M4

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

COUNTY: AVERY IN CITY: SUGAR MOUNTAIN

INTERSECTION: NC 184 & CASTLEROCK RD & GROUSE MOOR RD

STATION #: 08TM0133 COUNTED BY: POWELL

DATE: July 8 & 11, 2008 DAY OF WEEK: Friday, Tuesday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
NC 184
APPROACH: SOUTHEAST

TIME PERIOD	FROM NORTHEAST ON A = CASTLEROCK RD TO NW. on NC184 1	SW. on GROUSE 2	SE. on NC184 3	FROM SOUTHEAST ON B = NC 184 TO NE. on CASTLEROC 4	NW. on NC184 5	SW. on GROUSE 6	FROM SOUTHWEST ON C = GROUSE MOOR RD TO SE. on NC184 7	NE. on CASTLEROC 8	NW. on NC184 9	FROM NORTHWEST ON D = NC 184 TO SW. on GROUSE 10	SE. on NC184 11	NE. on CASTLEROC 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	0	0	0	0	12	0	1	0	1	0	15	0	29	3	1	0	4
6:15A	0	0	0	0	13	2	1	0	2	1	38	0	57	1	2	0	3
6:30A	0	0	1	0	40	2	3	0	1	2	46	0	95	3	1	0	4
6:45A	0	0	1	0	47	4	4	1	6	2	45	0	110	5	1	0	6
7:00A	0	0	0	2	47	10	3	0	4	4	47	1	118	1	0	0	1
7:15A	0	0	1	6	79	9	7	0	6	11	76	1	196	10	2	0	12
7:30A	1	1	3	5	88	9	7	0	5	6	88	1	214	6	2	0	8
7:45A	0	0	3	3	103	5	10	0	10	2	79	6	221	10	1	0	11
8:00A	2	0	2	2	84	7	6	0	5	4	72	2	186	12	0	0	12
8:15A	1	0	2	1	91	7	9	0	7	4	57	3	182	4	0	0	4
8:30A	1	0	5	2	98	9	13	0	10	7	90	2	237	10	0	0	10
8:45A	1	0	1	2	97	12	13	1	8	2	106	1	244	15	0	0	15
9:00A	2	0	5	2	106	5	15	0	8	6	92	1	242	17	0	0	17
9:15A	2	0	2	0	76	7	11	0	10	5	109	1	223	11	0	0	11
9:30A	4	0	4	1	90	4	15	0	8	4	100	0	230	10	0	0	10
9:45A	0	0	7	3	107	5	18	0	10	9	110	1	270	13	4	0	17
10:00A																	
10:15A																	
10:30A	0	0	3	0	89	6	15	1	8	9	88	1	220	11	1	0	12
10:45A	0	0	2	0	107	8	11	1	11	9	128	0	277	9	1	0	10
11:00A	0	0	1	0	97	2	14	0	10	6	130	0	260	9	1	0	10
11:15A	0	0	0	0	101	6	12	0	13	10	118	1	261	6	2	0	8
11:30A	0	0	1	1	105	3	13	0	3	3	126	2	257	12	3	0	15
11:45A	0	0	3	1	106	8	18	0	12	6	143	2	299	10	1	0	11
12:00P	1	0	4	3	98	9	25	1	13	8	143	0	305	10	1	0	11
12:15P	1	0	3	1	54	7	4	0	3	1	78	2	154	5	0	0	5
12:30P	1	0	5	2	120	12	11	0	8	9	118	2	288	7	0	0	7
12:45P	1	0	1	6	110	11	13	0	6	12	139	1	300	6	1	0	7
1:00P	0	0	2	0	123	15	20	0	11	7	122	3	303	13	0	0	13
1:15P	0	1	0	3	126	5	10	0	7	8	120	0	280	7	2	0	9
1:30P	0	0	0	5	106	8	14	0	5	4	114	1	257	13	1	0	14
1:45P	2	0	1	3	128	13	11	0	10	5	130	1	304	14	1	0	15

SHORT LABEL	ROAD, STREET or DRIVEWAY
CASTLEROCK =	CASTLEROCK RD
NC184 =	NC 184
GROUSE =	GROUSE MOOR RD

TIME PERIOD	FROM NORTHEAST ON A = CASTLEROCK RD TO NW. on NC184 1	SW. on GROUSE 2	SE. on NC184 3	FROM SOUTHEAST ON B = NC 184 TO NE. on CASTLEROC	NW. on NC184 5	SW. on GROUSE 6	FROM SOUTHWEST ON C = GROUSE MOOR RD TO SE. on NC184 7	NE. on CASTLEROC	NW. on NC184 9	FROM NORTHWEST ON D = NC 184 TO SW. on GROUSE 10	SE. on NC184 11	NE. on CASTLEROC 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	3	0	3	1	90	11	15	0	11	6	107	4	251	11	2	0	13
2:15P	2	0	1	4	115	12	8	0	10	13	118	0	283	11	2	0	13
2:30P	0	0	5	0	89	9	9	0	5	6	83	5	211	8	3	0	11
2:45P	0	0	1	3	82	2	9	0	10	6	92	2	207	4	0	0	4
3:00P	0	0	2	2	108	11	11	1	5	11	98	2	251	6	0	0	6
3:15P	0	0	1	4	134	16	10	1	9	10	101	5	291	10	2	0	12
3:30P	3	0	5	2	121	8	18	1	7	6	98	3	272	5	0	0	5
3:45P	0	0	0	4	103	11	17	0	10	11	119	4	279	10	0	0	10
4:00P	1	0	0	5	107	25	17	1	8	8	161	3	336	8	2	0	10
4:15P	0	0	6	5	85	7	6	0	1	4	62	1	177	2	0	0	2
4:30P	5	1	7	4	136	11	7	0	4	3	111	3	292	11	0	0	11
4:45P	2	0	0	3	131	16	4	1	4	8	90	5	264	8	0	0	8
5:00P	0	0	0	0	41	2	11	1	3	0	51	0	109	1	0	0	1
5:15P	0	0	2	4	146	9	7	0	14	9	98	3	292	5	0	0	5
5:30P	2	0	4				7	0	7	7	80	2	249	3	0	0	3
5:45P	1	0	2				5	0	6	7	84	1	238	4	0	0	4
6:00P	1	0	2				11	0	3	6	65	4	186	4	0	0	4
6:15P	0	0	2				8	0	12	5	68	4	193	5	0	0	5
6:30P																	
6:45P																	
7:00P	1	0	2				4	1	2	0	23	2	67	0	0	0	0
7:15P	0	0	0				6	0	8	6	49	3	146	2	0	0	2
7:30P	1	0	1				3	0	7	4	47	3	121	0	0	0	0
7:45P	0	0	0				3	0	5	5	41	2	100	2	0	0	2
8:00P	0	0	2				0	0	1	7	29	3	98	1	0	0	1
8:15P	0	0	1				1	0	2	7	29	0	84	0	0	0	0
8:30P	0	0	0				3	0	4	6	44	0	97	1	0	0	1
8:45P	0	0	0	4	39	4	1	0	2	2	30	1	83	0	0	0	0
9:00P	2	0	0	1	32	3	3	0	2	6	38	1	88	1	0	0	1
9:15P	1	0	1	0	33	3	2	0	1	3	28	4	76	0	0	0	0
9:30P	1	0	1	0	27	5	1	0	0	13	80	4	132	0	0	0	0
9:45P	2	0	3	3	22	5	2	0	1	16	82	0	136	0	0	0	0
15.00-HOUR TOTALS	48	3	117	122	5007	448	536	12	385	367	5073	110	12228	386	40	0	426
24-HOUR PROJECTION	55	3	134	140	5832	514	615	14	442	421	5909	126	14205	405	50	0	455
AM PEAK HOUR BEGINS AT 11:15A TOTALS	1	0	8	5	410	26	68	1	41	27	530	5	1122	38	7	0	45
PM PEAK HOUR BEGINS AT 3:15P TOTALS	4	0	6	15	465	60	62	3	34	35	479	15	1178	33	4	0	37

SHORT LABEL	ROAD, STREET or DRIVEWAY
CASTLEROCK =	CASTLEROCK RD
NC184 =	NC 184
GROUSE =	GROUSE MOOR RD

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

INTER-SECTION TOTALS AND FACTORS:	VOLUME SURVEYED	AM PEAK VOLUME AT 11:15A	PEAK HOUR PERCENTAGES
	12228	1122	AM: 8% PM: 8%
	PROJECTED 24-HOUR TOTAL	PM PEAK VOLUME AT 3:15P	PEAK HOUR FACTORS
	14205	1178	AM: 0.92 PM: 0.88

TRUCKS TOTALS ON SOUTHEAST APPROACH OF NC 184

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	386	40	0	426
PROJECTED	405	50	0	455
PERCENTAGE	3.1%	0.4%	0.0%	3.5

TOTALS AND FACTORS BY APPROACH:	A = NORTHEAST APPR. OF CASTLEROCK RD		B = SOUTHEAST APPR. OF NC 184		C = SOUTHWEST APPR. OF GROUSE MOOR RD		D = NORTHWEST APPR. OF NC 184	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	168	193	5577	6486	933	1071	5550	6456
EXT. VOL.	244	280	5726	6658	818	939	5440	6329
TOTAL VOL.	412	473	11303	13144	1751	2010	10990	12785
AM PEAK	HOUR BEGINS:	7:15A	HOUR BEGINS:	11:15A	HOUR BEGINS:	11:15A	HOUR BEGINS:	11:15A
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	13	33%	441	42%	110	67%	562	55%
EXT. VOL.	26	67%	606	58%	53	33%	452	45%
TOTAL VOL.	39	---	1047	---	163	---	1014	---
	% 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%	0.81	8%	0.93	8%	0.73	8%	0.94
PM PEAK	HOUR BEGINS:	4:00P	HOUR BEGINS:	12:30P	HOUR BEGINS:	3:15P	HOUR BEGINS:	12:30P
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	22	42%	533	49%	99	51%	541	51%
EXT. VOL.	31	58%	561	51%	95	49%	513	49%
TOTAL VOL.	53	---	1094	---	194	---	1054	---
	% 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	11%	0.66	8%	0.97	10%	0.82	8%	0.98

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

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NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC184                                                                 CASTLEROCK
     +------+                                                          +------+
     |12785 |                                                          | 473 |
     +------+        126                                          55   +------+
            5909        Left                                Right        3
       421        Thru                                          Thru        134
            Right                                                     Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     ||14205 ||
                                     ++======++

            Left                                                      Right
       442        Thru                                          Thru        140
              14        Right                               Left        5832
     +------+        615                                          514   +------+
     | 2010 |                                                          |13144 |
     +------+                                                          +------+
     GROUSE                                                                 NC184
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
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                                TURNING MOVEMENT SUMMARY
                                Section 4:  AM Peak Hour Diagram
                                        11:15A


NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC184                                                                  CASTLEROCK
     +------+                                                              +------+
     | 1014 |                                                              |   20 |
     +------+          5                                                 1  +------+
            530        Left                                     Right          0
        27        Thru                                                Thru          8
            Right                                                          Left


                                TOTAL ENTERING VOLUME:

                                   ++======++
                                   || 1122 ||
                                   ++======++


            Left                                                          Right
        41        Thru                                                Thru          5
              1        Right                                     Left          410
     +------+        68                                                 26  +------+
     |  163 |                                                              | 1047 |
     +------+                                                              +------+
     GROUSE                                                                     NC184
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
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TURNING MOVEMENT SUMMARY
Section 5: PM Peak Hour Diagram
3:15P

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NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC184                                                                 CASTLEROCK
     +------+                                                          +------+
     | 1032 |                                                          |  43 |
     +------+          15                                          4   +------+
            479          Left                                Right        0
        35          Thru                                          Thru          6
            Right                                                     Left

                                  TOTAL ENTERING VOLUME:

                                     ++=======++
                                     || 1178 ||
                                     ++=======++

            Left                                                      Right
        34          Thru                                          Thru          15
              3          Right                                Left        465
     +------+          62                                          60   +------+
     |  194 |                                                          | 1087 |
     +------+                                                          +------+
     GROUSE                                                                 NC184
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
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