810 3	FROM EAST ON B = SR 1810 BALLS CK RD TO N. on NC16 4	W. on SR1810 5	S. on NC16 6	FROM SOUTH ON C = NC 16 TO E. on SR1810 7	N. on NC16 8	W. on SR1810 9	FROM WEST ON D = SR 1810 PROVIDENCE MILL RD S. on NC16 10	E. on SR1810 11	N. on NC16 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	9	36	6	9	5	1	0	41	0	3	7	24	141	0	0	0	0
6:15A	9	44	12	14	11	2	0	60	1	1	8	14	176	1	0	0	1
6:30A	7	47	9	10	6	0	0	64	0	1	11	11	166	3	1	0	4
6:45A	13	39	11	13	5	1	0	61	2	5	4	14	168	2	0	0	2
7:00A	3	24	10	7	4	3	5	34	2	3	4	15	114	2	0	0	2
7:15A	9	31	12	17	14	2	5	93	2	3	15	16	219	2	0	0	2
7:30A	10	52	30	29	16	0	1	111	2	2	12	26	291	2	2	0	4
7:45A	9	48	28	46	14	6	3	81	1	1	12	23	272	2	0	0	2
8:00A	5	43	13	32	16	0	5	93	2	2	10	26	247	2	0	0	2
8:15A	10	41	8	33	9	1	1	58	1	3	11	17	193	1	0	0	1
8:30A	3	50	5	11	5	1	1	94	2	2	4	8	186	1	1	0	2
8:45A	3	54	11	8	4	1	1	47	1	8	2	7	147	2	1	0	3
9:00A	11	39	6	15	8	0	1	64	1	5	3	15	168	3	3	0	6
9:15A	6	37	3	12	6	1	0	59	0	2	4	16	146	0	1	0	1
9:30A	6	40	9	11	3	4	2	45	2	1	5	10	138	2	0	0	2
9:45A	12	43	6	5	6	0	1	51	3	4	3	11	145	1	2	0	3
10:00A																	
10:15A																	
10:30A	7	41	7	11	5	0	1	62	1	3	4	4	146	1	2	0	3
10:45A	3	40	4	5	7	4	3	54	4	0	2	11	137	2	0	0	2
11:00A	5	52	13	8	4	0	1	50	0	1	2	7	143	0	0	0	0
11:15A	4	44	10	9	3	3	1	36	2	2	1	6	121	1	0	0	1
11:30A	6	24	9	4	2	1	1	40	2	1	8	5	103	1	0	0	1
11:45A	11	44	7	7	3	0	0	39	3	1	7	5	127	2	1	0	3
12:00P	13	57	6	4	4	3	0	49	4	6	2	11	159	1	0	0	1
12:15P	5	50	6	7	5	3	4	52	4	1	2	4	143	3	0	0	3
12:30P	12	73	17	7	4	0	5	46	5	2	4	13	188	1	1	0	2
12:45P	11	46	9	11	4	2	1	43	2	1	6	13	149	2	0	0	2
1:00P	15	65	6	11	6	4	1	58	2	4	8	17	197	2	3	0	5
1:15P	9	62	10	6	10	4	1	46	2	3	5	5	163	3	1	0	4
1:30P	16	41	8	12	7	1	3	66	4	4	9	10	181	3	1	0	4
1:45P	13	51	5	8	7	1	3	59	3	2	8	8	168	2	1	0	3

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC16	NC 16
SR1810	SR 1810 BALLS CK RD
SR1810	SR 1810 PROVIDENCE MILL RD

TIME PERIOD	FROM NORTH ON A = NC 16 TO W. on SR1810 1	S. on NC16 2	E. on SR1810 3	FROM EAST ON B = SR 1810 BALLS CK RD TO N. on NC16 4	W. on SR1810 5	S. on NC16 6	FROM SOUTH ON C = NC 16 TO E. on SR1810 7	N. on NC16 8	W. on SR1810 9	FROM WEST ON D = SR 1810 PROVIDENCE MILL RD S. on NC16 10	E. on SR1810 11	N. on NC16 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	12	60	15	16	4	4	1	45	1	2	8	7	175	1	1	0	2
2:15P	20	36	18	11	2	1	4	39	1	2	16	12	162	2	1	0	3
2:30P	10	42	24	24	15	1	2	47	5	3	6	13	192	2	0	0	2
2:45P	16	57	10	13	5	8	1	61	2	6	20	8	207	1	1	0	2
3:00P	20	75	19	25	11	4	1	47	5	0	11	15	233	1	1	0	2
3:15P	16	69	26	21	16	4	1	56	1	1	13	19	243	2	0	0	2
3:30P	16	83	19	21	16	4	1	74	5	9	14	17	279	4	0	0	4
3:45P	13	69	20	9	6	2	2	64	3	4	16	15	223	2	1	0	3
4:00P	20	78	21	12	11	3	1	60	6	6	15	16	249	3	0	0	3
4:15P	27	92	11	12	9	0	2	69	3	1	10	23	259	3	1	0	4
4:30P	25	82	17	13	10	4	6	69	3	3	19	12	263	3	0	0	3
4:45P	29	111	22	9	10	4	3	52	7	4	13	13	277	0	0	0	0
5:00P	23	93	23	15	12	1	3	70	4	4	15	13	276	1	0	0	1
5:15P	34	123	32	18	10	3	5	74	3	3	13	10	328	0	2	0	2
5:30P	23	98	29	18	10	3	4	80	5	5	16	14	305	0	2	0	2
5:45P	22	83	32	17	8	5	1	66	3	2	10	12	261	0	0	0	0
6:00P	21	57	26	15	13	3	3	75	5	1	12	16	247	0	0	0	0
6:15P	28	45	13	12	9	1	0	53	4	2	8	10	185	0	0	0	0
6:30P																	
6:45P																	
7:00P	7	42	16	17	4	0	1	32	3	0	5	7	134	2	0	0	2
7:15P	11	31	11	10	6	1	0	27	1	3	8	6	115	1	0	0	1
7:30P	15	35	7	9	9	5	0	34	2	4	4	6	130	0	0	0	0
7:45P	12	43	6	5	6	1	5	29	1	4	7	11	130	1	0	0	1
8:00P																	
8:15P																	
8:30P																	
8:45P																	
9:00P																	
9:15P																	
9:30P																	
9:45P																	
13.00-HOUR TOTALS	675	2862	713	704	405	111	98	2979	133	146	442	647	9915	79	31	0	110
24-HOUR PROJECTION	882	3661	931	920	540	145	128	3811	174	191	590	845	12817	83	39	0	122
AM PEAK HOUR BEGINS AT 7:15A TOTALS	33	174	83	124	60	8	14	378	7	8	49	91	1029	8	2	0	10
PM PEAK HOUR BEGINS AT 4:45P TOTALS	109	425	106	60	42	11	15	276	19	16	57	50	1186	1	4	0	5

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC16	NC 16
SR1810	SR 1810 BALLS CK RD
SR1810	SR 1810 PROVIDENCE MILL 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
9915	1029	AM: 8%
		PM: 9%
PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 4:45P	PEAK HOUR FACTORS
12817	1186	AM: 0.88
		PM: 0.90

TRUCKS TOTALS ON WEST APPROACH OF SR 1810 PROVIDENCE MILL RD

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	79	31	0	110
PROJECTED	83	39	0	122
PERCENTAGE	2.6%	1.2%	0.0%	3.8%

TOTALS AND FACTORS BY APPROACH:

ALL HOURS IN SURVEY	A = NORTH APPR. OF NC 16		B = EAST APPR. OF SR 1810 BALLS CK RD		C = SOUTH APPR. OF NC 16		D = WEST APPR. OF SR 1810 PROVIDENCE MILL	
	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	4250	5474	1220	1605	3210	4113	1235	1625
EXT. VOL.	4330	5576	1253	1649	3119	3997	1213	1596
TOTAL VOL.	8580	11050	2473	3254	6329	8109	2448	3221

AM PEAK	HOUR BEGINS: 7:15A		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.	290	33%	192	57%	399	68%	148	60%
EXT. VOL.	593	67%	146	43%	190	32%	100	40%
TOTAL VOL.	883	---	338	---	589	---	248	---
	% 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%	0.86	10%	0.78	7%	0.88	8%	0.91

PM PEAK	HOUR BEGINS: 4:45P		HOUR BEGINS: 5:15P		HOUR BEGINS: 4:45P		HOUR BEGINS: 4:00P	
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	640	62%	123	40%	310	41%	135	46%
EXT. VOL.	386	38%	183	60%	452	59%	160	54%
TOTAL VOL.	1026	---	306	---	762	---	295	---
	% 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	9%	0.88	9%	0.94	9%	0.90	9%	0.97

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

```
                    NORTH APPROACH
                        NC16
                      +-------+
                      |11050 |
                      +-------+
                  882  3661   931
                 Right Thru  Left

                                845  Left
   WEST            +-------+
        SR1810| 3221 |  590  Thru
 APPROACH          +-------+
                                191  Right

                                                  Right  920
                                                          +-------+          EAST
                                                  Thru   540 | 3254 |SR1810
                                                          +-------+       APPROACH
                                                  Left   145

                  Left  Thru  Right
                   174  3811   128
                      +-------+
                      | 8109 |
                      +-------+
                        NC16
                   SOUTH APPROACH
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TOTAL ENTERING VOLUME:

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++=======++
||12817 ||
++=======++
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                                   TURNING MOVEMENT SUMMARY
                                   Section 4:  AM Peak Hour Diagram
                                          7:15A

                                      NORTH APPROACH
                                         NC16
                                        +------+
                                        |  883 |
                                        +------+
                                      33   174    83
                                    Right Thru  Left

                                 91  Left                TOTAL ENTERING VOLUME:                Right  124
  WEST          +------+                                                                                +------+          EAST
      SR1810|  248 |                49  Thru                  ++======++                      Thru    60 |  338 |SR1810
APPROACH        +------+                                     || 1029 ||                                +------+        APPROACH
                                  8  Right                  ++======++                      Left     8

                                                  Left  Thru  Right
                                                    7   378    14
                                                     +------+
                                                     |  589 |
                                                     +------+
                                                       NC16
                                                  SOUTH APPROACH
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                                    TURNING MOVEMENT SUMMARY
                                    Section 5:  PM Peak Hour Diagram
                                           4:45P

                                       NORTH APPROACH
                                          NC16
                                         +------+
                                         | 1026 |
                                         +------+
                                      109   425   106
                                     Right Thru  Left

                                 50  Left                TOTAL ENTERING VOLUME:                Right   60
  WEST        +------+                                                                                  +------+        EAST
      SR1810|  293 |                57  Thru                   ++======++                      Thru    42 |  291 |SR1810
APPROACH      +------+                                        || 1186 ||                                  +------+      APPROACH
                                 16  Right                  ++======++                      Left    11

                                                                Left  Thru  Right
                                                                 19   276    15
                                                                   +------+
                                                                   |  762 |
                                                                   +------+
                                                                     NC16
                                                                 SOUTH APPROACH
```