MH
DP

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

COUNTY: WATAUGA NEAR CITY: BOONE

INTERSECTION: NC 105 & SR 1107 105 BYP

STATION #: 08TM0224 COUNTED BY: NELSON & SENTERS

DATE: August 25 & 28, 2008 DAY OF WEEK: Thursday, Monday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
NC 105
APPROACH: EAST

TIME PERIOD	FROM NORTH ON A = SR 1107 105 BYP TO W. on NC105 1	E. on NC105 2	FROM EAST ON B = NC 105 TO N. on NC105BYP 3	W. on NC105 4	FROM WEST ON C = NC 105 TO E. on NC105 5	N. on NC105BYP 6	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	1	38	5	20	27	4	95	5	2	0	7
6:15A	11	48	11	27	38	2	137	8	4	0	12
6:30A	15	90	18	48	84	6	261	7	6	0	13
6:45A	28	80	22	57	90	7	284	5	4	0	9
7:00A	23	67	27	80	107	4	308	16	1	0	17
7:15A	19	110	40	90	119	6	384	14	6	0	20
7:30A	25	161	51	107	183	25	552	20	6	0	26
7:45A	26	169	62	101	229	28	615	17	7	0	24
8:00A	29	124	76	106	200	18	553	22	8	0	30
8:15A	26	156	57	122	160	21	542	23	7	0	30
8:30A	21	124	66	99	184	15	509	22	6	0	28
8:45A	29	109	75	88	171	28	500	29	4	0	33
9:00A	24	117	89	104	160	16	510	27	7	0	34
9:15A	28	107	60	91	149	16	451	27	5	0	32
9:30A	22	125	71	112	135	20	485	19	7	0	26
9:45A	17	104	70	113	147	7	458	19	9	0	28
10:00A											
10:15A											
10:30A	14	111	95	107	168	13	508	18	7	0	25
10:45A	22	96	87	116	149	24	494	19	6	0	25
11:00A	26	109	79	110	143	12	479	22	6	0	28
11:15A	12	94	84	112	162	12	476	16	7	0	23
11:30A	16	95	83	116	138	15	463	18	6	0	24
11:45A	14	89	111	126	159	19	518	20	8	0	28
12:00P	21	148	83	103	141	18	514	19	9	0	28
12:15P	21	104	89	104	176	22	516	23	9	0	32
12:30P	15	97	119	143	147	21	542	22	8	0	30
12:45P	26	91	140	116	137	19	529	18	7	0	25
1:00P	13	101	105	126	151	18	514	27	9	0	36
1:15P	12	73	99	145	139	14	482	14	7	0	21
1:30P	13	104	91	148	145	15	516	16	8	0	24
1:45P	30	93	111	145	113	26	518	20	12	0	32

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC105BYP	= SR 1107 105 BYP
NC105	= NC 105

TIME PERIOD	FROM NORTH ON A = SR 1107 105 BYP TO W. on NC105 1	E. on NC105 2	FROM EAST ON B = NC 105 TO N. on NC105BYP 3	W. on NC105 4	FROM WEST ON C = NC 105 TO E. on NC105 5	N. on NC105BYP 6	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	7	136	141	157	133	21	595	29	4	0	33
2:15P	3	110	103	126	140	21	503	36	8	0	44
2:30P	16	72	119	136	154	13	510	24	5	0	29
2:45P	14	121	102	118	133	9	497	23	6	0	29
3:00P	14	110	91	145	146	18	524	29	4	0	33
3:15P	13	146	126	122	149	23	579	26	3	0	29
3:30P	22	112	148	163	163	36	644	22	10	0	32
3:45P	17	126	173	155	142	25	638	24	4	0	28
4:00P	15	85	163	167	163	30	623	19	5	0	24
4:15P	13	115	200	176	148	27	679	15	6	0	21
4:30P	21	92	180	163	153	21	630	16	1	0	17
4:45P	23	155	194	170	142	27	711	12	1	0	13
5:00P	22	125	194	147	147	26	661	8	6	0	14
5:15P	25	112	195	206	148	24	710	14	1	0	15
5:30P	17	85	197	181	110	17	607	9	1	0	10
5:45P	17	98	180	162	135	21	613	8	3	0	11
6:00P	8	89	133	132	108	14	484	7	2	0	9
6:15P	6	83	97	128	109	15	438	7	4	0	11
6:30P											
6:45P											
7:00P	11	57	85	79	60	9	301	1	0	0	1
7:15P	19	105	76	91	37	5	333	3	2	0	5
7:30P	11	74	75	96	56	7	319	7	4	0	11
7:45P	8	88	70	88	56	4	314	5	5	0	10
8:00P	7	68	65	86	47	14	287	2	1	0	3
8:15P	4	58	69	66	30	6	233	2	1	0	3
8:30P	4	36	54	82	31	5	212	8	1	0	9
8:45P	7	69	61	57	45	5	244	2	2	0	4
9:00P	5	50	61	75	47	4	242	0	3	0	3
9:15P	8	41	56	65	27	3	200	1	1	0	2
9:30P	5	28	39	53	26	4	155	0	1	0	1
9:45P	2	35	25	30	27	3	122	0	0	0	0
15.00-HOUR TOTALS	963	5815	5648	6704	7263	928	27321	911	293	0	1204
24-HOUR PROJECTION	1127	6803	6607	7808	8459	1086	31889	957	366	0	1323
AM PEAK HOUR BEGINS AT 7:30A TOTALS	106	610	246	436	772	92	2262	82	28	0	110
PM PEAK HOUR BEGINS AT 4:30P TOTALS	91	484	763	686	590	98	2712	50	9	0	59

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC105BYP	SR 1107 105 BYP
NC105	NC 105

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

INTER-SECTION TOTALS AND FACTORS:

VOLUME SURVEYED	AM PEAK VOLUME AT 7:30A	PEAK HOUR PERCENTAGES	
27321	2262	AM:	7%
		PM:	9%
PROJECTED 24-HOUR TOTAL	**PM PEAK VOLUME AT 4:30P**	**PEAK HOUR FACTORS**	
31889	2712	AM:	0.92
		PM:	0.95

TRUCKS TOTALS ON EAST APPROACH OF NC 105

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	911	293	0	1204
PROJECTED	957	366	0	1323
PERCENTAGE	3.2%	1.2%	0.0%	4.5%

TOTALS AND FACTORS BY APPROACH:

ALL HOURS IN SURVEY	A = NORTH APPR. OF SR 1107 105 BYP		B = EAST APPR. OF NC 105		C = WEST APPR. OF NC 105	
	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	6778	7929	12352	14415	8191	9545
EXT. VOL.	6576	7693	13078	15262	7667	8935
TOTAL VOL.	13354	15622	25430	29677	15858	18480

AM PEAK	HOUR BEGINS: 7:30A		HOUR BEGINS: 7:30A		HOUR BEGINS: 7:30A	
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	716	68%	682	33%	864	61%
EXT. VOL.	338	32%	1382	67%	542	39%
TOTAL VOL.	1054	---	2064	---	1406	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	7%	0.92	7%	0.92	8%	0.92

PM PEAK	HOUR BEGINS: 4:45P		HOUR BEGINS: 4:30P		HOUR BEGINS: 4:30P	
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	564	39%	1449	57%	688	47%
EXT. VOL.	874	61%	1074	43%	777	53%
TOTAL VOL.	1438	---	2523	---	1465	---
	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR	% OF 24-HR.	PK. HR. FACTOR
FACTORS	9%	0.90	9%	0.95	8%	0.91

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

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                    NORTH APPROACH
                        NC105BYP
                       +------+
                       |15622 |
                       +------+
                   1127  6803
                   Right Left


                                TOTAL ENTERING VOLUME:
  WEST       +------+ 1086  Left                                  Right 6607 +------+        EAST
      NC105  |18480 |                                                        |29677 |NC105
APPROACH     +------+ 8459  Thru                                  Thru  7808 +------+      APPROACH
                                  ++======++
                                  ||31889 ||
                                  ++======++
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                                    TURNING MOVEMENT SUMMARY
                                    Section 4:  AM Peak Hour Diagram
                                            7:30A

                                        NORTH APPROACH
                                            NC105BYP
                                           +------+
                                           | 1054 |
                                           +------+
                                        106   610
                                       Right Left


                                       TOTAL ENTERING VOLUME:
  WEST        +------+   92  Left                                  Right  246 +------+        EAST
      NC105   | 1406 |                                                        | 2064 |NC105
APPROACH      +------+  772  Thru                                  Thru   436 +------+      APPROACH
                                           ++======++
                                           || 2262 ||
                                           ++======++
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                                    TURNING MOVEMENT SUMMARY
                                    Section 5:  PM Peak Hour Diagram
                                           4:30P

                                        NORTH APPROACH
                                           NC105BYP
                                          +------+
                                          | 1436 |
                                          +------+
                                        91   484
                                      Right Left


                                      TOTAL ENTERING VOLUME:
  WEST        +------+   98  Left                                  Right  763 +------+        EAST
      NC105   | 1465 |                                                        | 2523 |NC105
APPROACH      +------+  590  Thru                                  Thru   686 +------+      APPROACH
                                          ++======++
                                          || 2712 ||
                                          ++======++
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