

12 HOUR I-4 TRUCK STUDY

for

I-4 AT OSCEOLA PARKWAY

M.P. 7.7

SECTION 92130
OSCEOLA COUNTY

Prepared for:

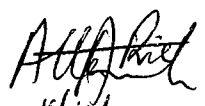
THE FLORIDA DEPARTMENT OF TRANSPORTATION

District Wide Traffic Studies
Financial Project No.: 237988-1-32-02
Contract No.: C-7927
Work Order No. 47

Prepared by:



November 2002


11/11/02
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P.E. #57961
November 7, 2002

12 HOUR I-4 TRUCK STUDY

LOCATION: I-4 AT OSCEOLA PARKWAY

CITY: LAKE BUENA VISTA

COUNTY: OSCEOLA

DATE: NOVEMBER 5, 2002

EASTBOUND LANES

TRUCKS

TIME BEGIN	LANE 1 OUT	LANE 2 MID	LANE 3 MID	LANE 4 IN	GRAND TOTAL
6:00	15	72	129	55	271
7:00	1	42	157	38	238
8:00	0	46	146	62	254
9:00	0	60	143	97	300
10:00	2	51	153	97	303
11:00	0	42	159	88	289
12:00 PM	2	49	168	89	308
1:00	4	61	161	95	321
2:00	0	38	191	71	300
3:00	1	61	148	62	272
4:00	1	47	110	71	229
5:00	1	25	80	53	159
TOTAL	27	594	1745	878	3244

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CITY: LAKE BUENA VISTA

COUNTY: OSCEOLA

DATE: NOVEMBER 5, 2002

WESTBOUND LANES

TRUCKS

TIME	LANE 1 OUT	LANE 2 MID	LANE 3 IN	GRAND TOTAL
BEGIN				
6:00	70	163	56	289
7:00	62	137	28	227
8:00	73	136	47	256
9:00	64	166	71	301
10:00	75	139	31	245
11:00	76	199	45	320
12:00 PM	86	127	42	255
1:00	63	132	41	236
2:00	54	143	64	261
3:00	46	134	40	220
4:00	25	58	48	131
5:00	13	51	24	88
TOTAL	707	1585	537	2829

TEI ENGINEERS AND PLANNERS
300 PRIMERA BOULEVARD, SUITE 200
LAKE MARY, FLORIDA
TEL: (407) 805-0355

File Name : I4OSCEOLA
Site Code : 00000000
Start Date : 11/05/2002
Page No : 1

I-4 AT OSCEOLA PARKWAY
TDC-8
DM, JB

Groups Printed- TRUCKS

Start Time	N/A Southbound				I-4 WB Westbound				N/A Northbound				I-4 EB Eastbound				Int. Total
	Right	Thru	Left	Utum	Lane 1 out	Lane 2 mid	Lane 3 in	Utum	Right	Thru	Left	Utum	Lane 2 mid	Lane 3 mid	Lane 4 in	Lane 1 out	
06:00	0	0	0	0	19	35	15	0	0	0	0	0	32	21	15	13	150
06:15	0	0	0	0	20	43	12	0	0	0	0	0	16	36	15	2	144
06:30	0	0	0	0	15	49	20	0	0	0	0	0	13	38	14	0	149
06:45	0	0	0	0	16	36	9	0	0	0	0	0	11	34	11	0	117
Total	0	0	0	0	70	163	56	0	0	0	0	0	72	129	55	15	560
07:00	0	0	0	0	13	32	9	0	0	0	0	0	8	41	10	0	113
07:15	0	0	0	0	14	33	6	0	0	0	0	0	13	37	11	0	114
07:30	0	0	0	0	18	35	8	0	0	0	0	0	8	43	14	1	127
07:45	0	0	0	0	17	37	5	0	0	0	0	0	13	36	3	0	111
Total	0	0	0	0	62	137	28	0	0	0	0	0	42	157	38	1	465
08:00	0	0	0	0	17	26	14	0	0	0	0	0	7	43	10	0	117
08:15	0	0	0	0	18	32	16	0	0	0	0	0	16	35	20	0	137
08:30	0	0	0	0	19	40	12	0	0	0	0	0	14	30	12	0	127
08:45	0	0	0	0	19	38	5	0	0	0	0	0	9	38	20	0	129
Total	0	0	0	0	73	136	47	0	0	0	0	0	46	146	62	0	510
09:00	0	0	0	0	15	41	17	0	0	0	0	0	18	36	16	0	143
09:15	0	0	0	0	18	47	12	0	0	0	0	0	13	40	22	0	152
09:30	0	0	0	0	17	36	22	0	0	0	0	0	16	34	29	0	154
09:45	0	0	0	0	14	42	20	0	0	0	0	0	13	33	30	0	152
Total	0	0	0	0	64	166	71	0	0	0	0	0	60	143	97	0	601
10:00	0	0	0	0	20	32	7	0	0	0	0	0	15	34	30	2	140
10:15	0	0	0	0	17	36	8	0	0	0	0	0	8	30	20	0	119
10:30	0	0	0	0	19	30	6	0	0	0	0	0	13	45	23	0	136
10:45	0	0	0	0	19	41	10	0	0	0	0	0	15	44	24	0	153
Total	0	0	0	0	75	139	31	0	0	0	0	0	51	153	97	2	548
11:00	0	0	0	0	16	47	8	0	0	0	0	0	7	33	23	0	134
11:15	0	0	0	0	25	43	10	0	0	0	0	0	11	46	21	0	156
11:30	0	0	0	0	18	48	11	0	0	0	0	0	14	42	22	0	155
11:45	0	0	0	0	17	61	16	0	0	0	0	0	10	38	22	0	164
Total	0	0	0	0	76	199	45	0	0	0	0	0	42	159	88	0	609
12:00	0	0	0	0	19	38	12	0	0	0	0	0	15	45	21	0	150
12:15	0	0	0	0	29	30	8	0	0	0	0	0	11	43	22	0	143
12:30	0	0	0	0	24	29	11	0	0	0	0	0	9	32	24	1	130
12:45	0	0	0	0	14	30	11	0	0	0	0	0	14	48	22	1	140
Total	0	0	0	0	86	127	42	0	0	0	0	0	49	168	89	2	563
13:00	0	0	0	0	21	33	8	0	0	0	0	0	15	40	24	2	143
13:15	0	0	0	0	16	35	7	0	0	0	0	0	18	41	26	0	143
13:30	0	0	0	0	8	27	12	0	0	0	0	0	16	37	25	1	126
13:45	0	0	0	0	18	37	14	0	0	0	0	0	12	43	20	1	145
Total	0	0	0	0	63	132	41	0	0	0	0	0	61	161	95	4	557
14:00	0	0	0	0	13	30	15	0	0	0	0	0	15	50	13	0	136
14:15	0	0	0	0	16	41	21	0	0	0	0	0	7	47	20	0	152
14:30	0	0	0	0	13	38	16	0	0	0	0	0	5	43	20	0	135
14:45	0	0	0	0	12	34	12	0	0	0	0	0	11	51	18	0	138
Total	0	0	0	0	54	143	64	0	0	0	0	0	38	191	71	0	561

TEI ENGINEERS AND PLANNERS
300 PRIMERA BOULEVARD, SUITE 200
LAKE MARY, FLORIDA
TEL: (407) 805-0355

File Name : I4OSCEOLA
 Site Code : 00000000
 Start Date : 11/05/2002
 Page No : 2

Groups Printed- TRUCKS

Start Time	N/A Southbound				I-4 WB Westbound				N/A Northbound				I-4 EB Eastbound				Int. Total
	Right	Thru	Left	Uturn	Lane 1 out	Lane 2 mid	Lane 3 in	Uturn	Right	Thru	Left	Uturn	Lane 2 mid	Lane 3 mid	Lane 4 in	Lane 1 out	
15:00	0	0	0	0	11	38	10	0	0	0	0	0	20	40	18	0	137
15:15	0	0	0	0	13	42	14	0	0	0	0	0	12	35	16	0	132
15:30	0	0	0	0	13	27	12	0	0	0	0	0	16	37	13	0	118
15:45	0	0	0	0	9	27	4	0	0	0	0	0	13	36	15	1	105
Total	0	0	0	0	46	134	40	0	0	0	0	0	61	148	62	1	492
16:00	0	0	0	0	12	18	13	0	0	0	0	0	16	25	15	0	99
16:15	0	0	0	0	6	11	9	0	0	0	0	0	8	25	19	0	78
16:30	0	0	0	0	4	15	16	0	0	0	0	0	13	27	27	0	102
16:45	0	0	0	0	3	14	10	0	0	0	0	0	10	33	10	1	81
Total	0	0	0	0	25	58	48	0	0	0	0	0	47	110	71	1	360
17:00	0	0	0	0	1	19	10	0	0	0	0	0	6	30	17	1	84
17:15	0	0	0	0	5	10	7	0	0	0	0	0	4	20	12	0	58
17:30	0	0	0	0	2	9	5	0	0	0	0	0	9	14	11	0	50
17:45	0	0	0	0	5	13	2	0	0	0	0	0	6	16	13	0	55
Total	0	0	0	0	13	51	24	0	0	0	0	0	25	80	53	1	247
Grand Total	0	0	0	0	707	1585	537	0	0	0	0	0	594	1745	878	27	6073
Apprch %	0.0	0.0	0.0	0.0	25.0	56.0	19.0	0.0	0.0	0.0	0.0	0.0	18.3	53.8	27.1	0.8	
Total %	0.0	0.0	0.0	0.0	11.6	26.1	8.8	0.0	0.0	0.0	0.0	0.0	9.8	28.7	14.5	0.4	

	N/A Southbound					I-4 WB Westbound					N/A Northbound					I-4 EB Eastbound					
Start Time	Right	Thru	Left	Uturn	App. Total	Lane 1 out	Lane 2 mid	Lane 3 in	Uturn	App. Total	Right	Thru	Left	Uturn	App. Total	Lane 2 mid	Lane 3 mid	Lane 4 in	Lane 1 out	App. Total	Int. Total
Peak Hour From 06:00 to 17:45 - Peak 1 of 1																					
Intersection 11:15																					
Volume	0	0	0	0	0	79	190	49	0	318	0	0	0	0	0	50	171	86	0	307	625
Percent	0.0	0.0	0.0	0.0		24.8	59.7	15.4	0.0		0.0	0.0	0.0	0.0		16.3	55.7	28.0	0.0		
Volume	0	0	0	0	0	79	190	49	0	318	0	0	0	0	0	50	171	86	0	307	625
Volume	0	0	0	0	0	17	61	16	0	94	0	0	0	0	0	10	38	22	0	70	164
Peak Factor																					0.953
High Int. 5:45:00 AM						11:45					5:45:00 AM					12:00					
Volume	0	0	0	0	0	17	61	16	0	94	0	0	0	0	0	15	45	21	0	81	
Peak Factor						0.846										0.948					

Peak Hour From 06:00 to 17:45 - Peak 1 of 1

By Approach	06:00					11:00					06:00					12:45					
Volume	0	0	0	0	0	76	199	45	0	320	0	0	0	0	0	63	166	97	4	330	
Percent	-	-	-	-	-	23.8	62.2	14.1	0.0		-	-	-	-	-	19.1	50.3	29.4	1.2		
High Int.						11:45										12:45					
Volume	-	-	-	-	-	17	61	16	0	94	-	-	-	-	-	14	48	22	1	85	
Peak Factor						0.851										0.971					

TEI ENGINEERS AND PLANNERS

I-4 TRUCK STUDY

Volume Report with 24 Hour Totals

Page 1

Data File : D1105004.PRN
 Station : 000000000211
 Identification : 000000000004
 Start date : Nov 5, 02
 Stop date : Nov 5, 02
 City/Town :
 Location : I-4 AT OSCEOLA PARKWAY
 Interval : 15 minutes
 Start time : 00:00
 Stop time : 24:00
 County : OSCEOLA

Nov 5 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	87	75	74	63	121	170	500	603	701	664	755	695
30	86	98	40	94	131	230	560	665	705	823	723	701
45	93	60	69	80	161	244	579	668	705	738	747	690
00	90	65	55	68	154	404	540	654	780	752	693	654

Hr Total	356	298	238	305	567	1048	2179	2590	2891	2977	2918	2740
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End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	618	591	638	671	586	701	592	486	392	283	244	197
30	617	672	619	616	648	644	565	443	370	259	240	161
45	593	594	612	737	810	687	545	418	336	231	209	151
00	531	599	633	658	715	601	472	394	311	204	207	132

Hr Total	2359	2456	2502	2682	2759	2633	2174	1741	1409	977	900	641
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24 Hour Total : 42340

AM peak hour begins : 09:15 AM peak volume : 3068 Peak hour factor : 0.93

PM peak hour begins : 16:15 PM peak volume : 2874 Peak hour factor : 0.89

Nov 5 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	203	147	130	148	138	193	441	536	737	845	698	638
30	173	155	117	101	131	254	551	637	874	784	705	715
45	180	112	127	133	184	292	752	684	771	731	655	658
00	128	132	117	125	181	332	640	741	751	709	692	655

Hr Total	684	546	491	507	634	1071	2384	2598	3133	3069	2750	2666
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End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	643	665	748	825	892	956	851	564	460	408	473	297
30	584	586	722	857	708	922	694	519	460	474	435	273
45	676	627	767	870	804	855	701	486	445	644	390	251
00	584	665	746	820	935	838	661	465	396	526	297	0

Hr Total	2487	2543	2983	3372	3339	3571	2907	2034	1761	2052	1595	821
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24 Hour Total : 49998

AM peak hour begins : 08:15 AM peak volume : 3241 Peak hour factor : 0.93

PM peak hour begins : 16:45 PM peak volume : 3668 Peak hour factor : 0.96

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I-4 TRUCK STUDY

Volume Report with 24 Hour Totals

Page 2

Data File : D1105004.PRN
 Station : 000000000211
 Identification : 000000000004
 Start date : Nov 5, 02
 Stop date : Nov 5, 02
 City/Town :
 Location : I-4 AT OSCEOLA PARKWAY
 Interval : 15 minutes
 Start time : 00:00
 Stop time : 24:00
 County : OSCEOLA

Nov 5 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	290	222	204	211	259	363	941	1139	1438	1509	1453	1333
30	259	253	157	195	262	484	1111	1302	1579	1607	1428	1416
45	273	172	196	213	345	536	1331	1352	1476	1469	1402	1348
00	218	197	172	193	335	736	1180	1395	1531	1461	1385	1309
Hr Total	1040	844	729	812	1201	2119	4563	5188	6024	6046	5668	5406

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	1261	1256	1386	1496	1478	1657	1443	1050	852	691	717	494
30	1201	1258	1341	1473	1356	1566	1259	962	830	733	675	434
45	1269	1221	1379	1607	1614	1542	1246	904	781	875	599	402
00	1115	1264	1379	1478	1650	1439	1133	859	707	730	504	132
Hr Total	4846	4999	5485	6054	6098	6204	5081	3775	3170	3029	2495	1462

24 Hour Total : 92338

AM peak hour begins : 08:30

AM peak volume : 6123

Peak hour factor : 0.95

PM peak hour begins : 16:30

PM peak volume : 6487

Peak hour factor : 0.98
