

Intersection Geometrics and Observations

Count number: 17-14686

County: Dare

City: Whalebone

Division: 01

Intersection: NC 12

at US 64-264/US 158

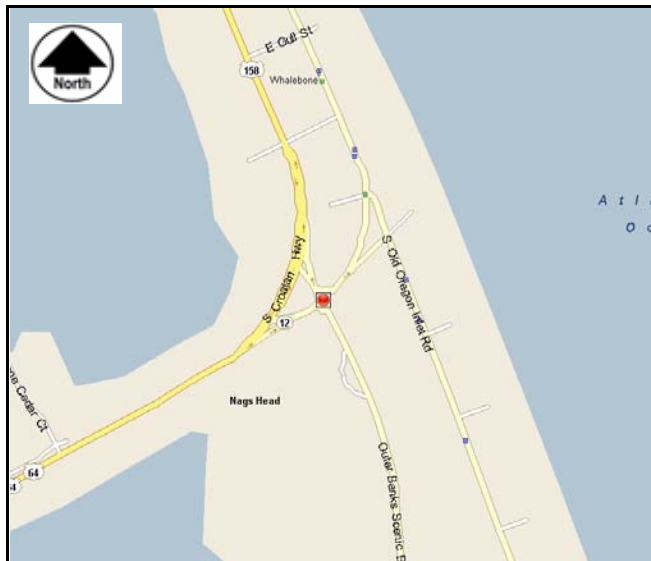
13-Hour Count Volumes: 12,424

Date: July 8, 2017

Time: 6am to 7pm

Comments:

1. Counted By: David Bailey
2. Data Processor: Shawn Nichols
3. Pedestrian Type Observed: No Disabled
4. Signalized intersection left turn movements:
 - Southbound: Permitted
 - Westbound: Permitted
 - Northbound: Permitted
 - Eastbound: N/A
5. Traffic Signal Inventory No: 01-0302
6. Collection Type: Manual via Video
7. Nearest Signalized Intersection:
 - Southbound: > 300 Feet
 - Westbound: > 300 Feet
 - Northbound: > 300 Feet
 - Eastbound: > 300 Feet
8. Nearest Roadway Stop Sign:
 - Southbound: > 300 Feet
 - Westbound: > 300 Feet
 - Northbound: > 300 Feet
 - Eastbound: > 300 Feet
9. Weather Observations:
 - Max Temperature: 86 degrees
 - Min Temperature: 74 degrees
 - Precipitation: 0.09 inches
 - Average Sky Cover: 0.1
 - Weather Conditions: Light Rain
10. Data Collection equipment was calibrated per manufacturers instructions and operating properly when used/installed
11. No Railroad Crossing on any approach within 200 feet of the intersection



Vicinity Map



Intersection Sketch





Intersection: NC 12
at US 64-264/US 158
Count Number: 17-14686
County: Dare
City: Whalebone
Division: 01



Looking Southbound From North Leg



Looking Northbound From North Leg



Intersection: NC 12
at US 64-264/US 158
Count Number: 17-14686
County: Dare
City: Whalebone
Division: 01



Looking Northbound From South Leg



Looking Southbound From South Leg



Intersection: NC 12
at US 64-264/US 158
Count Number: 17-14686
County: Dare
City: Whalebone
Division: 01



Looking Westbound From East Leg



Looking Eastbound From East Leg



Intersection: NC 12
at US 64-264/US 158
Count Number: 17-14686
County: Dare
City: Whalebone
Division: 01



Looking Eastbound From West Leg



Looking Westbound From West Leg



Intersection: NC 12
at US 64-264/US 158
Count Number: 17-14686
County: Dare
City: Whalebone
Division: 01



Collection Device



The Traffic Group Turning Movement Count

Merging Innovation and Excellence®

Station ID: 17-14682/ 86 **Job Number:** 2015-0402

Location: Junction of NC 12 & US 64-264/US 158

GPS Coordinates: 35.906395, -75.598623

State: NC

County: Dare

City: Whalebone

Setup Date: 7-7-2017

Setup Time: 0920

Technician(s): DB

Count Date: 7-8/7-11-2017

Count Time: 6A-7P

Duration: 13 Hrs

Machine #1: Miovision

VCU #: 6F2

Camera #: 82R

Machine #2: Miovision

VCU #: 1TX

Camera #: 302

Posted Speed: 35/ 25

Advisory Speed:

Setup Weather: Clear/ Breezy

Temperature: 75

Field Diagram - Include Nearest Crossroads and Orientation (North Arrow)



Comments:

Note that count on 7-8-2017 is a Saturday count per NCDOT.

The Traffic Group, Inc.

(800) 583-8411

www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 1

Groups Printed- All Vehicles

Start Time	US 158 Southbound					NC 12 Westbound					NC 12 Northbound					US 64-264 Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
06:00 AM	3	22	0	0	25	4	7	1	0	12	5	10	1	0	16	0	6	19	0	25	78
06:15 AM	3	33	0	0	36	6	16	0	0	22	9	12	4	0	25	0	9	13	0	22	105
06:30 AM	3	23	0	0	26	12	14	7	0	33	4	6	1	0	11	0	12	20	0	32	102
06:45 AM	2	17	0	0	19	5	17	7	0	29	5	21	3	0	29	0	14	13	0	27	104
Total	11	95	0	0	106	27	54	15	0	96	23	49	9	0	81	0	41	65	0	106	389
07:00 AM	5	11	0	0	16	5	8	4	0	17	10	21	2	0	33	0	16	13	0	29	95
07:15 AM	4	18	0	0	22	2	10	9	0	21	3	11	0	0	14	0	11	13	0	24	81
07:30 AM	4	26	0	0	30	6	18	3	0	27	12	18	2	0	32	0	23	17	0	40	129
07:45 AM	6	13	0	0	19	4	34	8	0	46	14	22	2	0	38	0	22	17	0	39	142
Total	19	68	0	0	87	17	70	24	0	111	39	72	6	0	117	0	72	60	0	132	447
08:00 AM	6	26	0	0	32	9	33	10	0	52	22	19	3	0	44	0	16	16	0	32	160
08:15 AM	6	29	1	0	36	4	26	15	0	45	13	20	1	0	34	0	29	12	0	41	156
08:30 AM	13	33	0	0	46	11	23	11	0	45	10	30	5	0	45	0	16	24	0	40	176
08:45 AM	7	32	0	0	39	8	29	11	0	48	12	39	8	0	59	0	32	8	0	40	186
Total	32	120	1	0	153	32	111	47	0	190	57	108	17	0	182	0	93	60	0	153	678
09:00 AM	9	37	0	0	46	9	43	7	0	59	24	31	7	0	62	0	26	17	0	43	210
09:15 AM	12	38	0	0	50	17	28	15	0	60	19	41	4	0	64	0	30	22	0	52	226
09:30 AM	8	47	0	0	55	9	24	17	0	50	13	34	5	0	52	0	32	19	0	51	208
09:45 AM	18	55	0	0	73	10	25	14	0	49	20	42	4	0	66	0	27	21	0	48	236
Total	47	177	0	0	224	45	120	53	0	218	76	148	20	0	244	0	115	79	0	194	880
10:00 AM	16	48	0	0	64	9	23	18	0	50	21	52	4	0	77	0	22	20	0	42	233
10:15 AM	12	54	0	0	66	7	23	15	0	45	34	36	9	0	79	0	29	21	0	50	240
10:30 AM	15	50	1	0	66	8	21	20	0	49	25	70	1	0	96	0	31	20	0	51	262
10:45 AM	10	59	0	0	69	7	31	18	0	56	20	50	10	0	80	0	55	23	0	78	283
Total	53	211	1	0	265	31	98	71	0	200	100	208	24	0	332	0	137	84	0	221	1018
11:00 AM	19	49	0	0	68	17	32	13	0	62	16	38	10	0	64	0	25	19	0	44	238
11:15 AM	17	61	0	0	78	13	22	11	0	46	20	43	11	0	74	0	37	30	0	67	265
11:30 AM	13	58	1	0	72	11	25	20	0	56	16	58	13	0	87	1	42	17	0	60	275
11:45 AM	21	52	0	0	73	9	33	21	0	63	24	59	17	0	100	2	32	22	0	56	292
Total	70	220	1	0	291	50	112	65	0	227	76	198	51	0	325	3	136	88	0	227	1070
12:00 PM	9	33	0	0	42	11	22	25	0	58	31	54	16	0	101	0	30	13	0	43	244
12:15 PM	15	39	0	0	54	8	45	22	0	75	20	57	18	0	95	0	46	20	0	66	290
12:30 PM	28	35	0	0	63	9	48	26	0	83	22	49	17	0	88	0	49	21	0	70	304
12:45 PM	19	47	0	0	66	8	53	14	0	75	31	54	16	0	101	0	29	23	0	52	294
Total	71	154	0	0	225	36	168	87	0	291	104	214	67	0	385	0	154	77	0	231	1132
01:00 PM	12	41	0	0	53	9	45	17	0	71	18	35	5	0	58	0	38	29	0	67	249
01:15 PM	18	37	0	0	55	15	53	16	0	84	25	46	10	0	81	0	25	23	0	48	268
01:30 PM	22	33	0	0	55	10	38	24	0	72	11	49	9	0	69	0	34	24	0	58	254
01:45 PM	19	42	0	0	61	13	42	26	0	81	20	47	15	0	82	0	28	27	0	55	279
Total	71	153	0	0	224	47	178	83	0	308	74	177	39	0	290	0	125	103	0	228	1050
02:00 PM	14	56	0	0	70	6	43	21	0	70	24	52	13	0	89	1	30	22	0	53	282
02:15 PM	20	53	0	0	73	8	27	30	0	65	24	30	13	0	67	1	32	32	0	65	270
02:30 PM	13	59	0	0	72	6	29	22	0	57	14	60	15	0	89	0	26	17	0	43	261
02:45 PM	14	51	0	0	65	12	51	21	0	84	13	58	12	0	83	1	28	23	0	52	284
Total	61	219	0	0	280	32	150	94	0	276	75	200	53	0	328	3	116	94	0	213	1097
03:00 PM	17	52	0	0	69	16	52	21	0	89	25	40	16	0	81	0	27	16	0	43	282

The Traffic Group, Inc.

(800) 583-8411

www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 2

Groups Printed- All Vehicles

Start Time	US 158 Southbound					NC 12 Westbound					NC 12 Northbound					US 64-264 Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
03:15 PM	14	50	0	0	64	11	40	22	0	73	18	35	17	0	70	0	30	28	0	58	265
03:30 PM	17	47	0	0	64	12	46	18	0	76	23	55	22	0	100	0	33	35	0	68	308
03:45 PM	13	53	0	0	66	12	39	20	0	71	15	63	18	0	96	0	51	40	0	91	324
Total	61	202	0	0	263	51	177	81	0	309	81	193	73	0	347	0	141	119	0	260	1179
04:00 PM	22	53	0	0	75	13	58	13	0	84	25	64	11	0	100	0	24	24	0	48	307
04:15 PM	13	31	0	0	44	11	40	23	0	74	23	60	27	0	110	0	33	26	0	59	287
04:30 PM	19	57	0	0	76	8	56	22	0	86	26	68	18	0	112	0	37	25	0	62	336
04:45 PM	19	44	0	0	63	13	45	29	0	87	25	78	26	0	129	0	33	18	0	51	330
Total	73	185	0	0	258	45	199	87	0	331	99	270	82	0	451	0	127	93	0	220	1260
05:00 PM	15	39	0	0	54	14	43	16	0	73	29	104	14	0	147	0	48	24	0	72	346
05:15 PM	22	29	0	1	52	4	71	35	0	110	27	57	19	0	103	0	37	15	0	52	317
05:30 PM	21	32	0	0	53	3	70	30	0	103	20	63	16	0	99	0	26	20	0	46	301
05:45 PM	18	27	0	0	45	18	48	22	0	88	27	56	21	0	104	0	38	19	0	57	294
Total	76	127	0	1	204	39	232	103	0	374	103	280	70	0	453	0	149	78	0	227	1258
06:00 PM	16	24	0	0	40	10	48	24	0	82	28	44	19	0	91	0	29	14	0	43	256
06:15 PM	11	20	0	0	31	2	48	20	0	70	25	49	15	0	89	0	39	13	0	52	242
06:30 PM	22	29	0	0	51	12	28	24	0	64	19	45	9	0	73	0	27	18	0	45	233
06:45 PM	25	31	0	0	56	11	43	21	0	75	22	33	12	0	67	0	30	8	0	38	236
Total	74	104	0	0	178	35	167	89	0	291	94	171	55	0	320	0	125	53	0	178	967
Grand Total	719	2035	3	1	2758	487	1836	899	0	3222	1001	2288	566	0	3855	6	1531	1053	0	2590	12425
Apprch %	26.1	73.8	0.1	0		15.1	57	27.9	0		26	59.4	14.7	0		0.2	59.1	40.7	0		
Total %	5.8	16.4	0	0	22.2	3.9	14.8	7.2	0	25.9	8.1	18.4	4.6	0	31	0	12.3	8.5	0	20.8	

The Traffic Group, Inc.

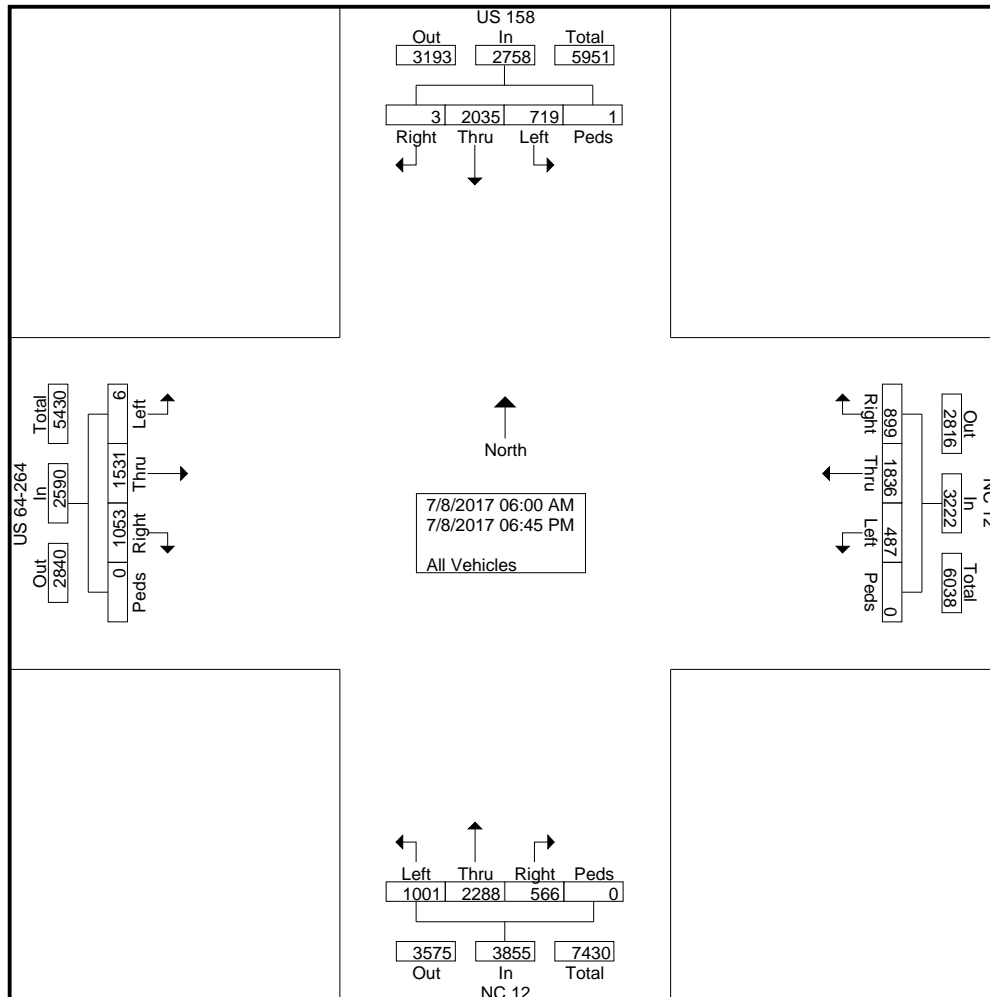
(800) 583-8411

www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 3



The Traffic Group, Inc.

(800) 583-8411

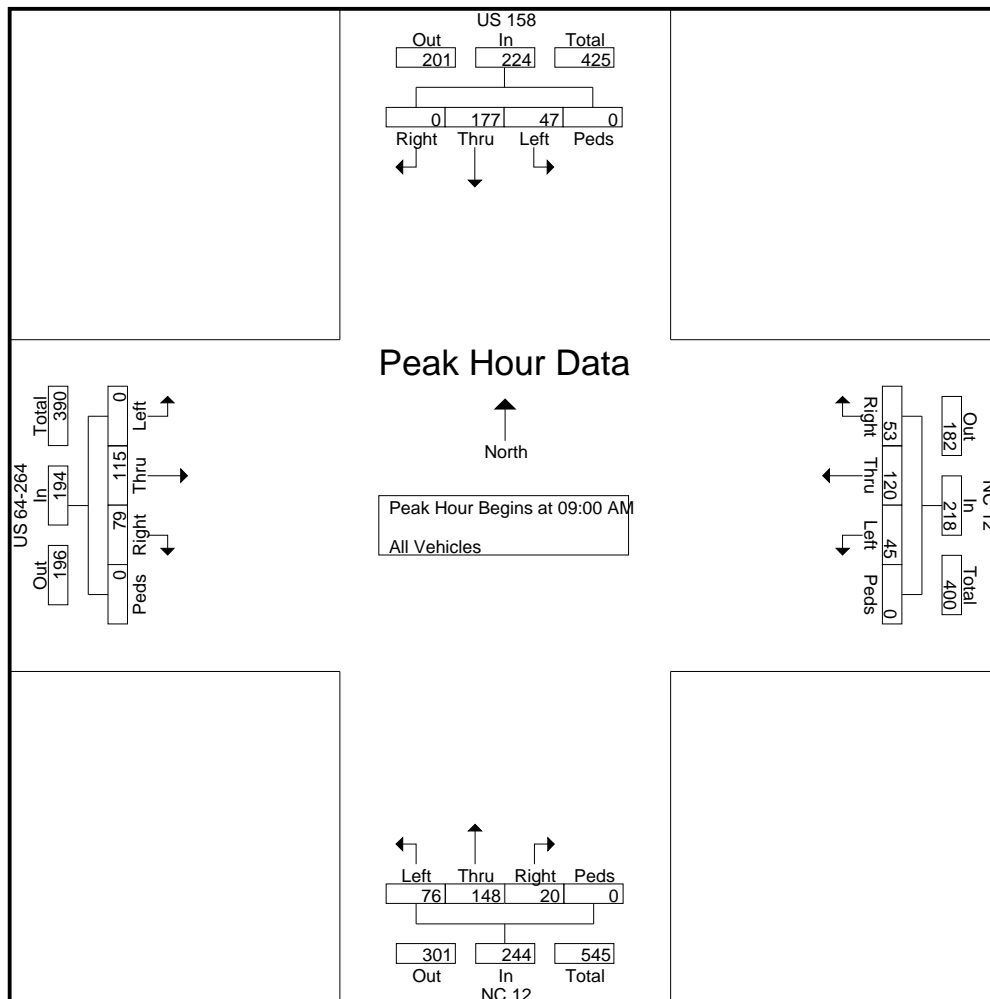
www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 4

	US 158 Southbound					NC 12 Westbound					NC 12 Northbound					US 64-264 Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:00 AM																					
09:00 AM	9	37	0	0	46	9	43	7	0	59	24	31	7	0	62	0	26	17	0	43	210
09:15 AM	12	38	0	0	50	17	28	15	0	60	19	41	4	0	64	0	30	22	0	52	226
09:30 AM	8	47	0	0	55	9	24	17	0	50	13	34	5	0	52	0	32	19	0	51	208
09:45 AM	18	55	0	0	73	10	25	14	0	49	20	42	4	0	66	0	27	21	0	48	236
Total Volume	47	177	0	0	224	45	120	53	0	218	76	148	20	0	244	0	115	79	0	194	880
% App. Total	21	79	0	0		20.6	55	24.3	0		31.1	60.7	8.2	0		0	59.3	40.7	0		
PHF	.653	.805	.000	.000	.767	.662	.698	.779	.000	.908	.792	.881	.714	.000	.924	.000	.898	.898	.000	.933	.932



The Traffic Group, Inc.

(800) 583-8411

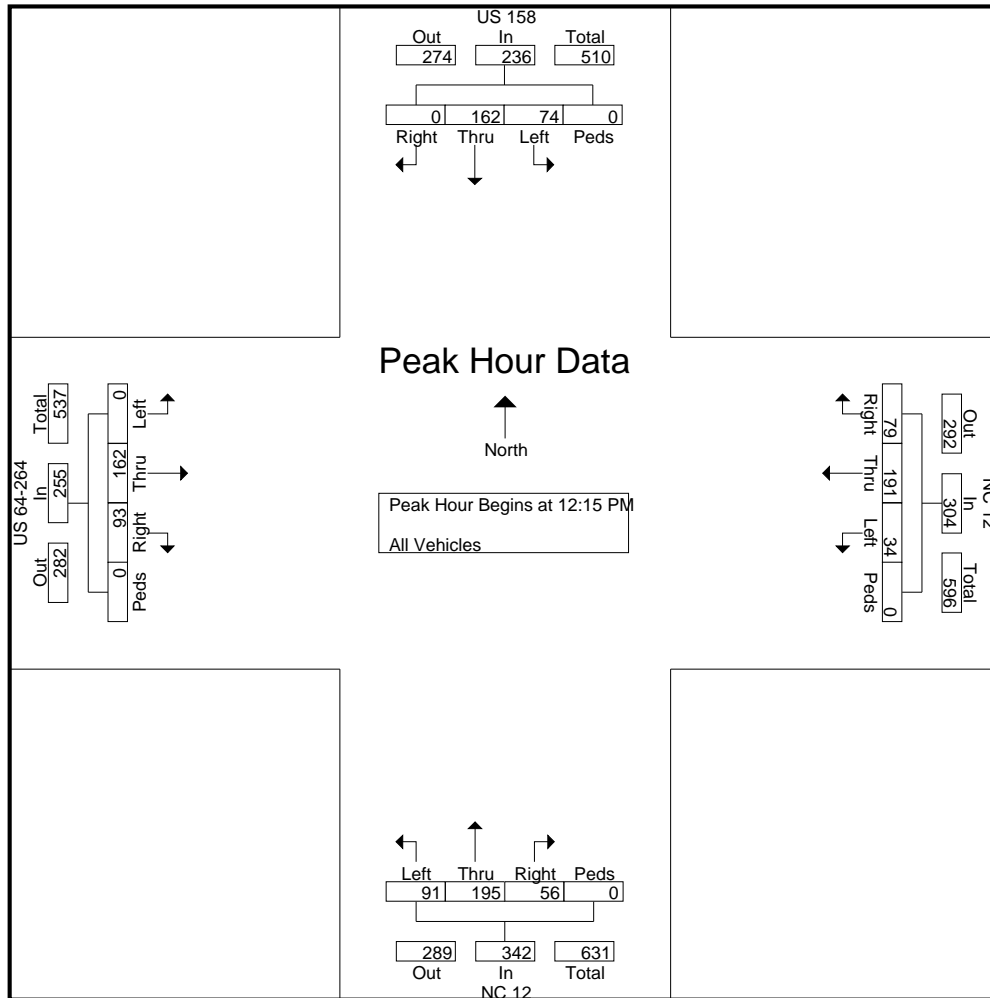
www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 5

	US 158 Southbound					NC 12 Westbound					NC 12 Northbound					US 64-264 Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:15 PM																					
12:15 PM	15	39	0	0	54	8	45	22	0	75	20	57	18	0	95	0	46	20	0	66	290
12:30 PM	28	35	0	0	63	9	48	26	0	83	22	49	17	0	88	0	49	21	0	70	304
12:45 PM	19	47	0	0	66	8	53	14	0	75	31	54	16	0	101	0	29	23	0	52	294
01:00 PM	12	41	0	0	53	9	45	17	0	71	18	35	5	0	58	0	38	29	0	67	249
Total Volume	74	162	0	0	236	34	191	79	0	304	91	195	56	0	342	0	162	93	0	255	1137
% App. Total	31.4	68.6	0	0		11.2	62.8	26	0		26.6	57	16.4	0		0	63.5	36.5	0		
PHF	.661	.862	.000	.000	.894	.944	.901	.760	.000	.916	.734	.855	.778	.000	.847	.000	.827	.802	.000	.911	.935



The Traffic Group, Inc.

(800) 583-8411

www.trafficgroup.com

Merging Innovation and Excellence

Junction of NC 12
and US 64-264/US 158
Dare County, North Carolina
Count Number 17-14686

File Name : 17-14686
Site Code : 17-14686
Start Date : 7/8/2017
Page No : 6

	US 158 Southbound					NC 12 Westbound					NC 12 Northbound					US 64-264 Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	19	57	0	0	76	8	56	22	0	86	26	68	18	0	112	0	37	25	0	62	336
04:45 PM	19	44	0	0	63	13	45	29	0	87	25	78	26	0	129	0	33	18	0	51	330
05:00 PM	15	39	0	0	54	14	43	16	0	73	29	104	14	0	147	0	48	24	0	72	346
05:15 PM	22	29	0	1	52	4	71	35	0	110	27	57	19	0	103	0	37	15	0	52	317
Total Volume	75	169	0	1	245	39	215	102	0	356	107	307	77	0	491	0	155	82	0	237	1329
% App. Total	30.6	69	0	0.4		11	60.4	28.7	0		21.8	62.5	15.7	0		0	65.4	34.6	0		
PHF	.852	.741	.000	.250	.806	.696	.757	.729	.000	.809	.922	.738	.740	.000	.835	.000	.807	.820	.000	.823	.960

