MH

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

COUNTY: PENDER IN CITY: SURF CITY

INTERSECTION: NC 210/50 & NC 50 & N TOPSAIL DR & ROLAND AVE

STATION #: 08TM0175 COUNTED BY: POWELL

DATE: July 28 & 29, 2008 DAY OF WEEK: Tuesday, Monday

SPECIAL COUNTS: TRUCKS
CLASSIFICATIONS:
DUAL TTST TWIN

ROUTE:
NC 210/50
APPROACH: NORTHWEST

****

TIME PERIOD	FROM NORTHEAST ON A = N TOPSAIL DR TO			FROM SOUTHEAST ON B = ROLAND AVE TO			FROM SOUTHWEST ON C = NC 50 TO			FROM NORTHWEST ON D = NC 210/50 TO			TOTAL all veh's.	SPECIAL COUNTS:			
	NW. on NC210/50 1	SW. on NC50 2	SE. on ROLAND 3	NE. on TOPSAIL 4	NW. on NC210/50 5	SW. on NC50 6	SE. on ROLAND 7	NE. on TOPSAIL 8	NW. on NC210/50 9	SW. on NC50 10	SE. on ROLAND 11	NE. on TOPSAIL 12		DUALS	TTSTS	TWINS	TOTAL TRUCKS
6:00A	1	0	0	0	0	1	0	0	5	13	1	0	21	0	0	0	0
6:15A	3	1	0	0	3	0	0	2	13	8	3	1	34	0	0	0	0
6:30A	3	3	0	0	4	0	0	2	20	7	2	2	43	0	0	0	0
6:45A	5	6	0	1	3	1	0	2	25	12	0	3	58	1	0	0	1
7:00A	8	3	1	0	5	0	1	3	33	15	2	1	72	1	0	0	1
7:15A	4	5	0	0	4	0	0	3	29	21	2	5	73	0	1	0	1
7:30A	1	3	0	0	7	0	1	3	28	28	4	3	78	4	0	0	4
7:45A	2	4	0	0	4	2	2	1	32	37	8	6	98	5	0	0	5
8:00A	4	8	0	0	4	0	2	1	33	29	7	5	93	3	0	0	3
8:15A	3	12	0	1	9	0	1	4	31	18	7	4	90	0	3	0	3
8:30A	3	4	4	0	6	0	2	3	24	26	3	7	82	4	0	0	4
8:45A	3	6	1	2	5	1	0	5	37	39	7	1	107	4	1	0	5
9:00A	4	13	1	0	7	2	5	8	51	36	8	9	144	4	2	0	6
9:15A	7	6	0	0	7	1	2	8	49	35	11	8	134	4	1	0	5
9:30A	5	16	3	0	6	0	2	14	63	45	3	6	163	5	0	0	5
9:45A	9	8	2	0	9	0	2	13	72	58	14	7	194	6	2	0	8
10:00A																	
10:15A																	
10:30A	9	10	1	1	11	5	2	12	51	53	18	12	185	0	0	0	0
10:45A	10	6	3	1	12	8	2	14	61	74	13	12	216	5	1	0	6
11:00A	5	23	0	0	3	1	1	10	56	45	11	10	165	2	0	0	2
11:15A	7	16	0	1	13	1	1	16	77	56	24	19	231	8	1	0	9
11:30A	3	8	1	0	5	3	0	8	40	39	22	6	135	2	1	0	3
11:45A	8	20	3	2	14	2	4	14	53	58	13	14	205	4	0	0	4
12:00P	8	8	6	1	9	2	4	7	61	63	15	11	195	6	2	0	8
12:15P	9	35	4	0	10	3	4	9	39	45	16	12	186	2	0	0	2
12:30P	12	15	1	0	11	1	3	15	48	63	16	21	206	7	1	0	8
12:45P	9	15	1	2	16	1	2	9	46	59	20	20	200	4	0	0	4
1:00P	9	9	0	0	6	1	4	29	43	64	14	11	190	2	2	0	4
1:15P	11	15	2	0	19	5	4	13	59	61	21	21	231	2	0	0	2
1:30P	8	23	2	0	19	4	3	15	57	62	20	13	226	0	1	0	1
1:45P	16	23	4	1	15	0	0	13	44	60	19	15	210	3	0	0	3

SHORT LABEL	ROAD, STREET or DRIVEWAY
TOPSAIL	= N TOPSAIL DR
ROLAND	= ROLAND AVE
NC50	= NC 50

SHORT LABEL	ROAD, STREET or DRIVEWAY
NC210/50	= NC 210/50

TIME PERIOD	FROM NORTHEAST ON A = N TOPSAIL DR TO NW. on NC210/50 1	SW. on NC50 2	SE. on ROLAND 3	FROM SOUTHEAST ON B = ROLAND AVE TO NE. on TOPSAIL 4	NW. on NC210/50 5	SW. on NC50 6	FROM SOUTHWEST ON C = NC 50 TO SE. on ROLAND 7	NE. on TOPSAIL 8	NW. on NC210/50 9	FROM NORTHWEST ON D = NC 210/50 TO SW. on NC50 10	SE. on ROLAND 11	NE. on TOPSAIL 12	TOTAL all veh's.	SPECIAL COUNTS: DUALS	TTSTS	TWINS	TOTAL TRUCKS
2:00P	6	10	4	5	6	4	3	2	23	49	10	8	130	0	0	0	0
2:15P	5	15	1	0	1	0	1	5	22	22	3	5	80	0	0	0	0
2:30P	7	23	0	2	11	3	2	8	16	35	4	5	116	3	0	0	3
2:45P	5	15	2	1	10	2	4	12	12	39	9	4	115	0	1	0	1
3:00P	6	25	0	0	9	0	4	12	23	27	21	10	137	1	1	0	2
3:15P	2	6	0	1	8	1	6	10	36	27	7	4	108	2	0	0	2
3:30P	0	14	2	0	6	0	0	12	25	29	8	4	100	1	0	0	1
3:45P	10	10	0	1	19	3	1	7	35	42	16	7	151	2	0	0	2
4:00P	8	11	1	2	16	2	4	16	62	37	11	9	179	2	0	0	2
4:15P	6	13	2	2	22	2	1	4	41	45	12	6	156	2	0	0	2
4:30P	3	8	1	5	13	1	1	9	46	34	15	15	151	2	0	0	2
4:45P	12	13	0	3	13	2	2	3	47	39	17	10	161	0	0	0	0
5:00P	2	3	0	0	15	0	0	38	48	6	7	4	123	0	0	0	0
5:15P	8	17	3	1	8	3	1	13	38	65	11	10	178	2	0	0	2
5:30P	3	16	0	0	9	2	2	9	19	32	8	8	108	0	0	0	0
5:45P	1	13	1	3	16	2	1	7	22	68	16	13	163	1	0	0	1
6:00P	0	1	5	0	9	0	7	7	51	76	15	10	181	0	0	0	0
6:15P	7	26	5	1	9	3	7	25	37	41	18	10	189	1	0	0	1
6:30P																	
6:45P																	
7:00P	10	14	0	3	17	1	4	11	34	37	14	7	152	0	0	0	0
7:15P	3	12	2	1	9	1	4	7	25	37	12	9	122	0	0	0	0
7:30P	5	22	2	3	16	2	6	6	33	27	14	14	150	0	0	0	0
7:45P	2	10	3	6	8	2	0	8	33	42	7	11	132	0	0	0	0
8:00P																	
8:15P																	
8:30P																	
8:45P																	
9:00P																	
9:15P																	
9:30P																	
9:45P																	
13.00-HOUR TOTALS	300	621	74	53	496	81	115	487	2008	2085	579	448	7347	107	21	0	128
24-HOUR PROJECTION	379	786	93	66	627	102	145	616	2569	2667	732	567	9350	112	26	0	139
AM PEAK HOUR BEGINS AT 10:30A TOTALS	31	55	4	3	39	15	6	52	245	228	66	53	797	15	2	0	17
PM PEAK HOUR BEGINS AT 1:00P TOTALS	44	70	8	1	59	10	11	70	203	247	74	60	857	7	3	0	10

SHORT LABEL	ROAD, STREET or DRIVEWAY
TOPSAIL =	N TOPSAIL DR
ROLAND =	ROLAND AVE
NC50 =	NC 50
NC210/50 =	NC 210/50

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

INTER-SECTION TOTALS AND FACTORS:

VOLUME SURVEYED	AM PEAK VOLUME AT 10:30A	PEAK HOUR PERCENTAGES
7347	797	AM: 9% PM: 9%
PROJECTED 24-HOUR TOTAL	**PM PEAK VOLUME AT 1:00P**	**PEAK HOUR FACTORS**
9350	857	AM: 0.86 PM: 0.93

TRUCKS TOTALS ON NORTHWEST APPROACH OF NC 210/50

	DUALS	TTSTS	TWINS	TOTAL TRUCKS
SURVEY	107	21	0	128
PROJECTED	112	26	0	139
PERCENTAGE	1.5%	0.3%	0.0%	1.8

TOTALS AND FACTORS BY APPROACH:

	A = NORTHEAST APPR. OF N TOPSAIL DR		B = SOUTHEAST APPR. OF ROLAND AVE		C = SOUTHWEST APPR. OF NC 50		D = NORTHWEST APPR. OF NC 210/50	
ALL HOURS IN SURVEY	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.	SURVEY	PROJ. 24-HR.
ENT. VOL.	995	1258	630	796	2610	3330	3112	3966
EXT. VOL.	988	1249	768	970	2787	3555	2804	3576
TOTAL VOL.	1983	2507	1398	1767	5397	6885	5916	7542
AM PEAK	HOUR BEGINS:	10:30A	HOUR BEGINS:	11:15A	HOUR BEGINS:	10:30A	HOUR BEGINS:	10:30A
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	90	45%	53	36%	303	50%	347	52%
EXT. VOL.	108	55%	93	64%	298	50%	315	48%
TOTAL VOL.	198	---	146	---	601	---	662	---
	% 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%	0.84	8%	0.91	9%	0.90	9%	0.84
PM PEAK	HOUR BEGINS:	1:00P	HOUR BEGINS:	1:15P	HOUR BEGINS:	1:00P	HOUR BEGINS:	12:45P
	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.	SURVEY	DIR. DIST.
ENT. VOL.	122	48%	78	46%	284	46%	386	56%
EXT. VOL.	131	52%	92	54%	327	54%	302	44%
TOTAL VOL.	253	---	170	---	611	---	688	---
	% 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%	0.88	10%	0.83	9%	0.93	9%	0.90

TURNING MOVEMENT SUMMARY
Section 3: 24-Hour Counts Diagram

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NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC210/50                                                                TOPSAIL
     +-------+                                                         +-------+
     | 7542 |                                                         | 2507 |
     +-------+          567                                  379       +-------+
              732          Left                     Right          786
       2667          Thru                                 Thru            93
             Right                                                Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     || 9350 ||
                                     ++======++

             Left                                                 Right
       2569          Thru                                 Thru            66
              616          Right                    Left           627
     +-------+          145                                  102       +-------+
     | 6885 |                                                         | 1767 |
     +-------+                                                         +-------+
     NC50                                                                    ROLAND
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
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TURNING MOVEMENT SUMMARY
Section 4: AM Peak Hour Diagram
10:30A

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NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC210/50                                                                TOPSAIL
     +-------+                                                         +-------+
     |  662  |                                                         |  198  |
     +-------+          53                                       31    +-------+
                 66          Left                       Right        55
        228          Thru                                   Thru          4
              Right                                                Left

                                  TOTAL ENTERING VOLUME:

                                     ++======++
                                     ||  797 ||
                                     ++======++

              Left                                                Right
        245          Thru                                   Thru          3
                 52          Right                      Left         39
     +-------+           6                                       15    +-------+
     |  601  |                                                         |  133  |
     +-------+                                                         +-------+
     NC50                                                                    ROLAND
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
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TURNING MOVEMENT SUMMARY
Section 5: PM Peak Hour Diagram
1:00P

```
NORTHWEST APPROACH                                                    NORTHEAST APPROACH
     NC210/50                                                                TOPSAIL
     +-------+                                                          +-------+
     |  687  |                                                          |  253  |
     +-------+          60                                        44    +-------+
              74          Left                          Right          70
        247          Thru                                     Thru            8
             Right                                                  Left

                                  TOTAL ENTERING VOLUME:

                                     ++=======++
                                     ||  857  ||
                                     ++=======++

             Left                                                  Right
        203          Thru                                     Thru            1
              70          Right                         Left           59
     +-------+          11                                        10    +-------+
     |  611  |                                                          |  163  |
     +-------+                                                          +-------+
     NC50                                                                    ROLAND
SOUTHWEST APPROACH                                                    SOUTHEAST APPROACH
```