FINAL

TRAFFIC ANALYSIS REPORT

STATE ROAD 52

FROM I-75 (SR 93) to E. of EMMAUS CEMETERY ROAD

Pasco Work Order Number: C 3623.00

WPI Segment Number: 408827 1

Prepared for:

Pasco County Engineering Services Department

Prepared by:

WilsonMiller, Inc.
15438 N. Florida Avenue
Suite 200
Tampa, Florida 33613

July 2005

In cooperation with the Florida Department of Transportation

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33871/33872/30972

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1.0 INTRODUCTION

This Traffic Analysis Report has been prepared as part of the Project Development and Environment (PD&E) Study for the proposed widening of State Road 52 (SR 52) from a two-lane rural section to a six-lane urban section. The project begins east of the Interstate 75 (I-75) interchange ramps and extends approximately 1.9 miles to the east, to the east of Emmaus Cemetery Road. The location of the project is provided in Figure 1.

The existing roadway is a two-lane undivided section as shown in Figure 2. The proposed geometry of the interim four-lane divided roadway is provided in Figure 3, while the geometry of the ultimate six-lane divided roadway is provided in Figure 4.

There are no traffic signals within the project corridor. The posted speed limit is 50 mph from I-75 through the project corridor. Pasco County is experiencing rapid suburban development and growth is expected to continue as the existing vacant land is developed. Pasco County's Future Land Use Map (2015) indicates that the corridor is classified as mixed use in the western portion of the project area and residential in the eastern portion of the project area. SR 52 provides east-west mobility for many uses along the corridor and provides a connection from the communities of San Antonio, St. Leo and Dade City to and from I-75.

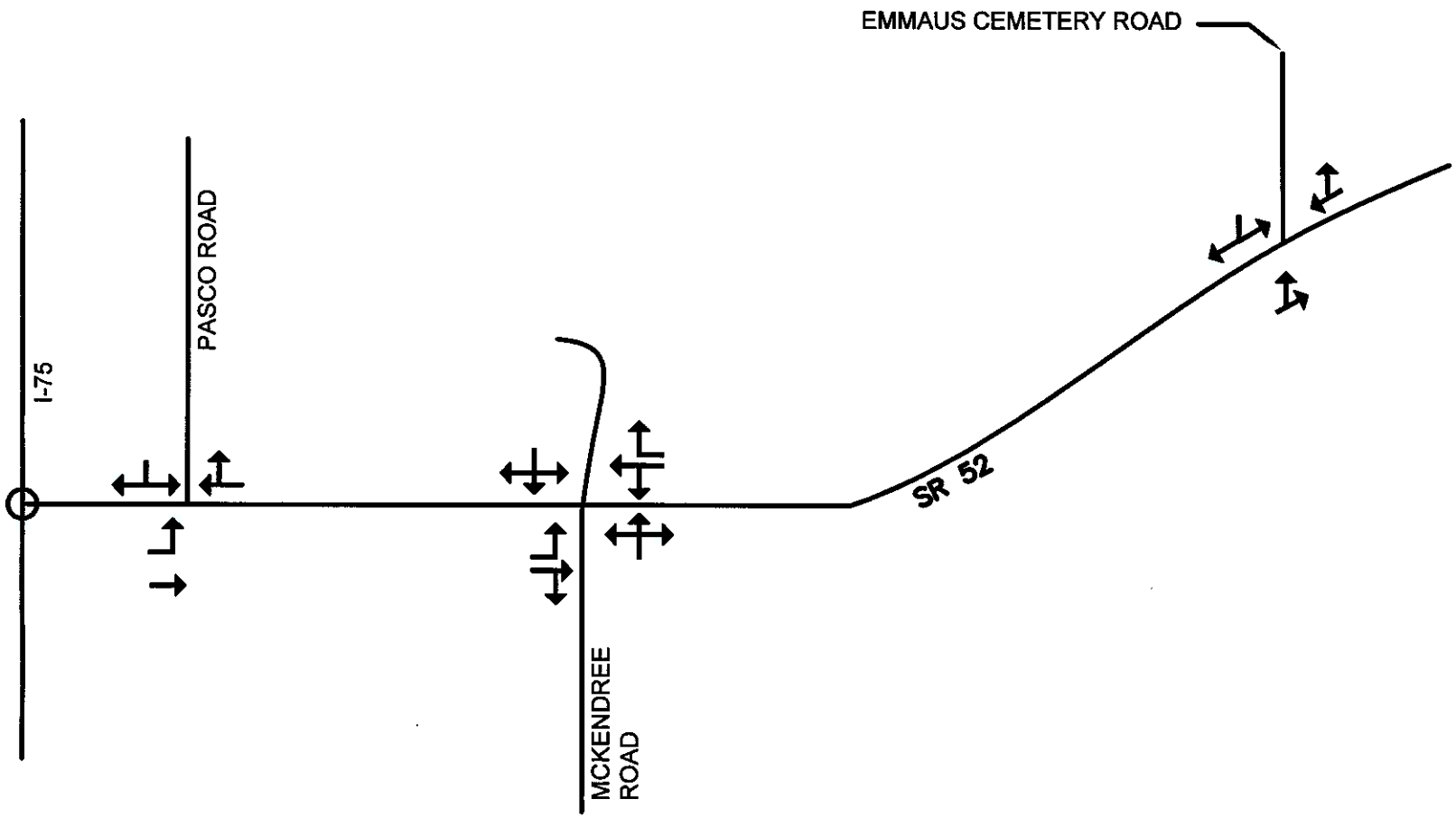
The Pasco County MPO's 2025 Transportation Plan (Cost Affordable Plan) indicates that SR 52, east of I-75, is planned to be a four-lane divided facility, while the Needs Assessment Plan indicates that this segment of SR 52 should be a six-lane divided facility. The traffic analysis was conducted to determine the need for improvements in order to provide an acceptable level of service on the road. The traffic analysis was based upon both AM and PM peak hour traffic conditions to the following analysis years: Existing Conditions – 2004; Opening Year – 2006; Interim Year – 2020; and Design Year - 2030.

STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
TO EAST OF EMMAUS CEMETERY ROAD
PASCO WORK ORDER NO. C3623.00
WPI SEGMENT NO. 408827 1

NOT TO SCALE

FIGURE 1
PROJECT LOCATION MAP

M:\LAbernethy\SR 52 exhibits\04080-001-X01.dwg, 07/07/2005 04:44:34 PM, TKanoza



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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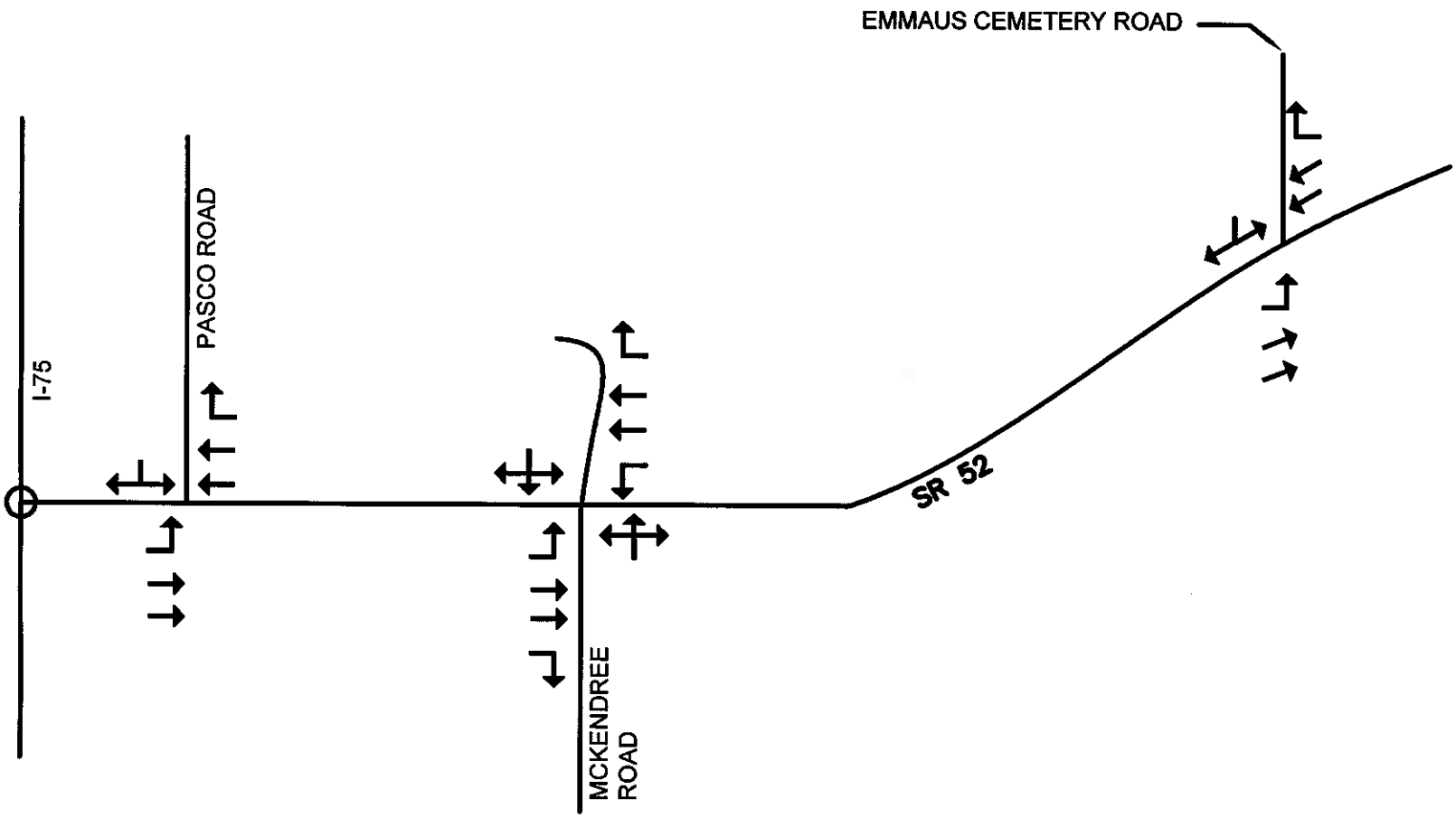
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
→ LANE GEOMETRY

TWO-LANE UN-DIVIDED
INTERSECTION
GEOMETRY

FIGURE 2



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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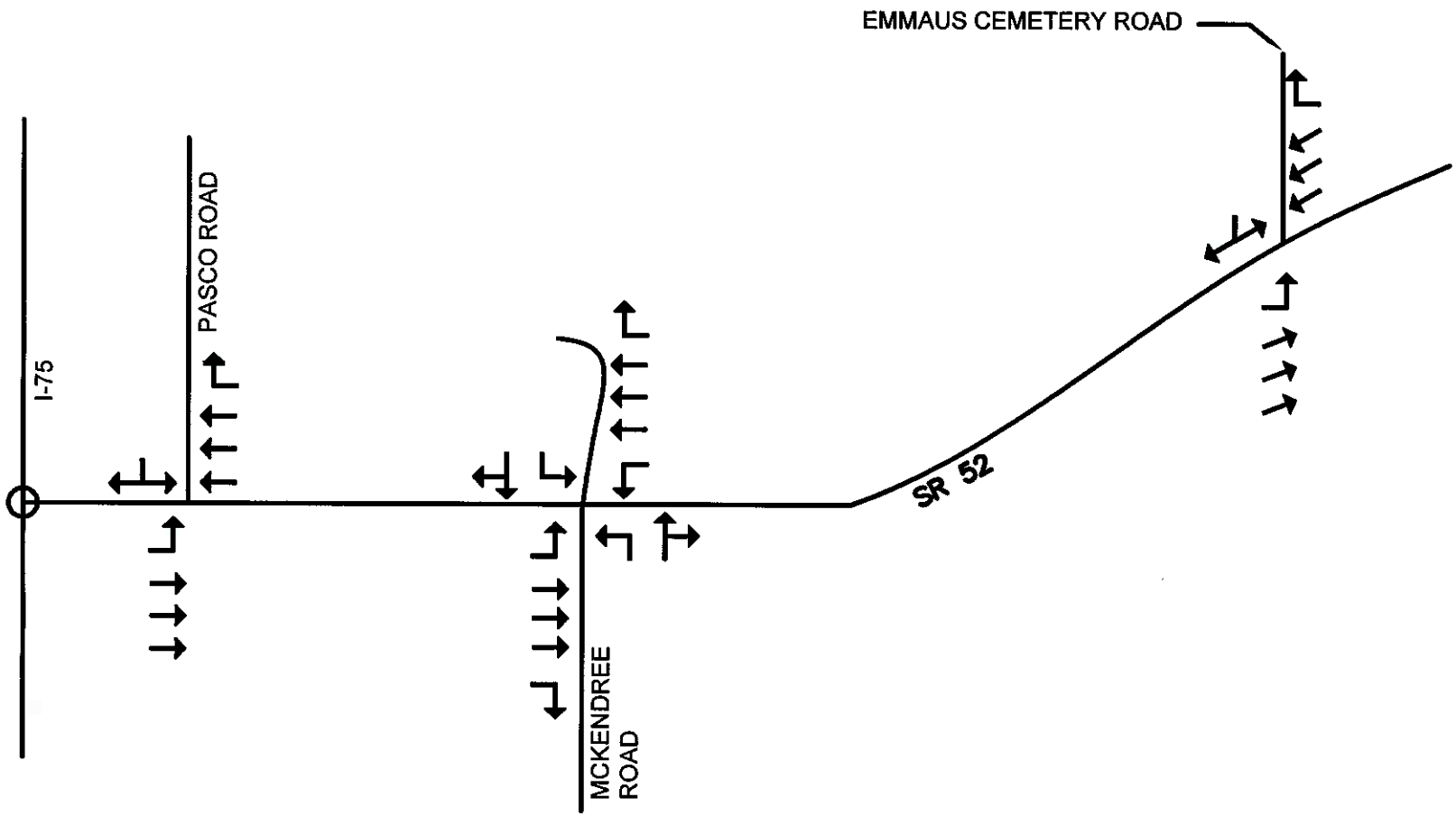
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
→ LANE GEOMETRY

FOUR-LANE DIVIDED INTERSECTION GEOMETRY

FIGURE 3



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
TO EAST OF EMMAUS CEMETERY ROAD
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WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
→ LANE GEOMETRY

SIX-LANE DIVIDED INTERSECTION GEOMETRY

FIGURE 4

2.0 EXISTING TRAFFIC VOLUMES

Roadway machine counts were conducted for a 72-hour (three day) continuous time period on SR 52 at three different locations starting on Tuesday, October 19, 2004 and ending on Thursday, October 21, 2004, for the following roadway segments:

- SR 52 between I-75 and McKendree Road
- SR 52 between McKendree Road and Emmaus Cemetery Road
- SR 52 to the east of Emmaus Cemetery Road.

The roadway machine counts at each location were averaged together and adjusted using the Peak Season Factor Category Report of 0.97 and the Weekly Axle Factor Category Report of 0.98 from the Florida Department of Transportation's 2003 Florida Traffic Information CD. Figure 5 provides the 2004 Average Annual Daily Traffic (AADT) Conditions on these segments of SR 52.

The 72-hour machine counts, the Pasco County Peak Season Factor Category Report, and the Weekly Axle Factory Category Report are provided in Appendix A, B and C respectively.

Peak hour traffic volumes were established by applying the K-30 and D-30 (directional distribution) to the 2004 AADT traffic volumes. The FTI 2003 CD provided a K^{30} Factor of 9.32 and a D^{30} of 56.84 for SR 52, east of I-75. Figure 6 provides the 2004 peak hour directional traffic volumes on SR 52.

In addition to the 72-hour machine counts, turning movement counts were conducted on the AM (7:00 AM to 9:00 AM) and PM (4:00 PM to 6:00 PM) peak hours on Wednesday, October 20, 2004 and Thursday, October 21, 2004 at the un-signalized intersections at Pasco Road, McKendree Road and Emmaus Cemetery Road.

The percentage of turning movements for both the AM and PM turning movement counts were applied to the PM peak traffic volumes from Figure 6. Figure 7 provides the 2004 PM peak hour traffic conditions based upon the PM peak hour turning movement counts. Figure 8 provides the 2004 AM peak hour traffic conditions based upon the AM peak hour turning movement counts. Copies of the PM and AM peak hour turning movement counts are provided in Appendix D.

3.0 TRAFFIC VOLUME PROJECTIONS

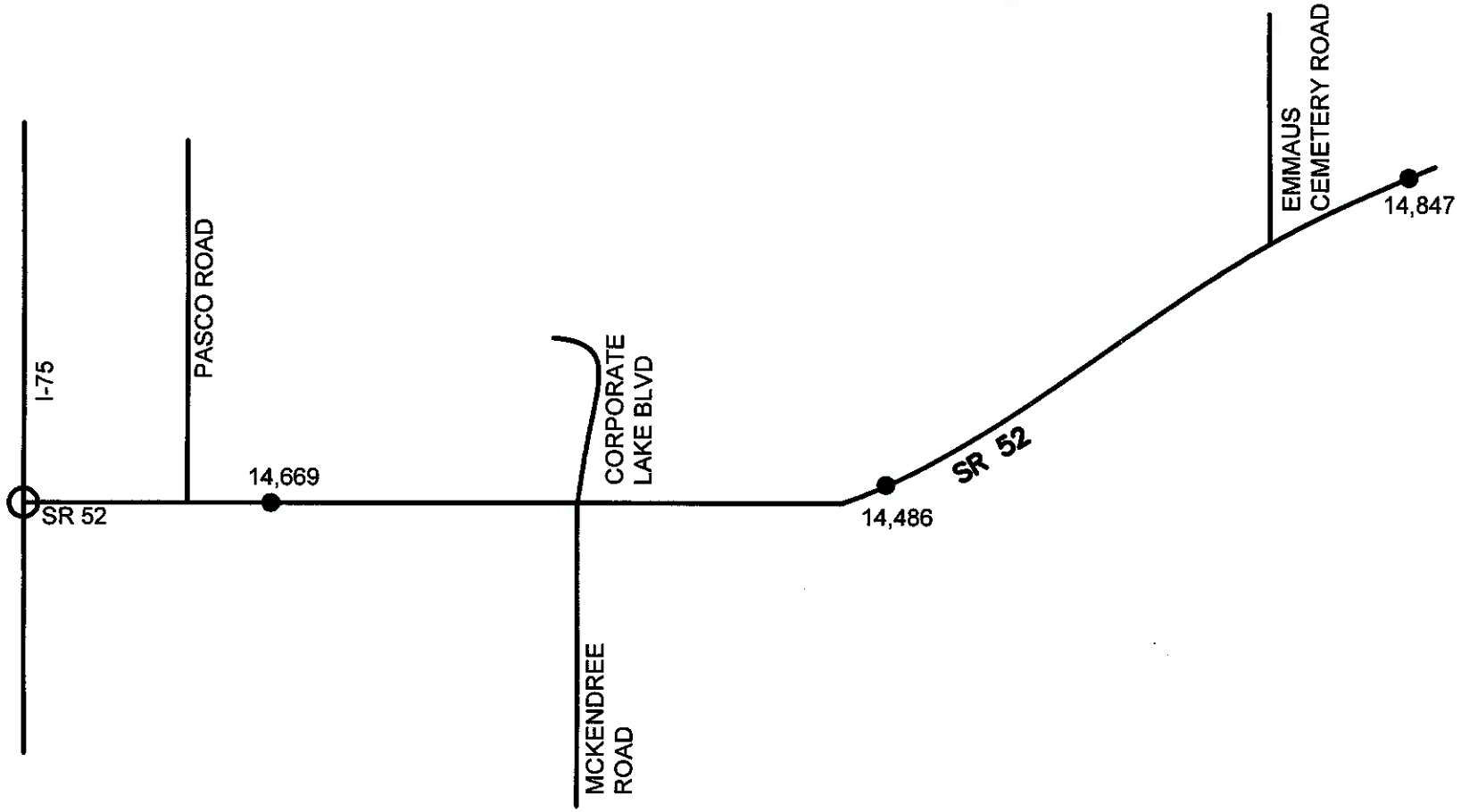
The Florida Department of Transportation, District VII, Systems Planning Office, provided future traffic conditions on this segment of SR 52. The 2025 socioeconomic data for the Tampa Bay Regional Planning Model (version 5.0)/FSUTMS was adjusted by the Systems Planning Office to ensure that the 2,564 dwelling units and the 1,564 employees associated with the Cannon Ranch DRI development project were incorporated into the 2025 socioeconomic data sets. Appendix E contains the traffic volumes projections provided by the Systems Planning Office.

The Final Route Study Report for the Clinton Avenue Extension prepared for the Pasco County Engineering Services Department by Reynolds, Smith & Hills, provides additional information on the extension of Clinton Avenue.

For this analysis, the Clinton Avenue forecasted traffic volumes were added to the SR 52 volumes for the eastern most segment of SR 52.

To obtain the peak hour traffic volume projections for years 2006, 2020 and 2030, the daily traffic volume projections provided by the Systems Planning Office were multiplied by the K^{30} factor (9.32) and D30 factor (56.84). The percentage of turning movements for both the AM and PM turning movement counts were applied to the appropriate peak traffic volumes forecast.

Figures 9 through 14 provide the PM peak hour and AM peak hour traffic volumes for years 2006, 2020 and 2030.



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
TO EAST OF EMMAUS CEMETERY ROAD
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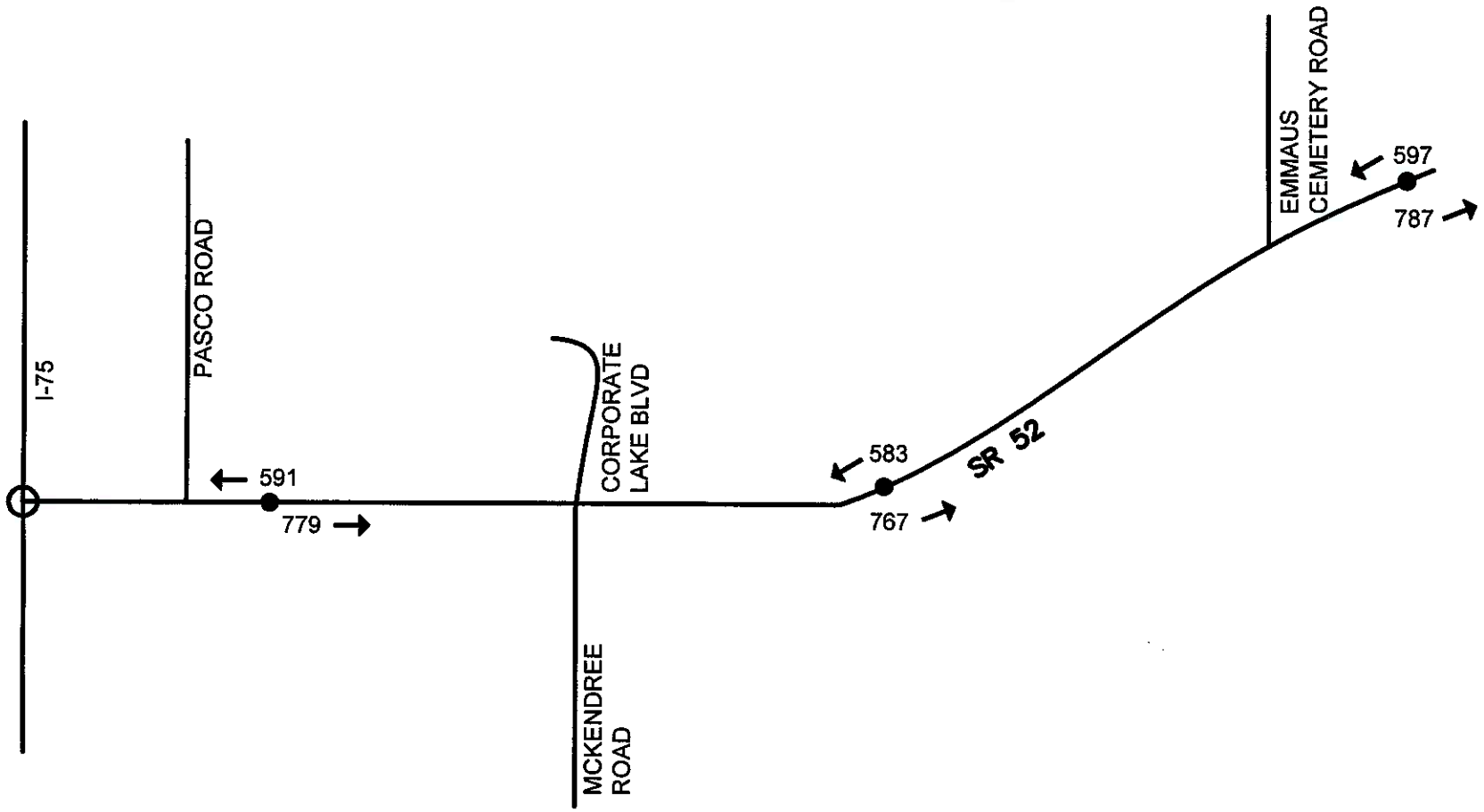
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
14,782 - 2004
DAILY TRAFFIC VOLUMES

2004 AVERAGE ANNUAL
DAILY TRAFFIC VOLUMES

FIGURE 5



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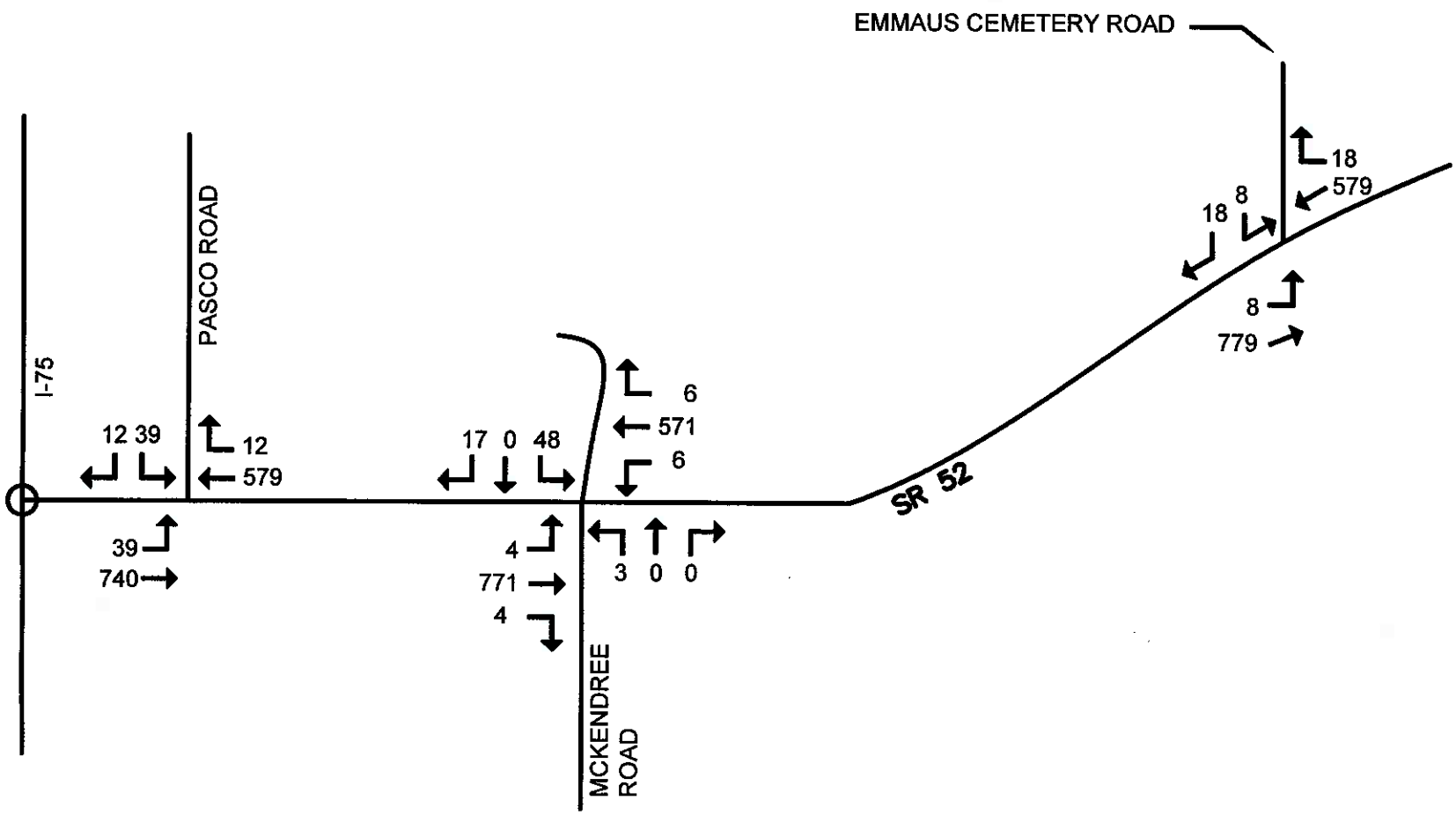
NOT TO SCALE

LEGEND
772 - 2004
PEAK HOUR TRAFFIC
VOLUMES

2004 PEAK HOUR
TRAFFIC VOLUMES

FIGURE 6



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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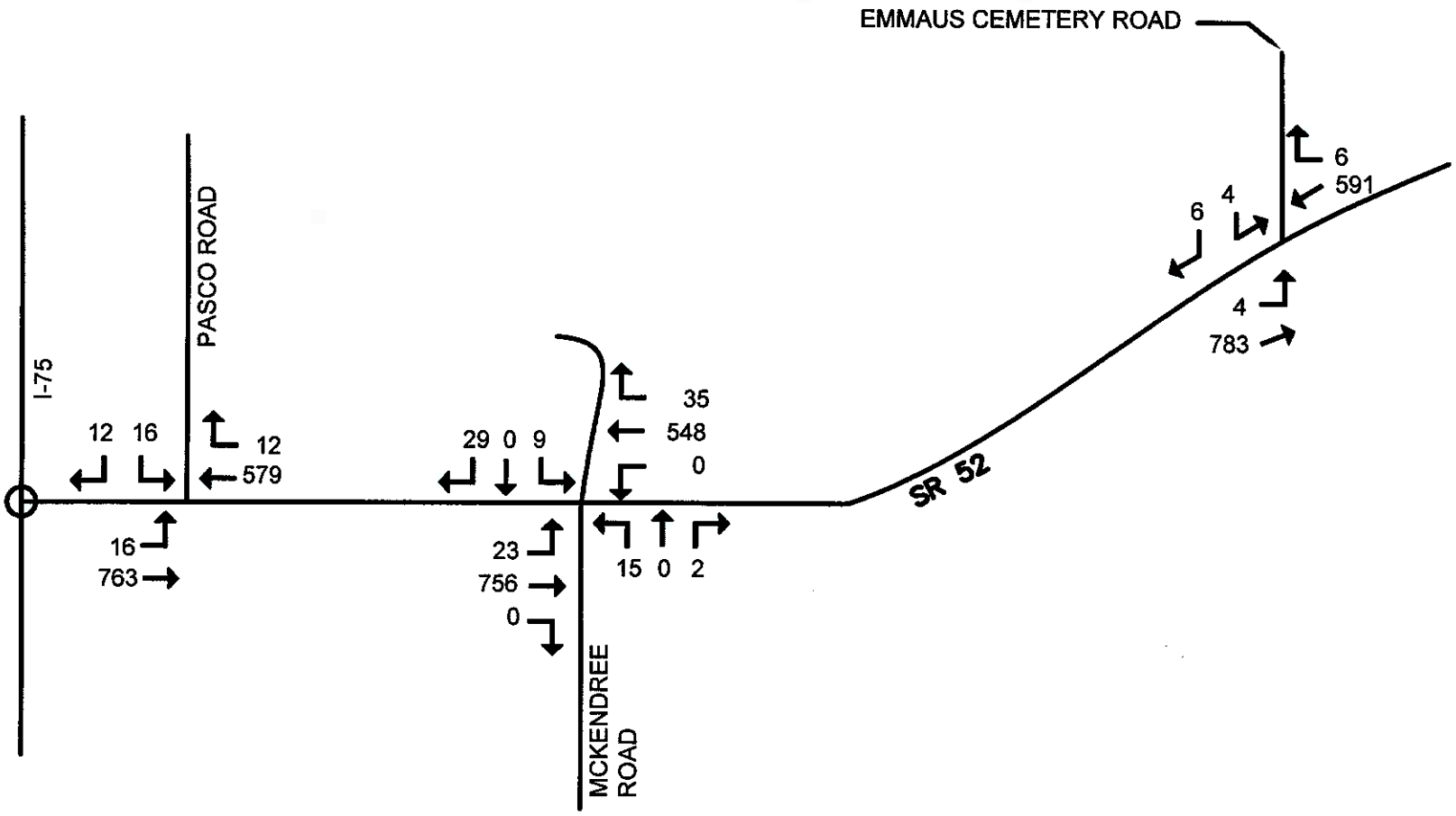
NOT TO SCALE

LEGEND
772 - 2004
PEAK HOUR TRAFFIC
VOLUMES

2004 PM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 7



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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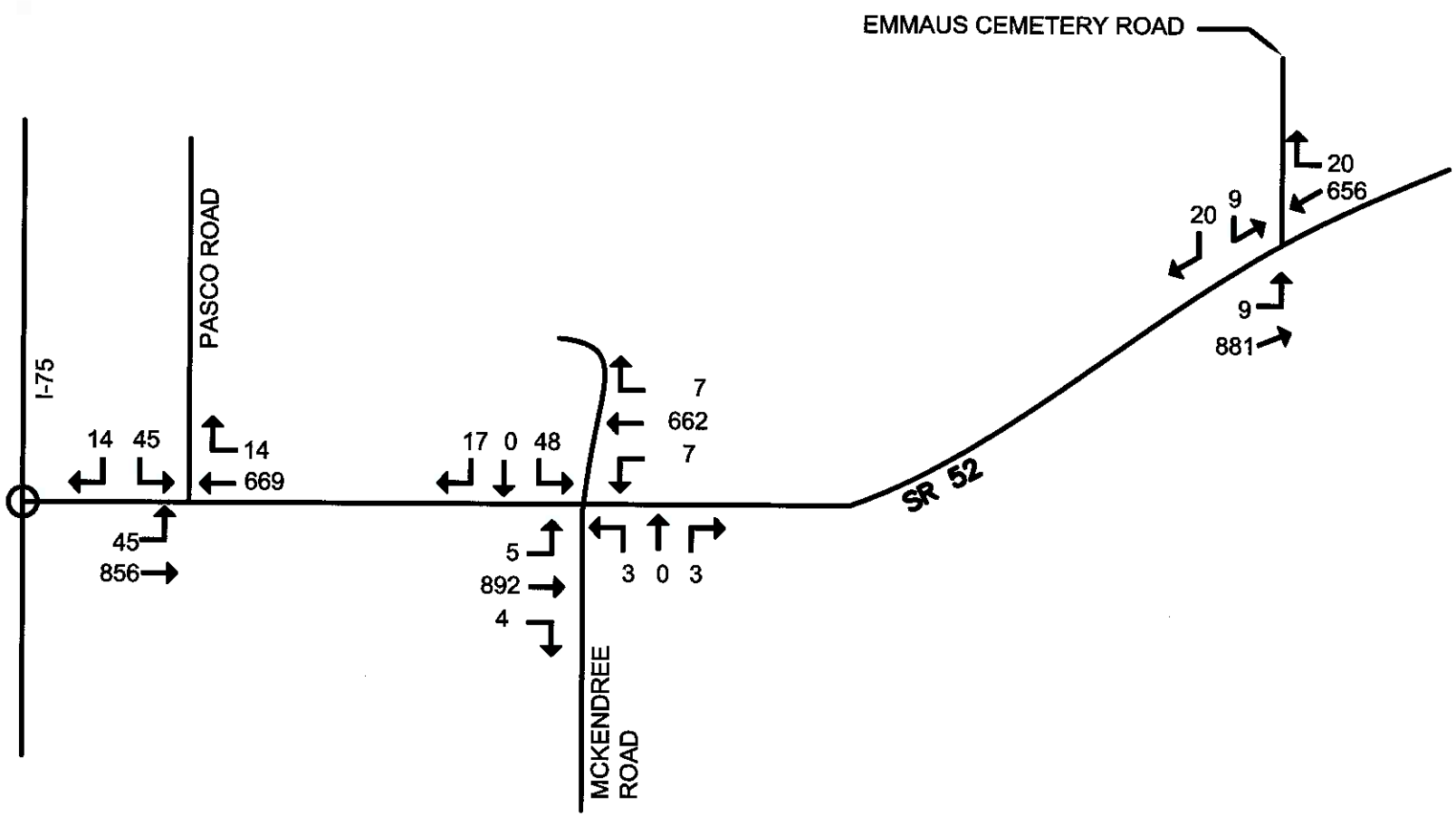
NOT TO SCALE

LEGEND
768 - 2004
PEAK HOUR TRAFFIC
VOLUMES

2004 AM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 8



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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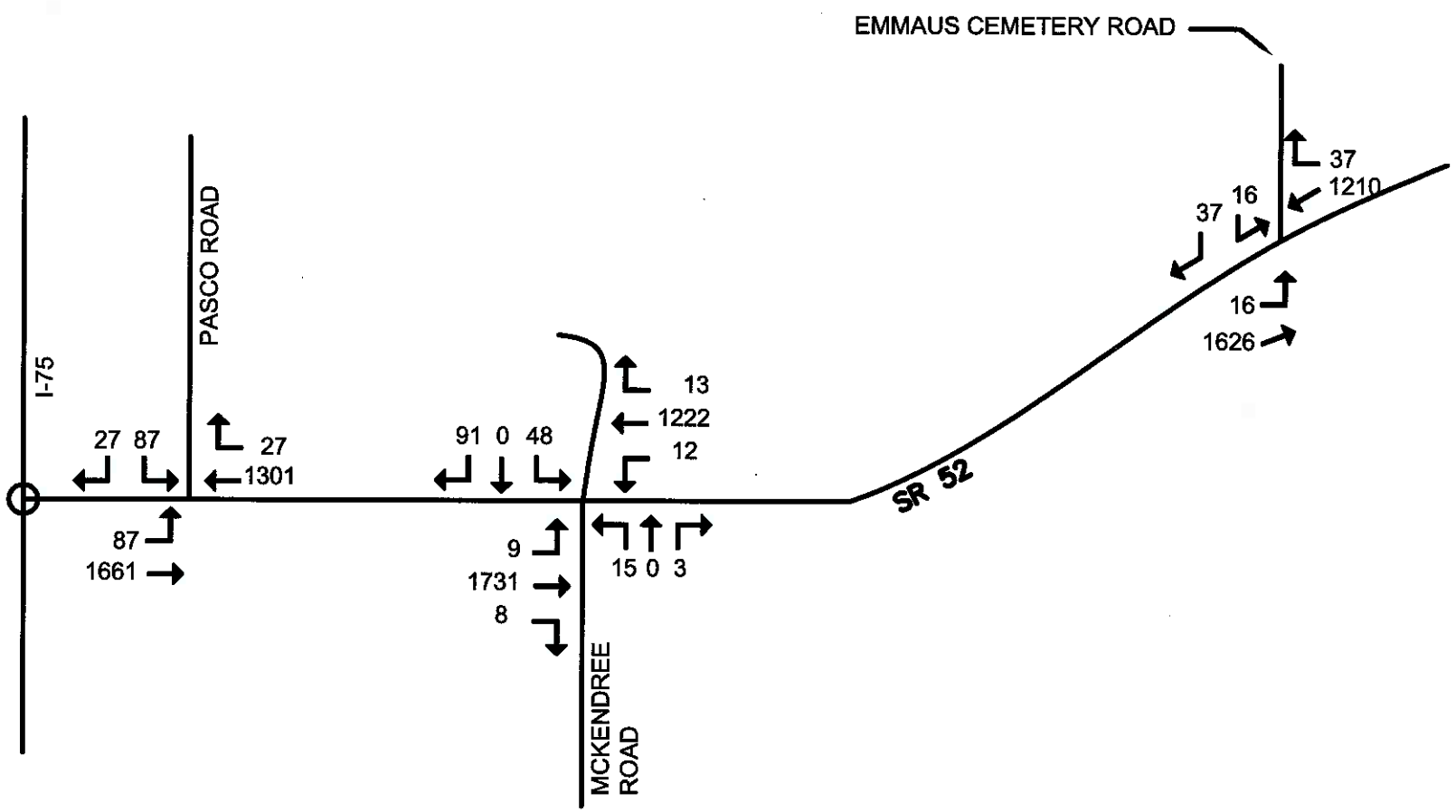
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
798 - 2006
PM PEAK HOUR TRAFFIC
VOLUMES

2006 PM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 9



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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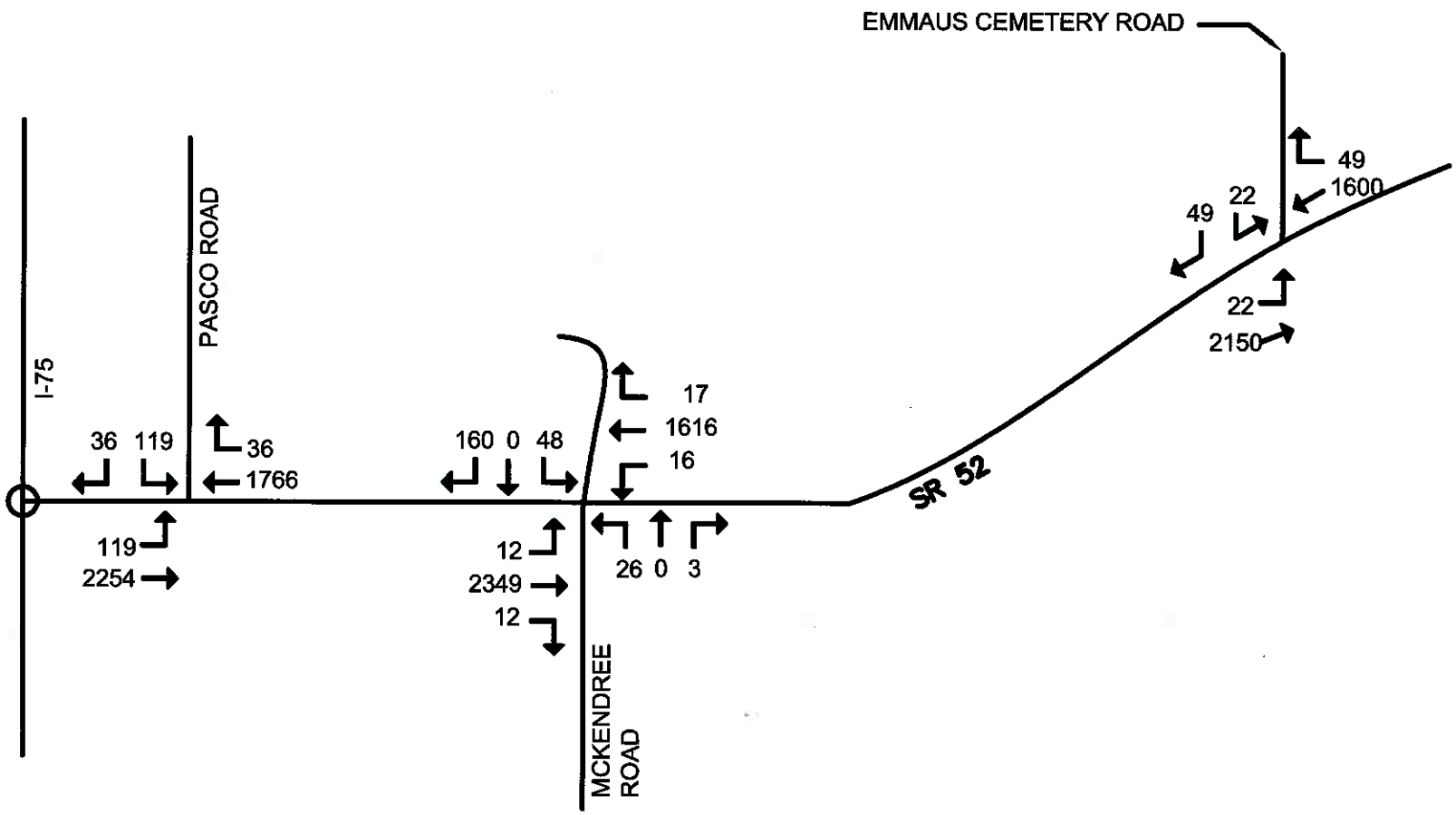
NOT TO SCALE

LEGEND
1003 - 2020
PM PEAK HOUR TRAFFIC
VOLUMES

2020 PM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 10



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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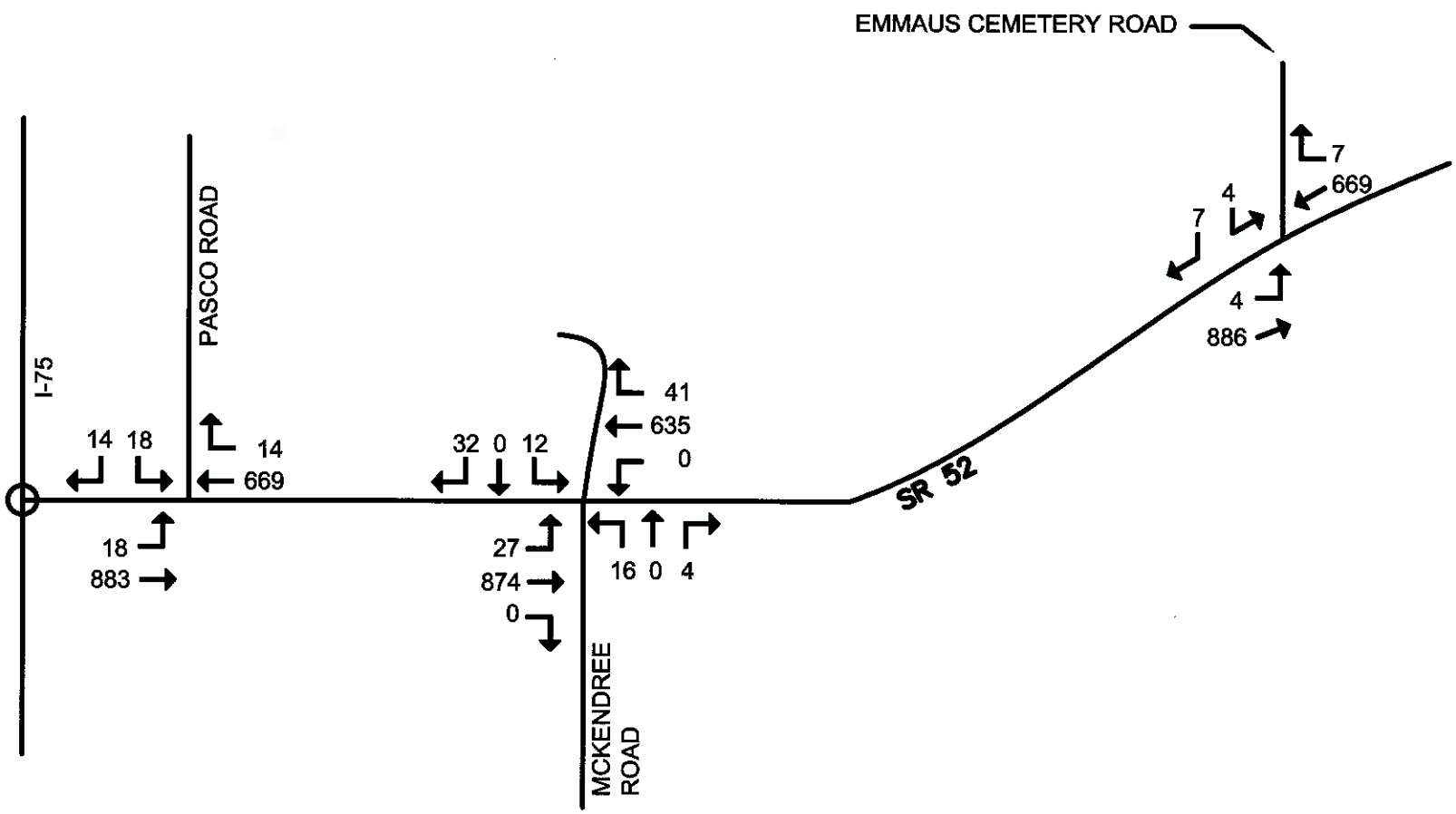
NOT TO SCALE

LEGEND
1201 - 2030
PM PEAK HOUR TRAFFIC
VOLUMES

2030 PM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 11



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
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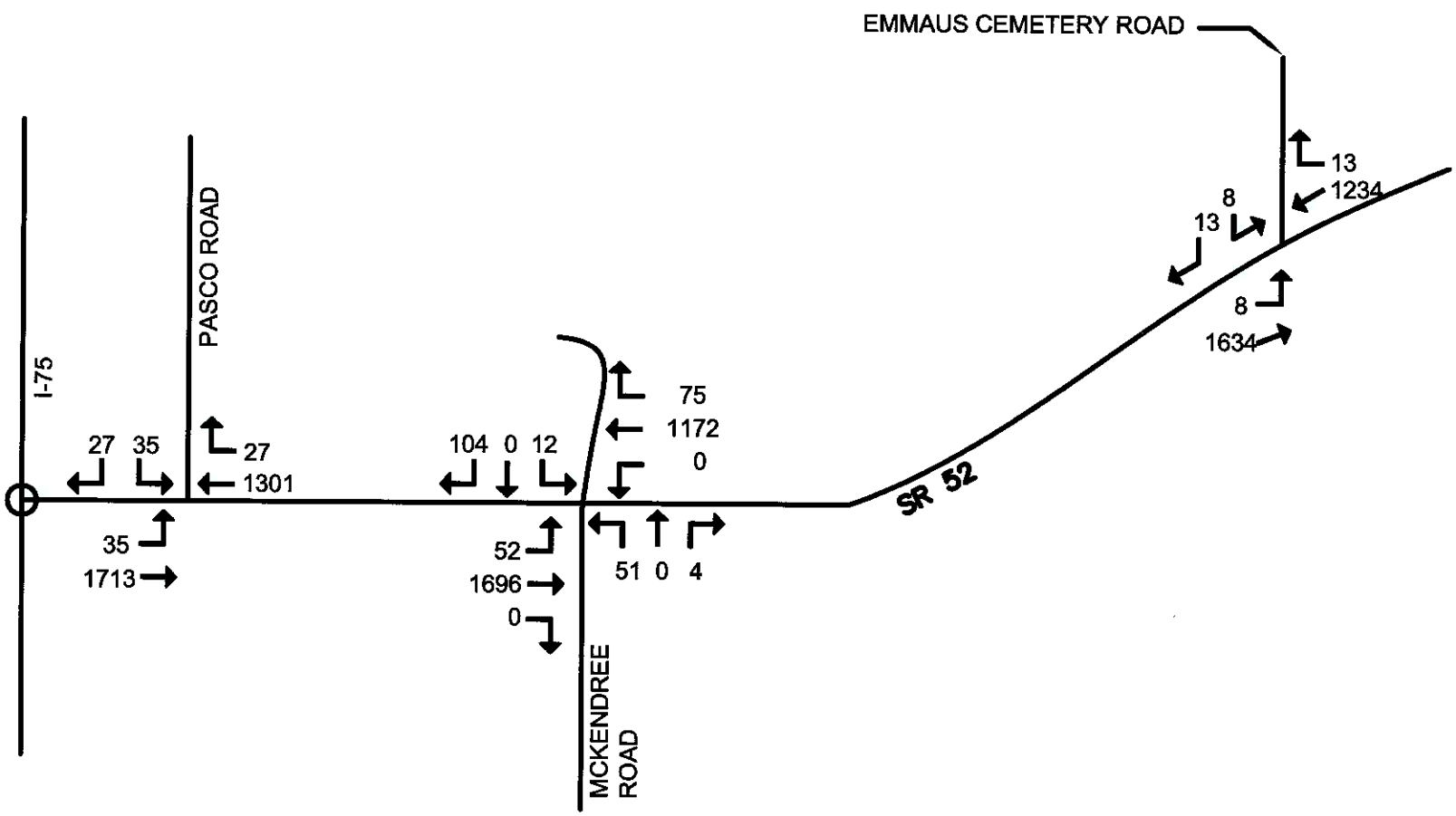
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
802 - 2006
AM PEAK HOUR TRAFFIC
VOLUMES

2006 AM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 12



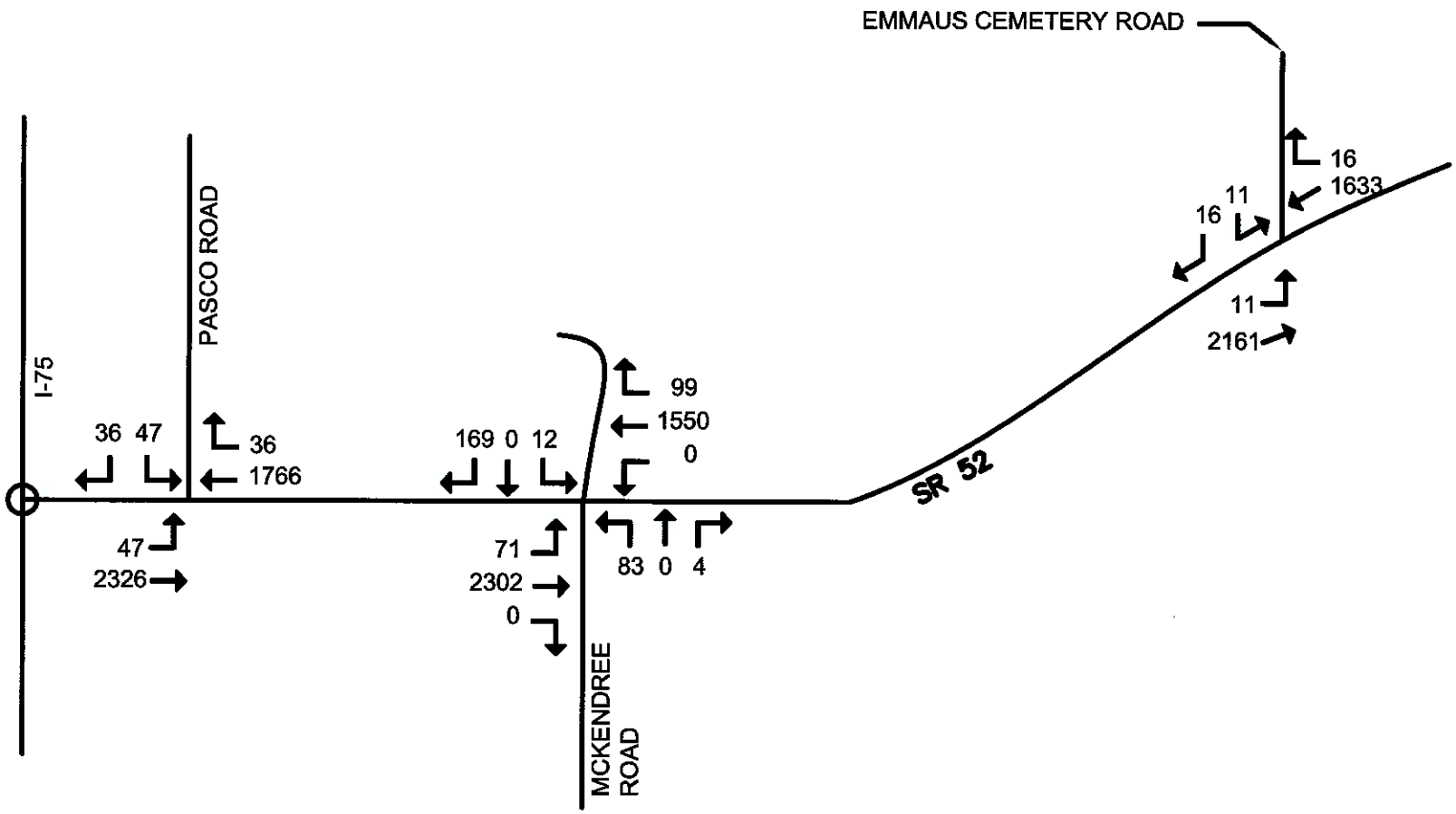
STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
TO EAST OF EMMAUS CEMETERY ROAD
PASCO WORK ORDER NO. C-3623.00
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
1038 - 2020
AM PEAK HOUR TRAFFIC
VOLUMES

2020 AM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 13



STATE ROAD 52 PD&E STUDY FROM I-75 (SR 93)
TO EAST OF EMMAUS CEMETERY ROAD
PASCO WORK ORDER NO. C-3623.00
WPI SEGMENT NO. 408827 1

NOT TO SCALE

LEGEND
1207 - 2030
AM PEAK HOUR TRAFFIC
VOLUMES

2030 AM PEAK HOUR
TRAFFIC VOLUMES

FIGURE 14

4.0 ROADWAY LEVEL OF SERVICE

An analysis of the roadway link segments for SR 52 was conducted using the generalized service volumes from the 2002 Quality/Level of Service Handbook (Table 4-8, Areas Transitioning into Urbanized Areas, Class I). A copy of Table 4-8 from the Level of Service Handbook is provided in Appendix F. According to the Pasco County Comprehensive Plan, Transportation Element, the level of service (LOS) standard is "D" for the segment of SR 52, east of I-75.

Table 1 provides an analysis of the 2004 roadway peak hour traffic conditions using the generalized service volumes. Table 1 demonstrates that SR 52 currently meets the LOS Standard of "D" as a two-lane undivided roadway during the 2004 peak hour.

Table 1
2004 Peak Hour Directional Traffic Conditions

Roadway Link	Existing Geometry	Service Volume[1]	LOS Standard	2004 PM Traffic Volumes		LOS	
				NB/EB	SB/ WB	NB/EB	SB/ WB
SR 52							
I-75 to Pasco Rd	2LU	820	D	779	591	D	C
Pasco to McKendree	2LU	820	D	779	591	D	C
McKendree to Emmaus	2LU	820	D	767	583	D	C
East of Emmaus	2LU	820	D	787	597	D	C

1 FDOT 2002 Quality/LOS Handbook – Table 4-8

Table 2 provides an analysis of the 2006 peak hour traffic conditions using the generalized service volumes with SR 52 as a four-lane divided facility. As depicted in Table 2, all segments of SR 52 will meet the LOS Standard as a four-lane divided roadway during the 2006 peak hour.

Table 2
2006 Peak Hour Directional Traffic Conditions

Roadway Link	Geometry	Service Volume[1]	LOS Standard	2006 PM Traffic Volumes		LOS	
				NB/EB	SB/ WB	NB/EB	SB/ WB
SR 52							
I-75 to Pasco Rd	4LD	1810	D	901	683	B	B
Pasco to McKendree	4LD	1810	D	901	683	B	B
McKendree to Emmaus	4LD	1810	D	890	676	B	B
East of Emmaus	4LD	1810	D	890	676	B	B

1 FDOT 2002 Quality/LOS Handbook – Table 4-8

Table 3 provides an analysis of the roadway 2020 peak hour traffic conditions using the generalized service volumes. Table 3 shows that all segments of SR 52 will meet the LOS Standard as a four-lane divided roadway during the 2020 peak hour.

Table 3
2020 Peak Hour Directional Traffic Conditions

Roadway Link	Geometry	Service Volume[1]	LOS Standard	2020 PM Traffic Volumes		LOS	
				NB/EB	SB/ WB	NB/EB	SB/ WB
SR 52							
I-75 to Pasco Rd	4LD	1810	D	1,748	1,328	D	B
Pasco to McKendree	4LD	1810	D	1,748	1,328	D	B
McKendree to Emmaus	4LD	1810	D	1,642	1,247	C	B
East of Emmaus	4LD	1810	D	1,642	1,247	C	B

1 FDOT 2002 Quality/LOS Handbook – Table 4-8

Table 4 provides an analysis of the roadway 2030 peak hour traffic conditions using the generalized service volumes. Table 4 indicates SR 52 does not meet the LOS Standard as a four-lane divided roadway for the 2030 peak hour.

Table 4
2030 Peak Hour Directional Traffic Conditions: 4-Lane

Roadway Link	Geometry	Service Volume[1]	LOS Standard	2030 PM Traffic Volumes		LOS	
				NB/EB	SB/ WB	NB/EB	SB/ WB
SR 52							
I-75 to Pasco Rd	4LD	1810	D	2,373	1,802	F	D
Pasco to McKendree	4LD	1810	D	2,373	1,802	F	D
McKendree to Emmaus	4LD	1810	D	2,172	1,649	F	C
East of Emmaus	4LD	1810	D	2,172	1,649	F	C

1 FDOT 2002 Quality/LOS Handbook – Table 4-8

Table 5 provides an analysis of the roadway 2030 peak hour traffic conditions using the generalized service volumes for a six-lane divided roadway. Table 5 indicates that SR 52 will meet the LOS Standard as a six-lane divided roadway for the 2030 peak hour.

Table 5
2030 Peak Hour Directional Traffic Conditions: 6-Lane

Roadway Link	Geometry	Service Volume[1]	LOS Standard	2030 PM Traffic Volumes		LOS	
				NB/EB	SB/ WB	NB/EB	SB/ WB
SR 52							
I-75 to Pasco Rd	6LD	2710	D	2,373	1,802	C	B
Pasco to McKendree	6LD	2710	D	2,373	1,802	C	B
McKendree to Emmaus	6LD	2710	D	2,172	1,649	B	B
East of Emmaus	6LD	2710	D	2,172	1,649	B	B

1 FDOT 2002 Quality/LOS Handbook – Table 4-8

5.0 INTERSECTION LEVEL OF SERVICE

An analysis of the previously identified intersections on SR 52 was conducted using procedures from the 2000 Highway Capacity Manual (HCM) and Highway Capacity Software (HCS) for the AM and PM peak hours. Copies of the HCS analysis summary sheets are provided in Appendix G.

Table 6 provides the results of the un-signalized HCS analysis for the PM peak hour for the years 2004, 2006, 2020 and 2030. The PM peak hour un-signalized HCS analysis used the traffic volumes from Figure 7 (2004), Figure 9 (2006), Figure 10 (2020) and Figure 11 (2030). SR 52 was analyzed as a two-lane undivided roadway for the year 2004 and as a four-lane divided facility for the years 2006, 2020 and 2030 in this un-signalized analysis.

Table 6
PM HCS Un-Signalized Intersection Analysis

Intersection	2004 LOS	2006 LOS	2020 LOS	2030 LOS
SR 52 / Pasco Rd	EB Approach - A SB Approach - F	EB Left – B SB Approach - C	EB Left – C SB Approach - F	EB Left – E SB Approach - F
SR 52 /McKendree	EB Left – B WB Left - B NB Approach - E SB Approach - F	EB Left – B WB Left - B NB Approach - C SB Approach - C	EB Left – C WB Left - C NB Approach - F SB Approach - E	EB Left – D WB Left - D NB Approach - F SB Approach – F
SR 52 / Emmaus Cemetery Rd	EB Left - B SB Approach - C	EB Left - B SB Approach - B	EB Left - D SB Approach - C	EB Left - F SB Approach - E

The results of the PM peak hour HCS un-signalized analysis indicates that the eastbound and westbound movements on SR 52 will operate at an acceptable LOS for the years 2004, 2006 and 2020. For the year 2030, the eastbound and westbound movements on SR 52 do not operate at an acceptable LOS as a four-lane divided facility at the intersections of SR 52/ Pasco Road and SR 52/Emmaus Cemetery Road.

Table 7 provides the results of the signalized HCS analysis for the year 2030 for the intersections of SR 52/Pasco Road and SR 52/Emmaus Cemetery Road.

Table 7
PM HCS Signalized Intersection Analysis

Intersection	2020 LOS	2030 LOS
SR 52 / Pasco Rd	A	A
SR 52 / McKendree	A	A
SR 52 / Emmaus Cemetery Rd	-	A

Table 8 provides the results of the HCS for the AM peak hour for the years 2004, 2006, 2020 and 2030. The AM peak hour HCS analysis used the traffic volumes from Figure 8 (2004), Figure 12 (2006), Figure 13 (2020) and Figure 14 (2030). SR 52 was analyzed as a two-lane undivided roadway for the year 2004 and as a four-lane divided facility for the years 2006, 2020 and 2030.

Table 8
AM HCS Un-Signalized Intersection Analysis

Intersection	2004	2006	2020	2030
SR 52 / Pasco Rd	EB Approach - A SB Approach - F	EB Left - B SB Approach - D	EB Left - C SB Approach - F	EB Left - E SB Approach – F
SR 52 /McKendree	EB Left – A WB Left - A NB Approach - F SB Approach - C	EB Left – A WB Left - B NB Approach - D SB Approach - B	EB Left – B WB Left - C NB Approach - F SB Approach - C	EB Left – C WB Left - D NB Approach - F SB Approach – F
SR 52 / Emmaus Cemetery Rd	EB Left – A SB Approach - C	EB Left – B SB Approach - B	EB Left – C SB Approach - D	EB Left – D SB Approach - F

The results of the AM peak hour HCS analysis indicates that the eastbound and westbound movements on SR 52 will operate at an acceptable LOS for the years 2004, 2006 and 2020. The eastbound and westbound movements on SR 52 at the intersection of SR 52/Pasco Road does not operate at an acceptable LOS as a four-lane divided facility for the year 2030.

Table 9 provides the results of the signalized HCS analysis for the year 2030 for the intersections of SR 52/Pasco Road.

Table 9
AM HCS Signalized Intersection Analysis

Intersection	2020 LOS	2030 LOS
SR 52 / Pasco Rd	A	A
SR 52 / McKendree	A	B
SR 52 / Emmaus Cemetery Rd	-	A

For the intersections of SR 52/Pasco County Road and SR 52/McKendree Road, it is recommended that signal warrant studies should be conducted sometime between the years 2006 and 2020. It is recommended that a signal warrant study for the intersection of 52/Emmaus Cemetery Road should be conducted sometime between the years 2020 and 2030.

6.0 CONCLUSION

This report was prepared to satisfy the traffic analysis for the Project Development and Environment (PD&E) Study for the proposed widening of State Road 52 (SR 52) from a two-lane rural section to a six-lane urban section for the 1.9-mile segment east of I-75 prior to the year 2030. The roadway analysis indicates that SR 52 needs to be ultimately widened to a six-lane divided facility by the year 2030.

APPENDIX A

72-Hour Traffic Counts

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1019001.PRN
Station : 000010180406
Identification : 000025620002 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn Pasco Road & McKendree Road

****

Oct 19 Westbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	13	5	7	4	14	21	144	134	115	94	93	101
30	10	5	3	3	25	58	151	149	131	123	110	107
45	4	4	8	10	11	64	141	159	123	93	119	111
00	8	0	4	10	21	106	114	118	137	106	101	118
Hr Total	35	14	22	27	71	249	550	560	506	416	423	437

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	137	183	101	170	148	148	110	61	42	44	22	12
30	66	162	154	130	134	182	110	62	60	35	25	10
45	33	90	126	182	127	138	82	58	38	23	12	15
00	12	125	143	137	129	135	57	52	49	27	20	16
Hr Total	248	560	524	619	538	603	359	233	189	129	79	53

24 Hour Total : 7444
AM peak hour begins : 07:00 AM peak volume : 560 Peak hour factor : 0.88
PM peak hour begins : 14:45 PM peak volume : 625 Peak hour factor : 0.86

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Oct 19 Eastbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	10	5	3	8	7	10	61	130	171	137	111	118
30	11	6	4	13	2	21	87	148	125	144	100	116
45	14	2	1	5	13	31	108	198	134	135	113	105
00	14	7	12	6	12	31	105	189	152	113	143	98
Hr Total	49	20	20	32	34	93	361	665	582	529	467	437

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	104	199	128	129	142	160	140	76	57	56	29	27
30	166	183	123	147	134	146	111	52	48	44	44	24
45	122	124	117	128	133	129	99	66	59	34	26	26
00	45	108	124	128	170	132	96	66	61	45	13	13
Hr Total	437	614	492	532	579	567	446	260	225	179	112	90

24 Hour Total : 7822
AM peak hour begins : 07:15 AM peak volume : 706 Peak hour factor : 0.89
PM peak hour begins : 13:00 PM peak volume : 614 Peak hour factor : 0.77

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

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Data File : D1019001.PRN
Station : 000010180406
Identification : 000025620002 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn Pasco Road & McKendree Road

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Oct 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	10	10	12	21	31	205	264	286	231	204	219
30	21	11	7	16	27	79	238	297	256	267	210	223
45	18	6	9	15	24	95	249	357	257	228	232	216
00	22	7	16	16	33	137	219	307	289	219	244	216
Hr Total	84	34	42	59	105	342	911	1225	1088	945	890	874

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	241	382	229	299	290	308	250	137	99	100	51	39
30	232	345	277	277	268	328	221	114	108	79	69	34
45	155	214	243	310	260	267	181	124	97	57	38	41
00	57	233	267	265	299	267	153	118	110	72	33	29
Hr Total	685	1174	1016	1151	1117	1170	805	493	414	308	191	143

24 Hour Total : 15266
AM peak hour begins : 07:15 AM peak volume : 1247 Peak hour factor : 0.87
PM peak hour begins : 16:45 PM peak volume : 1202 Peak hour factor : 0.92

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

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Data File : D1019004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

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Oct 19 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	10	6	4	10	8	8	52	118	153	130	101	128
30	12	8	5	13	0	20	84	138	141	146	110	116
45	9	2	0	4	10	29	113	191	136	141	105	116
00	13	5	8	6	16	30	110	198	156	120	147	95
Hr Total	44	21	17	33	34	87	359	645	586	537	463	455

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	100	185	117	125	157	190	146	85	57	54	32	19
30	151	182	116	139	142	174	120	54	53	45	43	29
45	152	138	131	144	131	135	104	69	56	40	28	27
00	90	108	118	135	157	131	104	66	62	38	15	14
Hr Total	493	613	482	543	587	630	474	274	228	177	118	89

24 Hour Total : 7989
AM peak hour begins : 07:30 AM peak volume : 683 Peak hour factor : 0.86
PM peak hour begins : 16:45 PM peak volume : 656 Peak hour factor : 0.86

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Oct 19 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	12	4	7	5	14	21	143	123	117	96	95	91
30	10	6	3	2	23	61	148	147	123	122	92	106
45	3	4	7	10	12	68	152	149	117	94	103	101
00	9	0	3	10	22	114	118	132	142	102	104	117
Hr Total	34	14	20	27	71	264	561	551	499	414	394	415

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	131	124	99	159	135	123	108	60	43	46	19	12
30	115	104	145	133	126	161	111	64	63	35	24	10
45	86	83	120	167	115	138	78	54	35	20	12	15
00	29	117	132	126	131	129	50	50	45	24	21	15
Hr Total	361	428	496	585	507	551	347	228	186	125	76	52

24 Hour Total : 7206
AM peak hour begins : 06:00 AM peak volume : 561 Peak hour factor : 0.92
PM peak hour begins : 14:45 PM peak volume : 591 Peak hour factor : 0.88

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1019004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

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Oct 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	10	11	15	22	29	195	241	270	226	196	219
30	22	14	8	15	23	81	232	285	264	268	202	222
45	12	6	7	14	22	97	265	340	253	235	208	217
00	22	5	11	16	38	144	228	330	298	222	251	212
Hr Total	78	35	37	60	105	351	920	1196	1085	951	857	870

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	231	309	216	284	292	313	254	145	100	100	51	31
30	266	286	261	272	268	335	231	118	116	80	67	39
45	238	221	251	311	246	273	182	123	91	60	40	42
00	119	225	250	261	288	260	154	116	107	62	36	29
Hr Total	854	1041	978	1128	1094	1181	821	502	414	302	194	141

24 Hour Total : 15195
AM peak hour begins : 07:15 AM peak volume : 1225 Peak hour factor : 0.90
PM peak hour begins : 16:45 PM peak volume : 1209 Peak hour factor : 0.90

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

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Data File : D1019003.PRN
Station : 000010180404
Identification : 000140510022 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 east of Emmaus Cemetery Road

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Oct 19 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	10	6	4	9	6	10	51	116	156	136	101	134
30	12	8	1	14	0	19	78	148	137	146	111	114
45	6	2	0	4	11	28	111	206	140	140	104	118
00	13	5	9	5	12	32	108	206	153	124	139	93
Hr Total	41	21	14	32	29	89	348	676	586	546	455	459

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	100	196	110	125	152	192	142	80	57	56	30	19
30	150	183	116	140	144	172	121	54	56	49	42	29
45	150	145	134	147	119	151	104	68	58	36	28	23
00	106	108	120	134	162	130	102	67	62	37	16	15
Hr Total	506	632	480	546	577	645	469	269	233	178	116	86

24 Hour Total : 8033
AM peak hour begins : 07:15 AM peak volume : 716 Peak hour factor : 0.87
PM peak hour begins : 16:45 PM peak volume : 677 Peak hour factor : 0.88

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Oct 19 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	10	4	6	4	14	20	127	134	116	95	92	93
30	11	2	3	4	21	58	147	147	118	130	103	106
45	3	4	6	11	9	64	156	159	129	97	107	112
00	9	0	4	10	24	136	131	127	139	101	95	108
Hr Total	33	10	19	29	68	278	561	567	502	423	397	419

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	139	134	100	152	145	133	118	62	42	42	20	12
30	108	102	144	140	122	184	92	58	64	32	24	10
45	88	95	118	168	125	123	80	63	43	24	12	15
00	98	113	153	121	133	137	58	46	47	25	20	16
Hr Total	433	444	515	581	525	577	348	229	196	123	76	53

24 Hour Total : 7406
AM peak hour begins : 06:45 AM peak volume : 571 Peak hour factor : 0.90
PM peak hour begins : 14:45 PM peak volume : 613 Peak hour factor : 0.91

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1019003.PRN
Station : 000010180404
Identification : 000140510022 Interval : 15 minutes
Start date : Oct 19, 04 Start time : 00:00
Stop date : Oct 19, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 east of Emmaus Cemetery Road

****

Oct 19 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	20	10	10	13	20	30	178	250	272	231	193	227
30	23	10	4	18	21	77	225	295	255	276	214	220
45	9	6	6	15	20	92	267	365	269	237	211	230
00	22	5	13	15	36	168	239	333	292	225	234	201
Hr Total	74	31	33	61	97	367	909	1243	1088	969	852	878

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	239	330	210	277	297	325	260	142	99	98	50	31
30	258	285	260	280	266	356	213	112	120	81	66	39
45	238	240	252	315	244	274	184	131	101	60	40	38
00	204	221	273	255	295	267	160	113	109	62	36	31
Hr Total	939	1076	995	1127	1102	1222	817	498	429	301	192	139

24 Hour Total : 15439
AM peak hour begins : 07:15 AM peak volume : 1265 Peak hour factor : 0.87
PM peak hour begins : 16:45 PM peak volume : 1250 Peak hour factor : 0.88

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1020001.PRN
Station : 000010180406
Identification : 000025620002
Start date : Oct 20, 04
Stop date : Oct 20, 04
City/Town : San Antonio
Location : SR 52 btwn Pasco Road & McKendree Road

Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Pasco

****

Oct 20 Westbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	14	5	8	10	11	19	140	116	127	94	83	105
30	9	6	3	7	20	55	160	171	114	91	96	108
45	14	9	3	9	22	55	130	155	120	129	114	114
00	5	6	6	6	23	94	128	141	106	131	116	110
Hr Total	42	26	20	32	76	223	558	583	467	445	409	437

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	142	103	111	151	163	161	115	66	37	50	26	14
30	102	102	136	154	133	169	95	77	42	41	22	18
45	110	117	129	177	139	126	79	53	46	40	51	7
00	112	121	136	143	153	102	67	45	50	37	15	6
Hr Total	466	443	512	625	588	558	356	241	175	168	114	45

24 Hour Total : 7609
AM peak hour begins : 07:15 AM peak volume : 594 Peak hour factor : 0.87
PM peak hour begins : 15:15 PM peak volume : 637 Peak hour factor : 0.90

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Oct 20 Eastbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	13	10	7	10	9	18	51	145	162	125	117	99
30	13	6	2	8	5	17	76	128	153	131	103	109
45	11	6	7	6	10	28	123	194	142	124	105	105
00	15	9	4	7	10	50	102	199	131	141	97	92
Hr Total	52	31	20	31	34	113	352	666	588	521	422	405

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	113	129	111	130	147	150	126	90	49	40	39	29
30	125	113	121	129	141	174	133	68	46	41	26	21
45	98	133	138	146	136	156	98	54	51	53	25	16
00	96	120	96	139	159	134	94	58	52	44	22	10
Hr Total	432	495	466	544	583	614	451	270	198	178	112	76

24 Hour Total : 7654
AM peak hour begins : 07:30 AM peak volume : 708 Peak hour factor : 0.89
PM peak hour begins : 16:45 PM peak volume : 639 Peak hour factor : 0.92

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

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Data File : D1020001.PRN
Station : 000010180406
Identification : 000025620002 Interval : 15 minutes
Start date : Oct 20, 04 Start time : 00:00
Stop date : Oct 20, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn Pasco Road & McKendree Road

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Oct 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	27	15	15	20	20	37	191	261	289	219	200	204
30	22	12	5	15	25	72	236	299	267	222	199	217
45	25	15	10	15	32	83	253	349	262	253	219	219
00	20	15	10	13	33	144	230	340	237	272	213	202
Hr Total	94	57	40	63	110	336	910	1249	1055	966	831	842

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	255	232	222	281	310	311	241	156	86	90	65	43
30	227	215	257	283	274	343	228	145	88	82	48	39
45	208	250	267	323	275	282	177	107	97	93	76	23
00	208	241	232	282	312	236	161	103	102	81	37	16
Hr Total	898	938	978	1169	1171	1172	807	511	373	346	226	121

24 Hour Total : 15263
AM peak hour begins : 07:15 AM peak volume : 1277 Peak hour factor : 0.91
PM peak hour begins : 16:45 PM peak volume : 1248 Peak hour factor : 0.91

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1020004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 20, 04 Start time : 00:00
Stop date : Oct 20, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

****

Oct 20 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	14	12	9	10	8	18	55	127	162	143	112	96
30	11	5	2	8	8	13	75	123	164	140	114	106
45	15	6	6	6	8	32	108	187	131	129	109	119
00	14	7	5	5	9	42	107	204	128	128	94	102
Hr Total	54	30	22	29	33	105	345	641	585	540	429	423

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	96	124	117	131	141	183	117	95	53	46	39	31
30	144	120	117	146	169	184	142	64	47	37	28	21
45	99	136	140	152	138	172	96	61	51	51	33	17
00	96	112	98	147	169	151	103	56	49	47	18	12
Hr Total	435	492	472	576	617	690	458	276	200	181	118	81

24 Hour Total : 7832
AM peak hour begins : 07:30 AM peak volume : 717 Peak hour factor : 0.88
PM peak hour begins : 16:45 PM peak volume : 708 Peak hour factor : 0.96

****

Oct 20 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	14	6	7	9	11	19	142	109	129	34	79	95
30	8	5	3	5	20	53	157	164	122	18	94	105
45	16	8	2	8	22	58	138	153	118	62	116	109
00	5	7	6	5	19	96	137	144	111	101	113	108
Hr Total	43	26	18	27	72	226	574	570	480	215	402	417

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	128	99	114	144	154	142	111	63	38	54	28	11
30	102	88	123	143	129	159	95	79	42	40	20	15
45	103	114	130	166	133	122	81	51	47	37	53	12
00	108	105	128	140	137	98	63	45	46	38	17	6
Hr Total	441	406	495	593	553	521	350	238	173	169	118	44

24 Hour Total : 7171
AM peak hour begins : 07:15 AM peak volume : 590 Peak hour factor : 0.90
PM peak hour begins : 15:15 PM peak volume : 603 Peak hour factor : 0.91

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1020004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 20, 04 Start time : 00:00
Stop date : Oct 20, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

****

Oct 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	28	18	16	19	19	37	197	236	291	177	191	191
30	19	10	5	13	28	66	232	287	286	158	208	211
45	31	14	8	14	30	90	246	340	249	191	225	228
00	19	14	11	10	28	138	244	348	239	229	207	210
Hr Total	97	56	40	56	105	331	919	1211	1065	755	831	840

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	224	223	231	275	295	325	228	158	91	100	67	42
30	246	208	240	289	298	343	237	143	89	77	48	36
45	202	250	270	318	271	294	177	112	98	88	86	29
00	204	217	226	287	306	249	166	101	95	85	35	18
Hr Total	876	898	967	1169	1170	1211	808	514	373	350	236	125

24 Hour Total : 15003
AM peak hour begins : 07:15 AM peak volume : 1266 Peak hour factor : 0.91
PM peak hour begins : 16:45 PM peak volume : 1268 Peak hour factor : 0.92

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

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Data File : D1020003.PRN
Station : 000010180404
Identification : 000140510022
Start date : Oct 20, 04
Stop date : Oct 20, 04
City/Town : San Antonio
Location : SR 52 east of Emmaus Cemetery Road
Interval : 15 minutes
Start time : 00:00
Stop time : 24:00
County : Pasco

****

Oct 20 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	13	12	8	8	7	17	51	131	165	143	111	93
30	10	8	2	9	10	15	68	124	157	137	118	109
45	15	5	6	7	8	29	110	195	141	133	108	122
00	11	6	5	5	10	45	102	219	127	128	96	100
Hr Total	49	31	21	29	35	106	331	669	590	541	433	424

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	95	122	117	136	141	184	123	97	54	48	37	28
30	147	123	114	142	163	185	146	65	48	38	30	21
45	102	140	137	154	138	185	95	66	52	50	31	16
00	97	113	102	147	167	149	101	55	58	49	18	13
Hr Total	441	498	470	579	609	703	465	283	212	185	116	78

24 Hour Total : 7898
AM peak hour begins : 07:30 AM peak volume : 736 Peak hour factor : 0.84
PM peak hour begins : 16:45 PM peak volume : 721 Peak hour factor : 0.97

****

Oct 20 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	12	5	8	9	10	25	145	114	136	96	83	94
30	10	4	4	5	21	50	158	173	118	108	94	113
45	16	7	1	10	20	62	147	150	126	120	118	104
00	4	5	6	6	20	103	151	127	105	126	125	113
Hr Total	42	21	19	30	71	240	601	564	485	450	420	424

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	140	120	116	148	152	141	112	74	39	57	28	14
30	99	90	133	155	127	160	100	78	42	37	28	17
45	102	126	135	175	140	109	84	55	48	47	46	6
00	114	111	120	139	153	103	61	46	50	28	16	8
Hr Total	455	447	504	617	572	513	357	253	179	169	118	45

24 Hour Total : 7596
AM peak hour begins : 06:00 AM peak volume : 601 Peak hour factor : 0.95
PM peak hour begins : 15:15 PM peak volume : 621 Peak hour factor : 0.89

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Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1020003.PRN
Station : 000010180404
Identification : 000140510022 Interval : 15 minutes
Start date : Oct 20, 04 Start time : 00:00
Stop date : Oct 20, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 east of Emmaus Cemetery Road

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Oct 20 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	25	17	16	17	17	42	196	245	301	239	194	187
30	20	12	6	14	31	65	226	297	275	245	212	222
45	31	12	7	17	28	91	257	345	267	253	226	226
00	15	11	11	11	30	148	253	346	232	254	221	213
Hr Total	91	52	40	59	106	346	932	1233	1075	991	853	848

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	235	242	233	284	293	325	235	171	93	105	65	42
30	246	213	247	297	290	345	246	143	90	75	58	38
45	204	266	272	329	278	294	179	121	100	97	77	22
00	211	224	222	286	320	252	162	101	108	77	34	21
Hr Total	896	945	974	1196	1181	1216	822	536	391	354	234	123

24 Hour Total : 15494
AM peak hour begins : 07:15 AM peak volume : 1289 Peak hour factor : 0.93
PM peak hour begins : 16:45 PM peak volume : 1284 Peak hour factor : 0.93

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021001.PRN
Station : 000010180406
Identification : 000025620002 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn Pasco Road & McKendree Road

****

Oct 21 Westbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	17	11	5	4	15	16	127	104	115	102	99	116
30	11	2	6	15	19	51	154	149	123	110	92	113
45	10	4	11	4	17	63	145	151	82	124	93	111
00	10	7	7	11	23	115	115	163	117	93	126	100
Hr Total	48	24	29	34	74	245	541	567	437	429	410	440

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	110	127	107	149	137	158	129	80	45	77	45	28
30	129	105	142	162	143	190	141	77	41	46	34	22
45	103	144	115	160	143	126	90	64	49	81	39	10
00	103	120	131	163	135	123	95	53	53	29	13	14
Hr Total	445	496	495	634	558	597	455	274	188	233	131	74

24 Hour Total : 7858
AM peak hour begins : 07:15 AM peak volume : 578 Peak hour factor : 0.89
PM peak hour begins : 15:00 PM peak volume : 634 Peak hour factor : 0.97

****

Oct 21 Eastbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	11	7	14	2	6	11	51	135	171	179	120	112
30	16	9	7	7	5	24	62	137	138	128	91	111
45	15	6	7	4	11	31	98	177	144	147	103	119
00	6	10	6	3	13	33	126	157	142	99	112	89
Hr Total	48	32	34	16	35	99	337	606	595	553	426	431

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	98	104	98	118	145	156	141	97	57	29	44	34
30	97	148	113	130	171	166	141	76	55	64	30	20
45	115	131	120	128	160	161	122	76	50	53	33	26
00	127	116	132	136	171	145	127	64	48	65	30	26
Hr Total	437	499	463	512	647	628	531	313	210	211	137	106

24 Hour Total : 7906
AM peak hour begins : 07:30 AM peak volume : 643 Peak hour factor : 0.91
PM peak hour begins : 16:15 PM peak volume : 658 Peak hour factor : 0.96

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021001.PRN
Station : 000010180406
Identification : 000025620002 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn Pasco Road & McKendree Road

****

Oct 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	28	18	19	6	21	27	178	239	286	281	219	228
30	27	11	13	22	24	75	216	286	261	238	183	224
45	25	10	18	8	28	94	243	328	226	271	196	230
00	16	17	13	14	36	148	241	320	259	192	238	189
Hr Total	96	56	63	50	109	344	878	1173	1032	982	836	871

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	208	231	205	267	282	314	270	177	102	106	89	62
30	226	253	255	292	314	356	282	153	96	110	64	42
45	218	275	235	288	303	287	212	140	99	134	72	36
00	230	236	263	299	306	268	222	117	101	94	43	40
Hr Total	882	995	958	1146	1205	1225	986	587	398	444	268	180

24 Hour Total : 15764
AM peak hour begins : 07:15 AM peak volume : 1220 Peak hour factor : 0.93
PM peak hour begins : 16:30 PM peak volume : 1279 Peak hour factor : 0.90

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

****

Oct 21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	8	6	12	2	5	11	46	137	155	175	105	111
30	17	9	9	7	5	24	67	129	142	126	100	107
45	17	8	3	5	11	32	96	170	143	151	106	128
00	7	10	11	4	13	33	117	179	145	113	114	88
Hr Total	49	33	35	18	34	100	326	615	585	565	425	434

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	108	103	108	111	152	186	152	100	62	30	50	33
30	101	151	109	137	173	186	136	86	54	58	26	19
45	111	122	123	140	174	162	135	68	44	56	39	25
00	121	116	135	135	179	168	117	72	58	68	28	27
Hr Total	441	492	475	523	678	702	540	326	218	212	143	104

24 Hour Total : 8073
AM peak hour begins : 07:30 AM peak volume : 646 Peak hour factor : 0.90
PM peak hour begins : 16:30 PM peak volume : 725 Peak hour factor : 0.97

****

Oct 21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	15	11	4	3	16	17	127	115	121	101	93	106
30	10	4	6	15	19	47	152	136	122	97	84	113
45	11	4	9	3	16	64	156	146	76	123	87	98
00	11	7	10	8	20	123	115	158	116	91	116	93
Hr Total	47	26	29	29	71	251	550	555	435	412	380	410

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	102	116	97	141	124	136	115	77	46	77	45	27
30	112	91	128	149	138	163	136	70	41	40	31	23
45	102	124	123	146	134	124	78	61	41	81	35	10
00	101	120	116	146	116	114	88	50	57	32	14	14
Hr Total	417	451	464	582	512	537	417	258	185	230	125	74

24 Hour Total : 7447
AM peak hour begins : 07:15 AM peak volume : 561 Peak hour factor : 0.89
PM peak hour begins : 15:00 PM peak volume : 582 Peak hour factor : 0.98

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021004.PRN
Station : 000010180405
Identification : 000065310007 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 btwn McKendree & Emmaus Cemetery

****

Oct 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	23	17	16	5	21	28	173	252	276	276	198	217
30	27	13	15	22	24	71	219	265	264	223	184	220
45	28	12	12	8	27	96	252	316	219	274	193	226
00	18	17	21	12	33	156	232	337	261	204	230	181
Hr Total	96	59	64	47	105	351	876	1170	1020	977	805	844

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	210	219	205	252	276	322	267	177	108	107	95	60
30	213	242	237	286	311	349	272	156	95	98	57	42
45	213	246	246	286	308	286	213	129	85	137	74	35
00	222	236	251	281	295	282	205	122	115	100	42	41
Hr Total	858	943	939	1105	1190	1239	957	584	403	442	268	178

24 Hour Total : 15520
AM peak hour begins : 07:15 AM peak volume : 1194 Peak hour factor : 0.89
PM peak hour begins : 16:30 PM peak volume : 1274 Peak hour factor : 0.91

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021003.PRN
Station : 000010180404
Identification : 000140510022 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 east of Emmaus Cemetery Road

****

Oct 21 Eastbound Volume for Lane 1

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	7	6	12	2	5	12	43	140	157	175	107	110
30	12	9	8	7	4	26	60	136	145	130	99	110
45	17	9	3	6	10	30	98	183	147	151	107	133
00	7	9	12	2	8	34	113	184	145	118	116	90
Hr Total	43	33	35	17	27	102	314	643	594	574	429	443

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	109	110	112	108	153	184	150	96	66	31	54	32
30	106	151	113	142	165	184	134	80	58	58	26	20
45	111	124	115	148	176	173	137	73	47	55	36	22
00	124	112	137	131	180	174	118	70	58	65	30	27
Hr Total	450	497	477	529	674	715	539	319	229	209	146	101

24 Hour Total : 8139
AM peak hour begins : 07:30 AM peak volume : 669 Peak hour factor : 0.91
PM peak hour begins : 16:30 PM peak volume : 724 Peak hour factor : 0.98

****

Oct 21 Westbound Volume for Lane 2

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	15	9	3	5	14	22	132	120	131	113	93	120
30	12	6	6	14	19	44	159	134	117	97	96	115
45	9	5	11	3	17	72	154	161	77	120	98	109
00	10	4	7	10	21	116	131	150	115	97	118	105
Hr Total	46	24	27	32	71	254	576	565	440	427	405	449

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	105	140	105	158	130	144	128	72	52	73	41	25
30	120	96	136	168	142	171	122	68	39	46	35	20
45	96	136	131	139	143	113	87	64	47	83	34	10
00	104	126	131	164	134	125	102	50	53	30	16	15
Hr Total	425	498	503	629	549	553	439	254	191	232	126	70

24 Hour Total : 7785
AM peak hour begins : 06:00 AM peak volume : 576 Peak hour factor : 0.91
PM peak hour begins : 15:00 PM peak volume : 629 Peak hour factor : 0.94

****

Adams Traffic
813-763-7763
Volume Report with 24 Hour Totals

****

Data File : D1021003.PRN
Station : 000010180404
Identification : 000140510022 Interval : 15 minutes
Start date : Oct 21, 04 Start time : 00:00
Stop date : Oct 21, 04 Stop time : 24:00
City/Town : San Antonio County : Pasco
Location : SR 52 east of Emmaus Cemetery Road

****

Oct 21 Total Volume for All Lanes

End Time	00	01	02	03	04	05	06	07	08	09	10	11
15	22	15	15	7	19	34	175	260	288	288	200	230
30	24	15	14	21	23	70	219	270	262	227	195	225
45	26	14	14	9	27	102	252	344	224	271	205	242
00	17	13	19	12	29	150	244	334	260	215	234	195
Hr Total	89	57	62	49	98	356	890	1208	1034	1001	834	892

End Time	12	13	14	15	16	17	18	19	20	21	22	23
15	214	250	217	266	283	328	278	168	118	104	95	57
30	226	247	249	310	307	355	256	148	97	104	61	40
45	207	260	246	287	319	286	224	137	94	138	70	32
00	228	238	268	295	314	299	220	120	111	95	46	42
Hr Total	875	995	980	1158	1223	1268	978	573	420	441	272	171

24 Hour Total : 15924
AM peak hour begins : 07:15 AM peak volume : 1236 Peak hour factor : 0.90
PM peak hour begins : 16:30 PM peak volume : 1316 Peak hour factor : 0.93

****

APPENDIX B

Peak Season Factor Category Report

Print Date: Dec/07/2004

Florida Department of Transportation
Transportation Statistics Office

2003 Peak Season Factor Category Report

PASCO COUNTYWIDE MOCF = 0.96

Category: 1400

	Week	Dates	SF	PSCF
	1	01/01/2003 - 01/04/2003	0.98	1.02
	2	01/05/2003 - 01/11/2003	1.01	1.05
	3	01/12/2003 - 01/18/2003	1.04	1.08
	4	01/19/2003 - 01/25/2003	1.02	1.06
	5	01/26/2003 - 02/01/2003	1.00	1.04
*	6	02/02/2003 - 02/08/2003	0.99	1.03
*	7	02/09/2003 - 02/15/2003	0.97	1.01
*	8	02/16/2003 - 02/22/2003	0.96	1.00
*	9	02/23/2003 - 03/01/2003	0.95	0.99
*	10	03/02/2003 - 03/08/2003	0.95	0.99
*	11	03/09/2003 - 03/15/2003	0.94	0.98
*	12	03/16/2003 - 03/22/2003	0.95	0.99
*	13	03/23/2003 - 03/29/2003	0.95	0.99
*	14	03/30/2003 - 04/05/2003	0.96	1.00
*	15	04/06/2003 - 04/12/2003	0.97	1.01
*	16	04/13/2003 - 04/19/2003	0.97	1.01
*	17	04/20/2003 - 04/26/2003	0.98	1.02
*	18	04/27/2003 - 05/03/2003	0.99	1.03
	19	05/04/2003 - 05/10/2003	1.00	1.04
	20	05/11/2003 - 05/17/2003	1.01	1.05
	21	05/18/2003 - 05/24/2003	1.02	1.06
	22	05/25/2003 - 05/31/2003	1.02	1.06
	23	06/01/2003 - 06/07/2003	1.03	1.07
	24	06/08/2003 - 06/14/2003	1.04	1.08
	25	06/15/2003 - 06/21/2003	1.04	1.08
	26	06/22/2003 - 06/28/2003	1.04	1.08
	27	06/29/2003 - 07/05/2003	1.03	1.07
	28	07/06/2003 - 07/12/2003	1.02	1.06
	29	07/13/2003 - 07/19/2003	1.01	1.05
	30	07/20/2003 - 07/26/2003	1.01	1.05
	31	07/27/2003 - 08/02/2003	1.01	1.05
	32	08/03/2003 - 08/09/2003	1.02	1.06
	33	08/10/2003 - 08/16/2003	1.02	1.06
	34	08/17/2003 - 08/23/2003	1.02	1.06
	35	08/24/2003 - 08/30/2003	1.02	1.06
	36	08/31/2003 - 09/06/2003	1.02	1.06
	37	09/07/2003 - 09/13/2003	1.02	1.06
	38	09/14/2003 - 09/20/2003	1.02	1.06
	39	09/21/2003 - 09/27/2003	1.01	1.05
	40	09/28/2003 - 10/04/2003	1.00	1.04
	41	10/05/2003 - 10/11/2003	0.99	1.03
	42	10/12/2003 - 10/18/2003	0.97	1.01
	43	10/19/2003 - 10/25/2003	0.97	1.01
	44	10/26/2003 - 11/01/2003	0.96	1.00
	45	11/02/2003 - 11/08/2003	0.96	1.00
	46	11/09/2003 - 11/15/2003	0.95	0.99
	47	11/16/2003 - 11/22/2003	0.96	1.00
	48	11/23/2003 - 11/29/2003	0.97	1.01
	49	11/30/2003 - 12/06/2003	0.97	1.01
	50	12/07/2003 - 12/13/2003	0.98	1.02
	51	12/14/2003 - 12/20/2003	0.98	1.02
	52	12/21/2003 - 12/27/2003	1.01	1.05
	53	12/28/2003 - 12/31/2003	1.04	1.08

Note: "*" indicates peak season week

APPENDIX C

Weekly Axle Factor Category Report

Print Date: December 08, 2004

Florida Department of Transportation
Transportation Statistics Office

2003 Weekly Axle Factor Category Report

County: 14 -- PASCO
Category: 1415 SR52, CR581 - CR577

Week	Dates	ACF
1	01/01/2003 - 01/04/2003	0.98
2	01/05/2003 - 01/11/2003	0.98
3	01/12/2003 - 01/18/2003	0.98
4	01/19/2003 - 01/25/2003	0.98
5	01/26/2003 - 02/01/2003	0.98
6	02/02/2003 - 02/08/2003	0.98
7	02/09/2003 - 02/15/2003	0.98
8	02/16/2003 - 02/22/2003	0.98
9	02/23/2003 - 03/01/2003	0.98
10	03/02/2003 - 03/08/2003	0.98
11	03/09/2003 - 03/15/2003	0.98
12	03/16/2003 - 03/22/2003	0.98
13	03/23/2003 - 03/29/2003	0.98
14	03/30/2003 - 04/05/2003	0.98
15	04/06/2003 - 04/12/2003	0.98
16	04/13/2003 - 04/19/2003	0.98
17	04/20/2003 - 04/26/2003	0.98
18	04/27/2003 - 05/03/2003	0.98
19	05/04/2003 - 05/10/2003	0.98
20	05/11/2003 - 05/17/2003	0.98
21	05/18/2003 - 05/24/2003	0.98
22	05/25/2003 - 05/31/2003	0.98
23	06/01/2003 - 06/07/2003	0.98
24	06/08/2003 - 06/14/2003	0.98
25	06/15/2003 - 06/21/2003	0.98
26	06/22/2003 - 06/28/2003	0.98
27	06/29/2003 - 07/05/2003	0.98
28	07/06/2003 - 07/12/2003	0.98
29	07/13/2003 - 07/19/2003	0.98
30	07/20/2003 - 07/26/2003	0.98
31	07/27/2003 - 08/02/2003	0.98
32	08/03/2003 - 08/09/2003	0.98
33	08/10/2003 - 08/16/2003	0.98
34	08/17/2003 - 08/23/2003	0.98
35	08/24/2003 - 08/30/2003	0.98
36	08/31/2003 - 09/06/2003	0.98
37	09/07/2003 - 09/13/2003	0.98
38	09/14/2003 - 09/20/2003	0.98
39	09/21/2003 - 09/27/2003	0.98
40	09/28/2003 - 10/04/2003	0.98
41	10/05/2003 - 10/11/2003	0.98
42	10/12/2003 - 10/18/2003	0.98
43	10/19/2003 - 10/25/2003	0.98
44	10/26/2003 - 11/01/2003	0.98
45	11/02/2003 - 11/08/2003	0.98
46	11/09/2003 - 11/15/2003	0.98
47	11/16/2003 - 11/22/2003	0.98
48	11/23/2003 - 11/29/2003	0.98
49	11/30/2003 - 12/06/2003	0.98
50	12/07/2003 - 12/13/2003	0.98
51	12/14/2003 - 12/20/2003	0.98
52	12/21/2003 - 12/27/2003	0.98
53	12/28/2003 - 12/31/2003	0.98

APPENDIX D

Turning Movement Counts

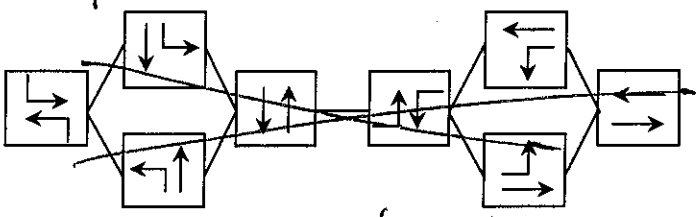
Adams Traffic, Inc.
P.O. Box 997
Plant City, FL 33564
Tel:(813) 763-7763 Fax:(813) 659-8688

Project No.: 04243

Turning Movement Count
Field Data Sheet

Date:	10/20/04	Count Times:	7-9Am & 4-6pm		
Major Street:	SR 52	Direction:	E-W	Speed Limit:	45 mph
Minor Street:	Pasco Road	Direction:	N-S	Speed Limit:	30 mph
City/County:	San Antonio / Pasco	Weather:	Clear		

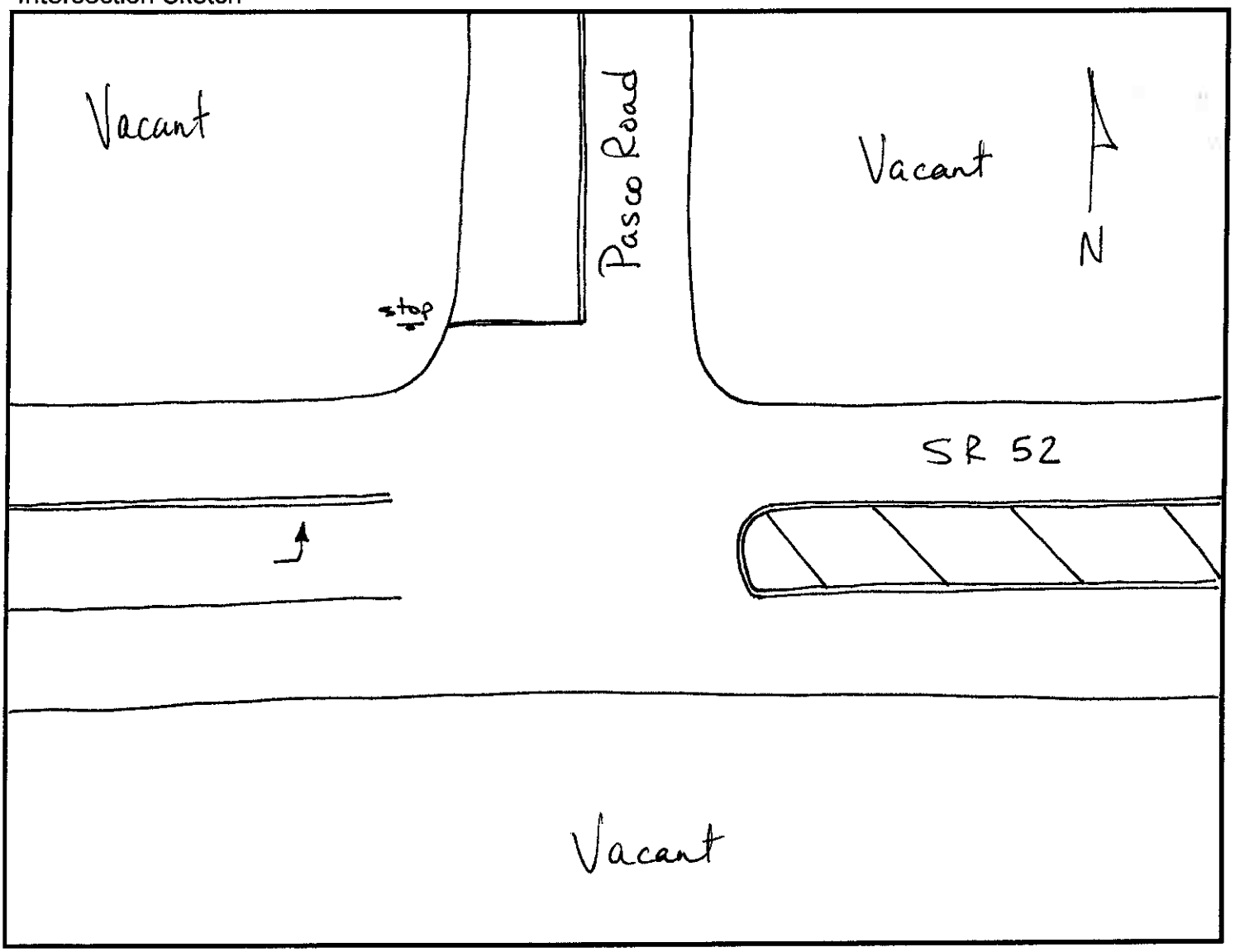
Phasing:



3 Cycles Measured:

Unsignalized

Intersection Sketch



Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&pasco
Site Code : 00004243
Start Date : 10/20/2004
Page No : 1

Groups Printed- Passenger Vehicles - Heavy Vehicles - U-Turns

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	0	9	10	0	108	2	110	4	128	0	132	252
07:15 AM	2	0	7	9	0	145	4	149	4	130	0	134	292
07:30 AM	1	0	2	3	0	138	2	140	4	188	0	192	335
07:45 AM	1	0	4	5	0	126	1	127	0	192	0	192	324
Total	5	0	22	27	0	517	9	526	12	638	0	650	1203
08:00 AM	3	0	5	8	0	111	2	113	3	147	0	150	271
08:15 AM	0	0	10	10	0	110	0	110	6	148	0	154	274
08:30 AM	0	0	9	9	0	106	2	108	2	135	0	137	254
08:45 AM	4	0	7	11	0	95	2	97	5	125	0	130	238
Total	7	0	31	38	0	422	6	428	16	555	0	571	1037
*** BREAK ***													
04:00 PM	1	0	5	6	0	164	1	165	8	154	0	162	333
04:15 PM	0	0	10	10	0	126	2	128	3	135	0	138	276
04:30 PM	3	0	4	7	0	135	2	137	9	134	0	143	287
04:45 PM	1	0	2	3	0	145	2	147	10	159	0	169	319
Total	5	0	21	26	0	570	7	577	30	582	0	612	1215
05:00 PM	3	0	5	8	0	168	4	172	5	152	0	157	337
05:15 PM	1	0	4	5	0	169	2	171	8	180	0	188	364
05:30 PM	2	0	4	6	0	119	1	120	6	151	0	157	283
05:45 PM	0	0	2	2	0	103	1	104	8	131	0	139	245
Total	6	0	15	21	0	559	8	567	27	614	0	641	1229
Grand Total	23	0	89	112	0	2068	30	2098	85	2389	0	2474	4684
Apprch %	20.5	0.0	79.5		0.0	98.6	1.4		3.4	96.6	0.0		
Total %	0.5	0.0	1.9	2.4	0.0	44.2	0.6	44.8	1.8	51.0	0.0	52.8	

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:15 AM												
Volume	7	0	18	25	0	520	9	529	11	657	0	668	1222
Percent	28.0	0.0	72.0		0.0	98.3	1.7		1.6	98.4	0.0		
07:30 Volume	1	0	2	3	0	138	2	140	4	188	0	192	335
Peak Factor													0.912
High Int.	07:15 AM				07:15 AM				07:30 AM				
Volume	2	0	7	9	0	145	4	149	4	188	0	192	
Peak Factor				0.694				0.888				0.870	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

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	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	08:00 AM				07:15 AM				07:30 AM				
Volume	7	0	31	38	0	520	9	529	13	675	0	688	
Percent	18.4	0.0	81.6		0.0	98.3	1.7		1.9	98.1	0.0		
High Int.	08:45 AM				07:15 AM				07:30 AM				
Volume	4	0	7	11	0	145	4	149	4	188	0	192	
Peak Factor				0.864				0.888				0.896	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:30 PM												
Volume	8	0	15	23	0	617	10	627	32	625	0	657	1307
Percent	34.8	0.0	65.2		0.0	98.4	1.6		4.9	95.1	0.0		
05:15 Volume	1	0	4	5	0	169	2	171	8	180	0	188	364
Peak Factor													0.898
High Int.	05:00 PM				05:00 PM				05:15 PM				
Volume	3	0	5	8	0	168	4	172	8	180	0	188	
Peak Factor				0.719				0.911				0.874	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:15 PM				04:30 PM				04:45 PM				
Volume	7	0	21	28	0	617	10	627	29	642	0	671	
Percent	25.0	0.0	75.0		0.0	98.4	1.6		4.3	95.7	0.0		
High Int.	04:15 PM				05:00 PM				05:15 PM				
Volume	0	0	10	10	0	168	4	172	8	180	0	188	
Peak Factor				0.700				0.911				0.892	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

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Groups Printed- Passenger Vehicles

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	0	8	9	0	96	0	96	2	112	0	114	219
07:15 AM	1	0	7	8	0	116	3	119	1	119	0	120	247
07:30 AM	0	0	0	0	0	115	2	117	3	165	0	168	285
07:45 AM	1	0	4	5	0	107	1	108	0	174	0	174	287
Total	3	0	19	22	0	434	6	440	6	570	0	576	1038
08:00 AM	2	0	3	5	0	83	2	85	2	116	0	118	208
08:15 AM	0	0	7	7	0	91	0	91	3	132	0	135	233
08:30 AM	0	0	8	8	0	86	1	87	0	119	0	119	214
08:45 AM	4	0	5	9	0	76	2	78	3	112	0	115	202
Total	6	0	23	29	0	336	5	341	8	479	0	487	857
*** BREAK ***													
04:00 PM	0	0	4	4	0	150	1	151	7	139	0	146	301
04:15 PM	0	0	8	8	0	109	2	111	3	119	0	122	241
04:30 PM	3	0	3	6	0	124	1	125	9	126	0	135	266
04:45 PM	0	0	1	1	0	136	2	138	8	147	0	155	294
Total	3	0	16	19	0	519	6	525	27	531	0	558	1102
05:00 PM	2	0	4	6	0	164	4	168	5	137	0	142	316
05:15 PM	1	0	4	5	0	161	2	163	7	168	0	175	343
05:30 PM	2	0	4	6	0	112	1	113	6	145	0	151	270
05:45 PM	0	0	2	2	0	95	1	96	7	122	0	129	227
Total	5	0	14	19	0	532	8	540	25	572	0	597	1156
Grand Total	17	0	72	89	0	1821	25	1846	66	2152	0	2218	4153
Apprch %	19.1	0.0	80.9		0.0	98.6	1.4		3.0	97.0	0.0		
Total %	0.4	0.0	1.7	2.1	0.0	43.8	0.6	44.4	1.6	51.8	0.0	53.4	

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:00 AM												
Volume	3	0	19	22	0	434	6	440	6	570	0	576	1038
Percent	13.6	0.0	86.4		0.0	98.6	1.4		1.0	99.0	0.0		
07:45 Volume	1	0	4	5	0	107	1	108	0	174	0	174	287
Peak Factor													0.904
High Int.	07:00 AM				07:15 AM				07:45 AM				
Volume	1	0	8	9	0	116	3	119	0	174	0	174	
Peak Factor				0.611				0.924				0.828	

Turning Movement Count

Adams Traffic
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	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	08:00 AM				07:00 AM				07:30 AM				
Volume	6	0	23	29	0	434	6	440	8	587	0	595	
Percent	20.7	0.0	79.3		0.0	98.6	1.4		1.3	98.7	0.0		
High Int.	08:45 AM				07:15 AM				07:45 AM				
Volume	4	0	5	9	0	116	3	119	0	174	0	174	
Peak Factor				0.806				0.924				0.855	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:45 PM												
Volume	5	0	13	18	0	573	9	582	26	597	0	623	1223
Percent	27.8	0.0	72.2		0.0	98.5	1.5		4.2	95.8	0.0		
05:15 Volume	1	0	4	5	0	161	2	163	7	168	0	175	343
Peak Factor													0.891
High Int.	05:00 PM				05:00 PM				05:15 PM				
Volume	2	0	4	6	0	164	4	168	7	168	0	175	
Peak Factor				0.750				0.866				0.890	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:15 PM				04:30 PM				04:45 PM				
Volume	5	0	16	21	0	585	9	594	26	597	0	623	
Percent	23.8	0.0	76.2		0.0	98.5	1.5		4.2	95.8	0.0		
High Int.	04:15 PM				05:00 PM				05:15 PM				
Volume	0	0	8	8	0	164	4	168	7	168	0	175	
Peak Factor				0.656				0.884				0.890	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

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Groups Printed- Heavy Vehicles

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	1	1	0	12	2	14	2	16	0	18	33
07:15 AM	1	0	0	1	0	29	1	30	3	11	0	14	45
07:30 AM	1	0	2	3	0	23	0	23	1	23	0	24	50
07:45 AM	0	0	0	0	0	19	0	19	0	18	0	18	37
Total	2	0	3	5	0	83	3	86	6	68	0	74	165
08:00 AM	1	0	2	3	0	28	0	28	1	31	0	32	63
08:15 AM	0	0	3	3	0	19	0	19	3	16	0	19	41
08:30 AM	0	0	1	1	0	20	1	21	2	16	0	18	40
08:45 AM	0	0	2	2	0	19	0	19	2	13	0	15	36
Total	1	0	8	9	0	86	1	87	8	76	0	84	180
*** BREAK ***													
04:00 PM	1	0	1	2	0	14	0	14	1	15	0	16	32
04:15 PM	0	0	2	2	0	17	0	17	0	16	0	16	35
04:30 PM	0	0	1	1	0	11	1	12	0	8	0	8	21
04:45 PM	1	0	1	2	0	9	0	9	2	12	0	14	25
Total	2	0	5	7	0	51	1	52	3	51	0	54	113
05:00 PM	1	0	1	2	0	4	0	4	0	15	0	15	21
05:15 PM	0	0	0	0	0	8	0	8	1	12	0	13	21
05:30 PM	0	0	0	0	0	7	0	7	0	6	0	6	13
05:45 PM	0	0	0	0	0	8	0	8	1	9	0	10	18
Total	1	0	1	2	0	27	0	27	2	42	0	44	73
Grand Total	6	0	17	23	0	247	5	252	19	237	0	256	531
Apprch %	26.1	0.0	73.9		0.0	98.0	2.0		7.4	92.6	0.0		
Total %	1.1	0.0	3.2	4.3	0.0	46.5	0.9	47.5	3.6	44.6	0.0	48.2	

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:15 AM												
Volume	3	0	4	7	0	99	1	100	5	83	0	88	195
Percent	42.9	0.0	57.1		0.0	99.0	1.0		5.7	94.3	0.0		
08:00 Volume	1	0	2	3	0	28	0	28	1	31	0	32	63
Peak Factor													0.774
High Int.	07:30 AM				07:15 AM				08:00 AM				
Volume	1	0	2	3	0	29	1	30	1	31	0	32	
Peak Factor				0.583				0.833				0.688	

Turning Movement Count

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Weather: Clear

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	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:30 AM				07:15 AM				07:30 AM				
Volume	2	0	7	9	0	99	1	100	5	88	0	93	
Percent	22.2	0.0	77.8		0.0	99.0	1.0		5.4	94.6	0.0		
High Int.	07:30 AM				07:15 AM				08:00 AM				
Volume	1	0	2	3	0	29	1	30	1	31	0	32	
Peak Factor				0.750				0.833				0.727	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:00 PM												
Volume	2	0	5	7	0	51	1	52	3	51	0	54	113
Percent	28.6	0.0	71.4		0.0	98.1	1.9		5.6	94.4	0.0		
04:15 Volume	0	0	2	2	0	17	0	17	0	16	0	16	35
Peak Factor													0.807
High Int.	04:00 PM				04:15 PM				04:00 PM				
Volume	1	0	1	2	0	17	0	17	1	15	0	16	
Peak Factor				0.875				0.765				0.844	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:00 PM				04:00 PM				04:00 PM				
Volume	2	0	5	7	0	51	1	52	3	51	0	54	
Percent	28.6	0.0	71.4		0.0	98.1	1.9		5.6	94.4	0.0		
High Int.	04:00 PM				04:15 PM				04:00 PM				
Volume	1	0	1	2	0	17	0	17	1	15	0	16	
Peak Factor				0.875				0.765				0.844	

Turning Movement Count

Adams Traffic
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Weather: Clear

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Groups Printed- U-Turns

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
*** BREAK ***													
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %													

	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:00 AM												
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
07:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor													0.000
High Int.	6:45:00 AM				6:45:00 AM				6:45:00 AM				
Volume													
Peak Factor													
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:00 AM				07:00 AM				07:00 AM				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	-	-	-		-	-	-		-	-	-		
High Int.	-				-				-				
Volume	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				-				-				-	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:00 PM												
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
04:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor													0.000
High Int.													
Volume													
Peak Factor													

Turning Movement Count

Adams Traffic
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	PASCO ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:00 PM				04:00 PM				04:00 PM				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	-	-	-		-	-	-		-	-	-		
High Int.	-				-				-				
Volume	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				-				-				-	

Adams Traffic, Inc.
P.O. Box 997
Plant City, FL 33564
Tel:(813) 763-7763 Fax:(813) 659-8688

Project No.: 04243

Turning Movement Count
Field Data Sheet

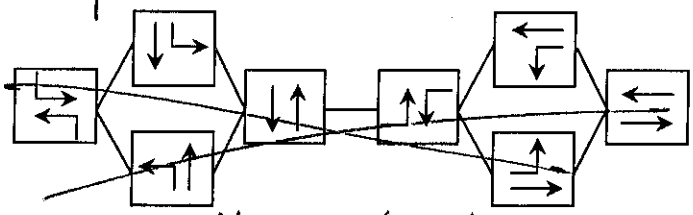
Date: 10/20/04 Count Times: 7-9am & 4-6pm

Major Street: SR 52 Direction: E-W Speed Limit: 55 mph

Minor Street: Mckendree Rd. / Corporate Lake Blvd. Direction: N-S Speed Limit: 30 mph

City/County: San Antonio / Pasco Weather: Clear

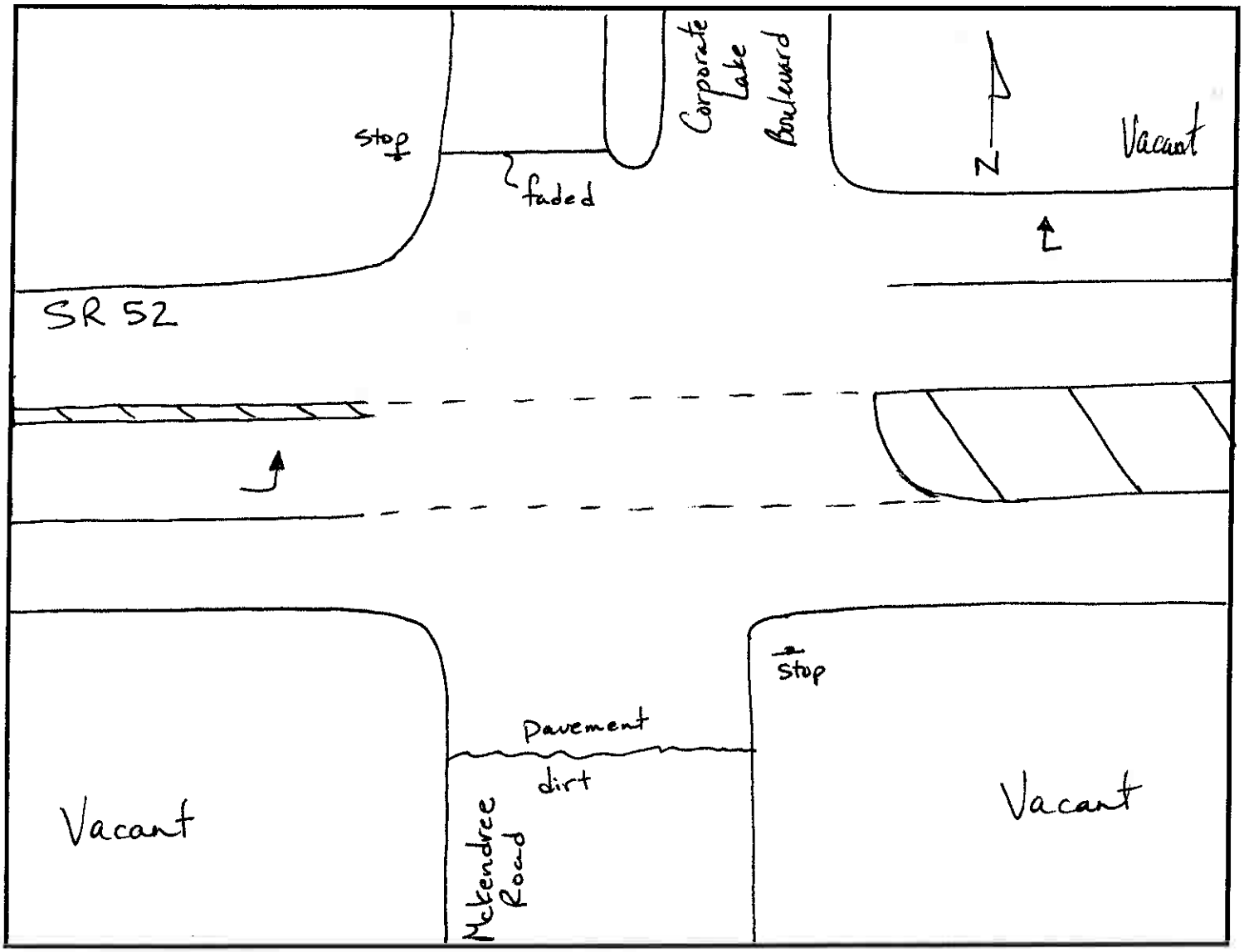
Phasing:



3 Cycles Measured:

Unsignalized

Intersection Sketch



Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
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Groups Printed- Passenger Vehicles - Heavy Vehicles - U-Turns

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	5	5	1	103	2	106	0	0	0	0	3	131	1	135	246
07:15 AM	1	0	3	4	0	141	8	149	0	0	1	1	7	114	0	121	275
07:30 AM	4	0	2	6	0	134	5	139	1	0	0	1	4	181	0	185	331
07:45 AM	1	0	1	2	0	122	13	135	1	0	1	2	6	177	0	183	322
Total	6	0	11	17	1	500	28	529	2	0	2	4	20	603	1	624	1174
08:00 AM	1	0	0	1	0	107	9	116	1	0	0	1	3	148	0	151	269
08:15 AM	2	1	4	7	0	98	10	108	0	0	0	0	6	133	1	140	255
08:30 AM	2	0	4	6	0	102	7	109	1	0	2	3	5	124	0	129	247
08:45 AM	3	0	3	6	2	91	8	101	0	0	1	1	4	126	0	130	238
Total	8	1	11	20	2	398	34	434	2	0	3	5	18	531	1	550	1009
*** BREAK ***																	
04:00 PM	6	1	6	13	1	149	2	152	1	2	1	4	5	134	0	139	308
04:15 PM	5	1	2	8	0	120	1	121	0	1	0	1	0	147	0	147	277
04:30 PM	6	0	4	10	0	123	2	125	2	0	0	2	2	132	3	137	274
04:45 PM	8	0	3	11	0	135	5	140	0	0	0	0	3	155	1	159	310
Total	25	2	15	42	1	527	10	538	3	3	1	7	10	568	4	582	1169
05:00 PM	24	0	17	41	0	140	2	142	2	0	0	2	0	146	0	146	331
05:15 PM	10	0	2	12	1	161	0	162	0	0	1	1	1	175	1	177	352
05:30 PM	6	0	3	9	1	115	1	117	2	0	2	4	0	157	1	158	288
05:45 PM	4	0	1	5	0	97	0	97	1	0	0	1	1	133	0	134	237
Total	44	0	23	67	2	513	3	518	5	0	3	8	2	611	2	615	1208
*** BREAK ***																	
Grand Total	83	3	60	146	6	1938	75	2019	12	3	9	24	50	2313	8	2371	4560
Apprch %	56.8	2.1	41.1		0.3	96.0	3.7		50.0	12.5	37.5		2.1	97.6	0.3		
Total %	1.8	0.1	1.3	3.2	0.1	42.5	1.6	44.3	0.3	0.1	0.2	0.5	1.1	50.7	0.2	52.0	

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:15 AM																
Volume	7	0	6	13	0	504	35	539	3	0	2	5	20	620	0	640	1197
Percent	53.8	0.0	46.2		0.0	93.5	6.5		60.0	0.0	40.0		3.1	96.9	0.0		
07:30 Volume	4	0	2	6	0	134	5	139	1	0	0	1	4	181	0	185	331
Peak Factor																	0.904
High Int.	07:30 AM				07:15 AM				07:45 AM				07:30 AM				
Volume	4	0	2	6	0	141	8	149	1	0	1	2	4	181	0	185	
Peak Factor				0.542				0.904				0.625				0.865	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
Start Date : 10/20/2004
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	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
By Approach	08:00 AM				07:15 AM				07:45 AM				07:30 AM				
Volume	8	1	11	20	0	504	35	539	3	0	3	6	19	639	1	659	
Percent	40.0	5.0	55.0		0.0	93.5	6.5		50.0	0.0	50.0		2.9	97.0	0.2		
High Int.	08:15 AM				07:15 AM				08:30 AM				07:30 AM				
Volume	2	1	4	7	0	141	8	149	1	0	2	3	4	181	0	185	
Peak Factor				0.714				0.904				0.500				0.891	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
Intersection	04:45 PM																
Volume	48	0	25	73	2	551	8	561	4	0	3	7	4	633	3	640	1281
Percent	65.8	0.0	34.2		0.4	98.2	1.4		57.1	0.0	42.9		0.6	98.9	0.5		
05:15 Volume	10	0	2	12	1	161	0	162	0	0	1	1	1	175	1	177	352
Peak Factor																	0.910
High Int.	05:00 PM				05:15 PM				05:30 PM				05:15 PM				
Volume	24	0	17	41	1	161	0	162	2	0	2	4	1	175	1	177	
Peak Factor				0.445				0.866				0.438				0.904	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
By Approach	04:30 PM				04:30 PM				05:00 PM				04:45 PM				
Volume	48	0	26	74	1	559	9	569	5	0	3	8	4	633	3	640	
Percent	64.9	0.0	35.1		0.2	98.2	1.6		62.5	0.0	37.5		0.6	98.9	0.5		
High Int.	05:00 PM				05:15 PM				05:30 PM				05:15 PM				
Volume	24	0	17	41	1	161	0	162	2	0	2	4	1	175	1	177	
Peak Factor				0.451				0.878				0.500				0.904	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
Start Date : 10/20/2004
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Groups Printed- Passenger Vehicles

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	4	4	1	94	2	97	0	0	0	0	3	116	0	119	220
07:15 AM	1	0	2	3	0	114	8	122	0	0	1	1	6	104	0	110	236
07:30 AM	4	0	0	4	0	114	4	118	1	0	0	1	4	160	0	164	287
07:45 AM	1	0	0	1	0	104	12	116	0	0	1	1	6	161	0	167	285
Total	6	0	6	12	1	426	26	453	1	0	2	3	19	541	0	560	1028
08:00 AM	1	0	0	1	0	84	8	92	1	0	0	1	3	115	0	118	212
08:15 AM	2	1	4	7	0	82	7	89	0	0	0	0	5	117	1	123	219
08:30 AM	2	0	3	5	0	85	4	89	1	0	2	3	4	109	0	113	210
08:45 AM	1	0	2	3	2	72	6	80	0	0	1	1	4	116	0	120	204
Total	6	1	9	16	2	323	25	350	2	0	3	5	16	457	1	474	845
*** BREAK ***																	
04:00 PM	6	1	5	12	1	136	2	139	1	2	1	4	4	122	0	126	281
04:15 PM	3	1	2	6	0	104	1	105	0	1	0	1	0	131	0	131	243
04:30 PM	6	0	4	10	0	111	2	113	1	0	0	1	2	124	3	129	253
04:45 PM	8	0	3	11	0	126	3	129	0	0	0	0	1	147	1	149	289
Total	23	2	14	39	1	477	8	486	2	3	1	6	7	524	4	535	1066
05:00 PM	22	0	17	39	0	138	1	139	1	0	0	1	0	135	0	135	314
05:15 PM	10	0	2	12	1	154	0	155	0	0	1	1	1	163	1	165	333
05:30 PM	6	0	3	9	1	108	1	110	2	0	2	4	0	151	1	152	275
05:45 PM	4	0	1	5	0	91	0	91	1	0	0	1	1	126	0	127	224
Total	42	0	23	65	2	491	2	495	4	0	3	7	2	575	2	579	1146
*** BREAK ***																	
Grand Total	77	3	52	132	6	1717	61	1784	9	3	9	21	44	2097	7	2148	4085
Apprch %	58.3	2.3	39.4		0.3	96.2	3.4		42.9	14.3	42.9		2.0	97.6	0.3		
Total %	1.9	0.1	1.3	3.2	0.1	42.0	1.5	43.7	0.2	0.1	0.2	0.5	1.1	51.3	0.2	52.6	

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:00 AM																
Volume	6	0	6	12	1	426	26	453	1	0	2	3	19	541	0	560	1028
Percent	50.0	0.0	50.0		0.2	94.0	5.7		33.3	0.0	66.7		3.4	96.6	0.0		
07:30 Volume	4	0	0	4	0	114	4	118	1	0	0	1	4	160	0	164	287
Peak Factor																	0.895
High Int.	07:00 AM				07:15 AM				07:15 AM				07:45 AM				
Volume	0	0	4	4	0	114	8	122	0	0	1	1	6	161	0	167	
Peak Factor				0.750				0.928				0.750				0.838	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
Start Date : 10/20/2004
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	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
By Approach	08:00 AM				07:00 AM				07:45 AM				07:30 AM				
Volume	6	1	9	16	1	426	26	453	2	0	3	5	18	553	1	572	
Percent	37.5	6.3	56.3		0.2	94.0	5.7		40.0	0.0	60.0		3.1	96.7	0.2		
High Int.	08:15 AM				07:15 AM				08:30 AM				07:45 AM				
Volume	2	1	4	7	0	114	8	122	1	0	2	3	6	161	0	167	
Peak Factor				0.571				0.928				0.417				0.856	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
Intersection	04:45 PM																
Volume	46	0	25	71	2	526	5	533	3	0	3	6	2	596	3	601	1211
Percent	64.8	0.0	35.2		0.4	98.7	0.9		50.0	0.0	50.0		0.3	99.2	0.5		
05:15 Volume	10	0	2	12	1	154	0	155	0	0	1	1	1	163	1	165	333
Peak Factor																	0.909
High Int.	05:00 PM				05:15 PM				05:30 PM				05:15 PM				
Volume	22	0	17	39	1	154	0	155	2	0	2	4	1	163	1	165	
Peak Factor				0.455				0.860				0.375				0.911	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
By Approach	04:30 PM				04:30 PM				05:00 PM				04:45 PM				
Volume	46	0	26	72	1	529	6	536	4	0	3	7	2	596	3	601	
Percent	63.9	0.0	36.1		0.2	98.7	1.1		57.1	0.0	42.9		0.3	99.2	0.5		
High Int.	05:00 PM				05:15 PM				05:30 PM				05:15 PM				
Volume	22	0	17	39	1	154	0	155	2	0	2	4	1	163	1	165	
Peak Factor				0.462				0.865				0.438				0.911	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
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Groups Printed- Heavy Vehicles

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	0	1	1	0	9	0	9	0	0	0	0	0	15	1	16	26
07:15 AM	0	0	1	1	0	27	0	27	0	0	0	0	1	10	0	11	39
07:30 AM	0	0	2	2	0	20	1	21	0	0	0	0	0	21	0	21	44
07:45 AM	0	0	1	1	0	18	1	19	1	0	0	1	0	16	0	16	37
Total	0	0	5	5	0	74	2	76	1	0	0	1	1	62	1	64	146
08:00 AM	0	0	0	0	0	23	1	24	0	0	0	0	0	33	0	33	57
08:15 AM	0	0	0	0	0	16	3	19	0	0	0	0	1	16	0	17	36
08:30 AM	0	0	1	1	0	17	3	20	0	0	0	0	1	15	0	16	37
08:45 AM	1	0	1	2	0	19	2	21	0	0	0	0	0	10	0	10	33
Total	1	0	2	3	0	75	9	84	0	0	0	0	2	74	0	76	163
*** BREAK ***																	
04:00 PM	0	0	1	1	0	13	0	13	0	0	0	0	1	12	0	13	27
04:15 PM	2	0	0	2	0	16	0	16	0	0	0	0	0	16	0	16	34
04:30 PM	0	0	0	0	0	12	0	12	1	0	0	1	0	8	0	8	21
04:45 PM	0	0	0	0	0	9	2	11	0	0	0	0	2	8	0	10	21
Total	2	0	1	3	0	50	2	52	1	0	0	1	3	44	0	47	103
05:00 PM	2	0	0	2	0	2	1	3	1	0	0	1	0	11	0	11	17
05:15 PM	0	0	0	0	0	7	0	7	0	0	0	0	0	12	0	12	19
05:30 PM	0	0	0	0	0	7	0	7	0	0	0	0	0	6	0	6	13
05:45 PM	0	0	0	0	0	6	0	6	0	0	0	0	0	7	0	7	13
Total	2	0	0	2	0	22	1	23	1	0	0	1	0	36	0	36	62
*** BREAK ***																	
Grand Total	5	0	8	13	0	221	14	235	3	0	0	3	6	216	1	223	474
Apprch %	38.5	0.0	61.5		0.0	94.0	6.0		100.0	0.0	0.0		2.7	96.9	0.4		
Total %	1.1	0.0	1.7	2.7	0.0	46.6	3.0	49.6	0.6	0.0	0.0	0.6	1.3	45.6	0.2	47.0	

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:15 AM																
Volume	0	0	4	4	0	88	3	91	1	0	0	1	1	80	0	81	177
Percent	0.0	0.0	100.0		0.0	96.7	3.3		100.0	0.0	0.0		1.2	98.8	0.0		
08:00 Volume	0	0	0	0	0	23	1	24	0	0	0	0	0	33	0	33	57
Peak Factor																	0.776
High Int.	07:30 AM				07:15 AM				07:45 AM				08:00 AM				
Volume	0	0	2	2	0	27	0	27	1	0	0	1	0	33	0	33	
Peak Factor				0.500				0.843				0.250				0.614	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
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	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
By Approach	07:00 AM				07:15 AM				07:00 AM				07:30 AM				
Volume	0	0	5	5	0	88	3	91	1	0	0	1	1	86	0	87	
Percent	0.0	0.0	100.0		0.0	96.7	3.3		100.0	0.0	0.0		1.1	98.9	0.0		
High Int.	07:30 AM				07:15 AM				07:45 AM				08:00 AM				
Volume	0	0	2	2	0	27	0	27	1	0	0	1	0	33	0	33	
Peak Factor				0.625				0.843				0.250				0.659	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
Intersection	04:00 PM																
Volume	2	0	1	3	0	50	2	52	1	0	0	1	3	44	0	47	103
Percent	66.7	0.0	33.3		0.0	96.2	3.8		100.0	0.0	0.0		6.4	93.6	0.0		
04:15 Volume	2	0	0	2	0	16	0	16	0	0	0	0	0	16	0	16	34
Peak Factor																	0.757
High Int.	04:15 PM				04:15 PM				04:30 PM				04:15 PM				
Volume	2	0	0	2	0	16	0	16	1	0	0	1	0	16	0	16	
Peak Factor				0.375				0.813				0.250				0.734	
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
By Approach	04:15 PM				04:00 PM				04:15 PM				04:00 PM				
Volume	4	0	0	4	0	50	2	52	2	0	0	2	3	44	0	47	
Percent	100.0	0.0	0.0		0.0	96.2	3.8		100.0	0.0	0.0		6.4	93.6	0.0		
High Int.	04:15 PM				04:15 PM				04:30 PM				04:15 PM				
Volume	2	0	0	2	0	16	0	16	1	0	0	1	0	16	0	16	
Peak Factor				0.500				0.813				0.500				0.734	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
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Groups Printed- U-Turns

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
*** BREAK ***																	
08:45 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
*** BREAK ***																	
Grand Total	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Apprch %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	08:00 AM																
Volume	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Percent	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
08:45 Volume	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Peak Factor																	
High Int.	08:45 AM				6:45:00 AM				6:45:00 AM				6:45:00 AM				0.250
Volume	1	0	0	1													
Peak Factor				0.250													
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
By Approach	08:00 AM				07:00 AM				07:00 AM				07:00 AM				
Volume	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	100.0	0.0	0.0		-	-	-	-	-	-	-	-	-	-	-	-	
High Int.	08:45 AM																
Volume	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				0.250													
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
Intersection	04:00 PM																
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
04:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor																	
High Int.																	0.000
Volume																	
Peak Factor																	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&mckendree
Site Code : 00004243
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	CORPORATE LAKE BOULEVARD Southbound				SR 52 Westbound				MCKENDREE ROAD Northbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 04:00 PM to 06:00 PM - Peak 1 of 1																	
By Approach	04:00 PM				04:00 PM				04:00 PM				04:00 PM				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	-	-	-		-	-	-		-	-	-		-	-	-		
High Int.	-				-				-				-				
Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				-				-				-				-	

Adams Traffic, Inc.
P.O. Box 997
Plant City, FL 33564
Tel:(813) 763-7763 Fax:(813) 659-8688

Project No.: 04243

Turning Movement Count
Field Data Sheet

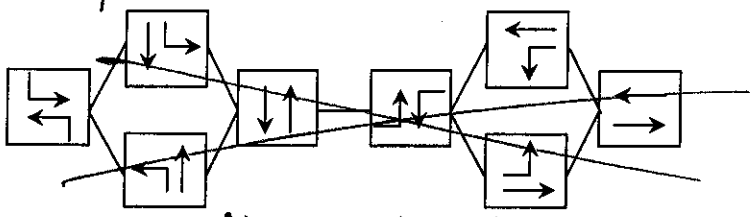
Date: 10/21/04 Count Times: 7-9am & 4-6pm

Major Street: SR 52 Direction: E-W Speed Limit: 55 mph

Minor Street: Emmaus Cemetery Road Direction: N-S Speed Limit: 30 mph

City/County: San Antonio / Pasco Weather: Clear

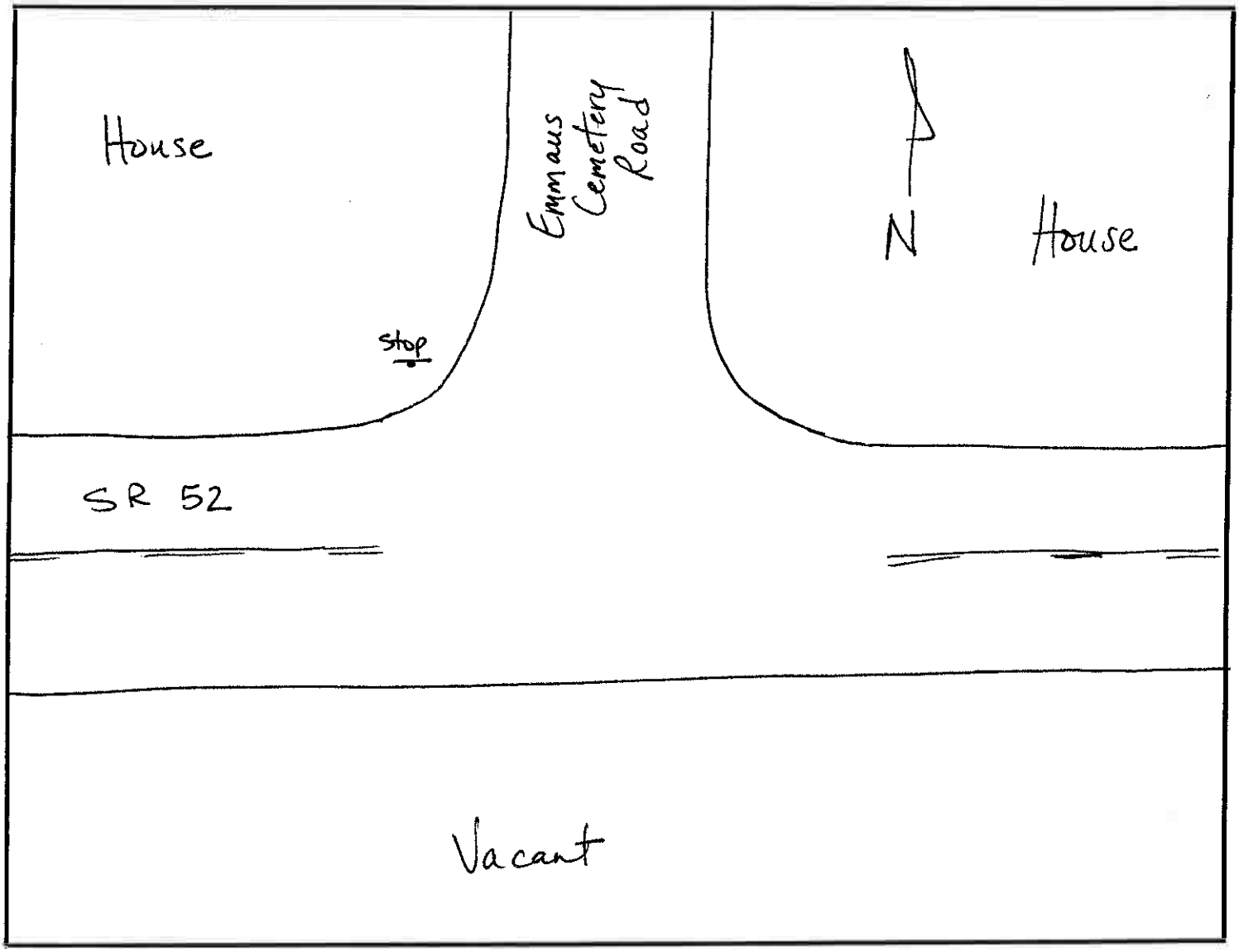
Phasing:



3 Cycles Measured:

Unsignalized

Intersection Sketch



Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

File Name : sr52&emmaus
Site Code : 00004243
Start Date : 10/21/2004
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Groups Printed- Passenger Vehicles - Heavy Vehicles - U-Turns

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	5	0	1	6	0	116	2	118	1	117	0	118	242
07:15 AM	7	0	3	10	0	121	0	121	0	123	0	123	254
07:30 AM	10	0	3	13	0	150	1	151	0	161	0	161	325
07:45 AM	7	0	2	9	0	145	2	147	1	163	0	164	320
Total	29	0	9	38	0	532	5	537	2	564	0	566	1141
08:00 AM	1	0	0	1	0	115	3	118	1	147	0	148	267
08:15 AM	3	0	4	7	0	103	1	104	2	129	0	131	242
08:30 AM	6	0	4	10	0	68	2	70	1	128	0	129	209
08:45 AM	1	0	1	2	0	103	0	103	2	131	0	133	238
Total	11	0	9	20	0	389	6	395	6	535	0	541	956
*** BREAK ***													
04:00 PM	4	0	3	7	0	124	3	127	3	141	0	144	278
04:15 PM	1	0	4	5	0	134	2	136	5	163	0	168	309
04:30 PM	2	0	0	2	0	126	9	135	2	158	0	160	297
04:45 PM	1	0	2	3	0	135	7	142	0	171	0	171	316
Total	8	0	9	17	0	519	21	540	10	633	0	643	1200
05:00 PM	4	0	3	7	0	136	0	136	2	175	0	177	320
05:15 PM	7	0	10	17	0	163	4	167	2	176	0	178	362
05:30 PM	13	0	4	17	0	104	3	107	2	158	0	160	284
05:45 PM	0	0	0	0	0	115	2	117	0	156	0	156	273
Total	24	0	17	41	0	518	9	527	6	665	0	671	1239
Grand Total	72	0	44	116	0	1958	41	1999	24	2397	0	2421	4536
Apprch %	62.1	0.0	37.9		0.0	97.9	2.1		1.0	99.0	0.0		
Total %	1.6	0.0	1.0	2.6	0.0	43.2	0.9	44.1	0.5	52.8	0.0	53.4	

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:15 AM												
Volume	25	0	8	33	0	531	6	537	2	594	0	596	1166
Percent	75.8	0.0	24.2		0.0	98.9	1.1		0.3	99.7	0.0		
07:30 Volume	10	0	3	13	0	150	1	151	0	161	0	161	325
Peak Factor													0.897
High Int.	07:30 AM				07:30 AM				07:45 AM				
Volume	10	0	3	13	0	150	1	151	1	163	0	164	
Peak Factor				0.635				0.889				0.909	

Turning Movement Count

Adams Traffic
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	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:00 AM				07:00 AM				07:30 AM				
Volume	29	0	9	38	0	532	5	537	4	600	0	604	
Percent	76.3	0.0	23.7		0.0	99.1	0.9		0.7	99.3	0.0		
High Int.	07:30 AM				07:30 AM				07:45 AM				
Volume	10	0	3	13	0	150	1	151	1	163	0	164	
Peak Factor				0.731				0.889				0.921	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:30 PM												
Volume	14	0	15	29	0	560	20	580	6	680	0	686	1295
Percent	48.3	0.0	51.7		0.0	96.6	3.4		0.9	99.1	0.0		
05:15 Volume	7	0	10	17	0	163	4	167	2	176	0	178	362
Peak Factor													0.894
High Int.	05:15 PM				05:15 PM				05:15 PM				
Volume	7	0	10	17	0	163	4	167	2	176	0	178	
Peak Factor				0.426				0.868				0.963	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:45 PM				04:30 PM				04:30 PM				
Volume	25	0	19	44	0	560	20	580	6	680	0	686	
Percent	56.8	0.0	43.2		0.0	96.6	3.4		0.9	99.1	0.0		
High Int.	05:15 PM				05:15 PM				05:15 PM				
Volume	7	0	10	17	0	163	4	167	2	176	0	178	
Peak Factor				0.647				0.868				0.963	

Turning Movement Count

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Groups Printed- Passenger Vehicles

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	3	0	1	4	0	109	2	111	1	101	0	102	217
07:15 AM	5	0	0	5	0	106	0	106	0	106	0	106	217
07:30 AM	4	0	1	5	0	133	1	134	0	146	0	146	285
07:45 AM	3	0	1	4	0	127	2	129	1	150	0	151	284
Total	15	0	3	18	0	475	5	480	2	503	0	505	1003
08:00 AM	1	0	0	1	0	100	3	103	1	130	0	131	235
08:15 AM	3	0	4	7	0	84	1	85	1	108	0	109	201
08:30 AM	4	0	2	6	0	62	2	64	1	109	0	110	180
08:45 AM	1	0	1	2	0	83	0	83	1	118	0	119	204
Total	9	0	7	16	0	329	6	335	4	465	0	469	820
*** BREAK ***													
04:00 PM	4	0	1	5	0	108	2	110	1	124	0	125	240
04:15 PM	1	0	3	4	0	122	1	123	1	155	0	156	283
04:30 PM	2	0	0	2	0	115	4	119	2	137	0	139	260
04:45 PM	1	0	1	2	0	131	5	136	0	162	0	162	300
Total	8	0	5	13	0	476	12	488	4	578	0	582	1083
05:00 PM	4	0	3	7	0	124	0	124	2	170	0	172	303
05:15 PM	7	0	10	17	0	155	3	158	2	162	0	164	339
05:30 PM	13	0	4	17	0	98	2	100	2	147	0	149	266
05:45 PM	0	0	0	0	0	108	2	110	0	144	0	144	254
Total	24	0	17	41	0	485	7	492	6	623	0	629	1162
Grand Total	56	0	32	88	0	1765	30	1795	16	2169	0	2185	4068
Apprch %	63.6	0.0	36.4		0.0	98.3	1.7		0.7	99.3	0.0		
Total %	1.4	0.0	0.8	2.2	0.0	43.4	0.7	44.1	0.4	53.3	0.0	53.7	

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:15 AM												
Volume	13	0	2	15	0	466	6	472	2	532	0	534	1021
Percent	86.7	0.0	13.3		0.0	98.7	1.3		0.4	99.6	0.0		
07:30 Volume	4	0	1	5	0	133	1	134	0	146	0	146	285
Peak Factor													0.896
High Int.	07:15 AM				07:30 AM				07:45 AM				
Volume	5	0	0	5	0	133	1	134	1	150	0	151	
Peak Factor				0.750				0.881				0.884	

Turning Movement Count

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	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:00 AM				07:00 AM				07:30 AM				
Volume	15	0	3	18	0	475	5	480	3	534	0	537	
Percent	83.3	0.0	16.7		0.0	99.0	1.0		0.6	99.4	0.0		
High Int.	07:15 AM				07:30 AM				07:45 AM				
Volume	5	0	0	5	0	133	1	134	1	150	0	151	
Peak Factor				0.900				0.896				0.889	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:45 PM												
Volume	25	0	18	43	0	508	10	518	6	641	0	647	1208
Percent	58.1	0.0	41.9		0.0	98.1	1.9		0.9	99.1	0.0		
05:15 Volume	7	0	10	17	0	155	3	158	2	162	0	164	339
Peak Factor													0.891
High Int.	05:15 PM				05:15 PM				05:00 PM				
Volume	7	0	10	17	0	155	3	158	2	170	0	172	
Peak Factor				0.632				0.820				0.940	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:45 PM				04:30 PM				04:45 PM				
Volume	25	0	18	43	0	525	12	537	6	641	0	647	
Percent	58.1	0.0	41.9		0.0	97.8	2.2		0.9	99.1	0.0		
High Int.	05:15 PM				05:15 PM				05:00 PM				
Volume	7	0	10	17	0	155	3	158	2	170	0	172	
Peak Factor				0.632				0.850				0.940	

Turning Movement Count

Adams Traffic
(813) 763-7763
City/County: San Antonio/Pasco
Weather: Clear

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Groups Printed- Heavy Vehicles

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	2	0	0	2	0	7	0	7	0	16	0	16	25
07:15 AM	2	0	3	5	0	15	0	15	0	17	0	17	37
07:30 AM	6	0	2	8	0	17	0	17	0	15	0	15	40
07:45 AM	4	0	1	5	0	18	0	18	0	13	0	13	36
Total	14	0	6	20	0	57	0	57	0	61	0	61	138
08:00 AM	0	0	0	0	0	15	0	15	0	17	0	17	32
08:15 AM	0	0	0	0	0	19	0	19	1	21	0	22	41
08:30 AM	2	0	2	4	0	6	0	6	0	19	0	19	29
08:45 AM	0	0	0	0	0	20	0	20	1	13	0	14	34
Total	2	0	2	4	0	60	0	60	2	70	0	72	136
*** BREAK ***													
04:00 PM	0	0	2	2	0	16	1	17	2	17	0	19	38
04:15 PM	0	0	1	1	0	12	1	13	4	8	0	12	26
04:30 PM	0	0	0	0	0	11	5	16	0	21	0	21	37
04:45 PM	0	0	1	1	0	4	2	6	0	9	0	9	16
Total	0	0	4	4	0	43	9	52	6	55	0	61	117
05:00 PM	0	0	0	0	0	12	0	12	0	5	0	5	17
05:15 PM	0	0	0	0	0	8	1	9	0	14	0	14	23
05:30 PM	0	0	0	0	0	6	1	7	0	11	0	11	18
05:45 PM	0	0	0	0	0	7	0	7	0	12	0	12	19
Total	0	0	0	0	0	33	2	35	0	42	0	42	77
Grand Total	16	0	12	28	0	193	11	204	8	228	0	236	468
Apprch %	57.1	0.0	42.9		0.0	94.6	5.4		3.4	96.6	0.0		
Total %	3.4	0.0	2.6	6.0	0.0	41.2	2.4	43.6	1.7	48.7	0.0	50.4	

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:30 AM												
Volume	10	0	3	13	0	69	0	69	1	66	0	67	149
Percent	76.9	0.0	23.1		0.0	100.0	0.0		1.5	98.5	0.0		
08:15 Volume	0	0	0	0	0	19	0	19	1	21	0	22	41
Peak Factor													0.909
High Int.	07:30 AM				08:15 AM				08:15 AM				
Volume	6	0	2	8	0	19	0	19	1	21	0	22	
Peak Factor				0.406				0.908				0.761	

Turning Movement Count

Adams Traffic
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	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:00 AM				07:30 AM				08:00 AM				
Volume	14	0	6	20	0	69	0	69	2	70	0	72	
Percent	70.0	0.0	30.0		0.0	100.0	0.0		2.8	97.2	0.0		
High Int.	07:30 AM				08:15 AM				08:15 AM				
Volume	6	0	2	8	0	19	0	19	1	21	0	22	
Peak Factor				0.625				0.908				0.818	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:00 PM												
Volume	0	0	4	4	0	43	9	52	6	55	0	61	117
Percent	0.0	0.0	100.0		0.0	82.7	17.3		9.8	90.2	0.0		
04:00 Volume	0	0	2	2	0	16	1	17	2	17	0	19	38
Peak Factor													0.770
High Int.	04:00 PM				04:00 PM				04:30 PM				
Volume	0	0	2	2	0	16	1	17	0	21	0	21	
Peak Factor				0.500				0.765				0.726	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:00 PM				04:00 PM				04:00 PM				
Volume	0	0	4	4	0	43	9	52	6	55	0	61	
Percent	0.0	0.0	100.0		0.0	82.7	17.3		9.8	90.2	0.0		
High Int.	04:00 PM				04:00 PM				04:30 PM				
Volume	0	0	2	2	0	16	1	17	0	21	0	21	
Peak Factor				0.500				0.765				0.726	

Turning Movement Count

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Groups Printed- U-Turns

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
*** BREAK ***													
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %													

	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
Intersection	07:00 AM												
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
07:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor													0.000
High Int.	6:45:00 AM				6:45:00 AM				6:45:00 AM				
Volume													
Peak Factor													
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1													
By Approach	07:00 AM				07:00 AM				07:00 AM				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	-	-	-		-	-	-		-	-	-		
High Int.	-				-				-				
Volume	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				-				-				-	
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
Intersection	04:00 PM												
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
04:45 Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Factor													0.000
High Int.													
Volume													
Peak Factor													

Turning Movement Count

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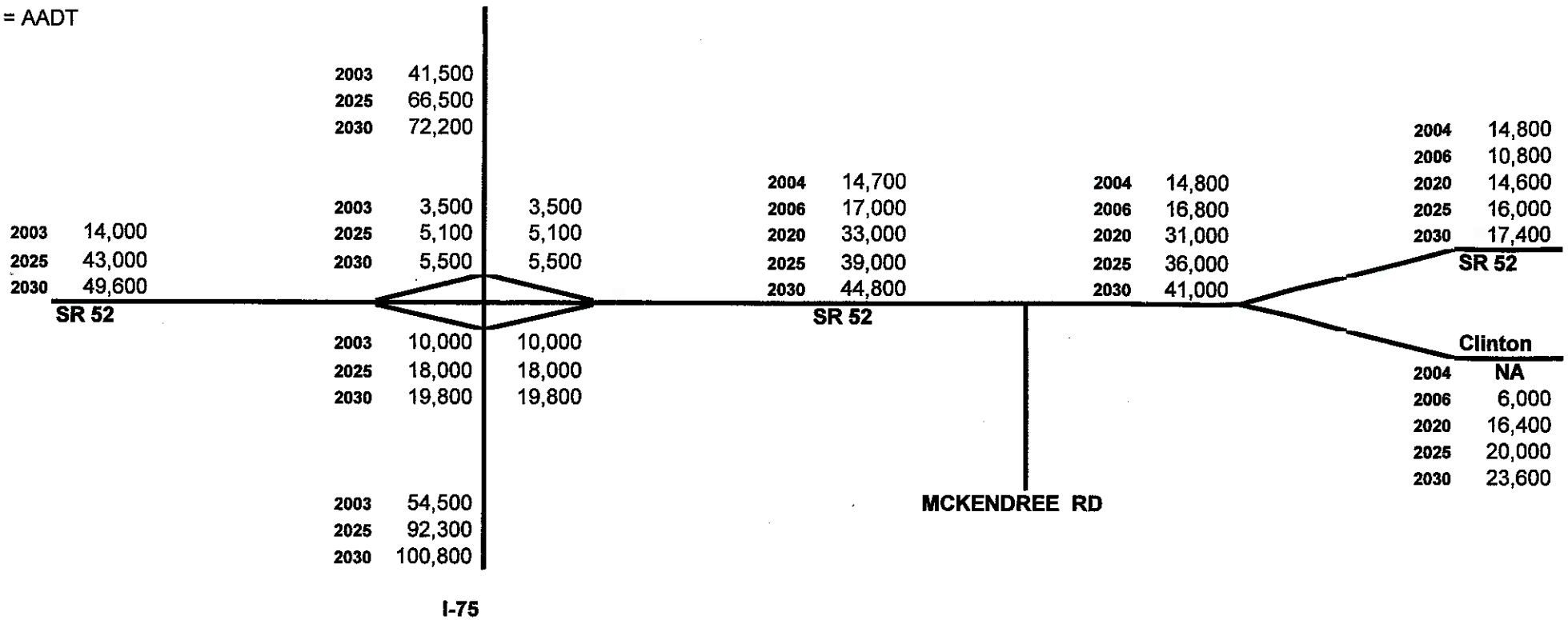
	EMMAUS CEMETERY ROAD Southbound				SR 52 Westbound				SR 52 Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1													
By Approach	04:00 PM				04:00 PM				04:00 PM				
Volume	0	0	0	0	0	0	0	0	0	0	0	0	
Percent	-	-	-		-	-	-		-	-	-		
High Int.	-				-				-				
Volume	-	-	-	-	-	-	-	-	-	-	-	-	
Peak Factor				-				-				-	

APPENDIX E

Traffic Volume Projections

12-14-04

XXX = AADT



Notes:

1. The current 2003 AADTs are from Florida Traffic CD
2. The 2004 AADTs are from Wilson Miller
3. The 2025 AADT's are converted from PSWADT 2025 Cost Affordable Model (TBRPM v5.0).
4. The 2020 AADT's are interpolated and 2030 AADT's are extrapolated data.

APPENDIX F

Generalized Service Volumes

TABLE 4 – 8
GENERALIZED **PEAK HOUR DIRECTIONAL** VOLUMES FOR FLORIDA'S **AREAS TRANSITIONING INTO URBANIZED AREAS** OR **AREAS OVER 5,000 NOT IN URBANIZED AREAS***

UNINTERRUPTED FLOW HIGHWAYS

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	100	330	620	870	1,200
2	Divided	980	1,590	2,300	2,980	3,390
3	Divided	1,470	2,390	3,460	4,470	5,080

STATE TWO-WAY ARTERIALS

Class I (>0.00 to 1.99 signalized intersections per mile)

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	**	210	690	820	860
2	Divided	240	1,470	1,730	1,810	***
3	Divided	370	2,260	2,600	2,710	***

Class II (2.00 to 4.50 signalized intersections per mile)

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	**	**	560	760	810
2	Divided	**	200	1,290	1,620	1,700
3	Divided	**	320	2,000	2,430	2,560

Class III (more than 4.5 signalized intersections per mile)

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	**	**	260	620	770
2	Divided	**	**	620	1,440	1,630
3	Divided	**	**	970	2,220	2,450

NON-STATE ROADWAYS

Major City/County Roadways

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	**	**	370	720	770
2	Divided	**	**	870	1,550	1,630
3	Divided	**	**	1,360	2,330	2,450

Other Signalized Roadways
(signalized intersection analysis)

Lanes	Divided	Level of Service A	B	C	D	E
1	Undivided	**	**	230	490	630
2	Divided	**	**	540	1,070	1,270

Source: Florida Department of Transportation 02/22/02
Systems Planning Office
605 Suwannee Street, MS 19
Tallahassee, FL 32399-0450
http://www11.myflorida.com/planning/systems/sm/los/default.htm

FREEWAYS

Lanes	Level of Service A	B	C	D	E
2	1,290	2,130	2,890	3,420	3,800
3	2,000	3,290	4,460	5,280	5,870
4	2,700	4,450	6,030	7,140	7,940
5	3,400	5,600	7,610	9,010	10,010

BICYCLE MODE

(**Note:** Level of service for the bicycle mode in this table is based on roadway geometrics at 40 mph posted speed and traffic conditions, not number of bicyclists using the facility.) (Multiply motorized vehicle volumes shown below by number of directional roadway lanes to determine maximum service volumes.)

Paved Shoulder/ Bicycle Lane Coverage	Level of Service A	B	C	D	E
0-49%	**	100	170	720	>720
50-84%	**	130	210	>210	***
85-100%	170	380	>380	***	***

PEDESTRIAN MODE

(**Note:** Level of service for the pedestrian mode in this table is based on roadway geometric at 40 mph posted speed and traffic conditions, not number of pedestrians using the facility.) (Multiply motorized vehicle volumes shown by number of directional roadway lanes to determine maximum service volumes.)

Sidewalk Coverage	Level of Service A	B	C	D	E
0-49%	**	**	**	330	810
50-84%	**	**	**	520	990
85-100%	**	120	590	>590	***

ARTERIAL/NON-STATE ROADWAY ADJUSTMENTS

DIVIDED/UNDIVIDED

Lanes	Median	Left Turn Lanes	Adjustment Factors
1	Divided	Yes	+5%
1	Undivided	No	-20%
Multi	Undivided	Yes	-5%
Multi	Undivided	No	-25%

ONE-WAY FACILITIES

Increase corresponding volume 20%.

*This table does not constitute a standard and should be used only for general planning applications. The computer models from which this table is derived should be used for more specific planning applications The table and deriving computer models should not be used for corridor or intersection design, where more refined techniques exist. Values shown are hourly two-way volumes for levels of service and are for the automobile/truck modes unless specifically stated. Level of service letter grade thresholds are probably not comparable across modes and, therefore, cross modal comparisons should be made with caution. Furthermore, combining levels of service of different modes into one overall roadway level of service is not recommended. The table's input value defaults and level of service criteria appear on the following page. Calculations are based on planning applications of the Highway Capacity Manual, Bicycle LOS Model and Pedestrian LOS Model, respectively for the automobile/truck, bicycle and pedestrian modes.
**Cannot be achieved using table input value defaults.
***Not applicable for the level of service letter grade. For automobile/truck modes, volumes greater than level of service D become F because intersection capacities have been reached. For bicycle and pedestrian modes, the level of service letter grade (including F) is not achievable, because there is no maximum vehicle volume threshold using table input value defaults.

APPENDIX G

HCS Analysis

SR 52 / Pasco Road

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2004
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - Existing Conditions
East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	39	740	0	0	579	12
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	43	822	0	0	643	13
Proportion of heavy vehicles, P_{HV}	16	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	1	1	0	0	1	0
Configuration	L	T				TR
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	39	0	12
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	43	0	13
Proportion of heavy vehicles, P_{HV}	0	0	0	30	0	30
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	43						56	
Capacity, c_m (vph)	868						128	
v/c ratio	0.05						0.44	
Queue length (95%)	0.16						1.92	
Control Delay (s/veh)	9.4						53.4	

LOS	A							F		
Approach delay (s/veh)	--	--					53.4			
Approach LOS	--	--					F			

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2004
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - Existing Conditions

East/West Street: SR 52 | North/South Street: Pasco Road

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	16	763	0	0	579	12
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	17	838	0	0	636	13
Proportion of heavy vehicles, P_{HV}	45	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	1	1	0	0	1	0
Configuration	L	T				TR
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	16	0	12
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	0	0	0	17	0	13
Proportion of heavy vehicles, P_{HV}	0	0	0	28	0	28
Percent grade (%)	0			0		
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	17						30	
Capacity, c_m (vph)	763						198	
v/c ratio	0.02						0.15	
Queue length (95%)	0.07						0.52	
Control Delay (s/veh)	9.8						30.2	

LOS	A							D		
Approach delay (s/veh)	--	--						30.2		
Approach LOS	--	--						D		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/1/04	Analysis Year	2006
Analysis Time Period	PM Peak Hour		
Project Description	SR 52 SEIR - 2006		
East/West Street:	SR 52	North/South Street:	Pasco Road
Intersection Orientation:	East-West	Study Period (hrs):	0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	45	856	0	0	669	14
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	50	951	0	0	743	15
Proportion of heavy vehicles, P_{HV}	16	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	45	0	14
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	50	0	15
Proportion of heavy vehicles, P_{HV}	0	0	0	30	0	30
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	50						65	
Capacity, c_m (vph)	763						298	
v/c ratio	0.07						0.22	
Queue length (95%)	0.21						0.81	
Control Delay (s/veh)	10.0						22.0	

LOS	B							C		
Approach delay (s/veh)	--	--					22.0			
Approach LOS	--	--					C			

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2006
Analysis Time Period	AM Peak Hour		

Project Description	SR 52 SEIR - 2006
East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	18	833	0	0	669	14
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	19	915	0	0	735	15
Proportion of heavy vehicles, P_{HV}	45	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	18	0	14
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	0	0	0	19	0	15
Proportion of heavy vehicles, P_{HV}	0	0	0	28	0	28
Percent grade (%)		0			0	
Flared approach		N			N	
Storage		0			0	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	19						34	
Capacity, c_m (vph)	624						200	
v/c ratio	0.03						0.17	
Queue length (95%)	0.09						0.60	
Control Delay (s/veh)	11.0						26.7	

LOS	*B*							*D*		
Approach delay (s/veh)	--	--						*26.7*		
Approach LOS	--	--						*D*		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	3/7/05	Analysis Year	2020
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - 2020
East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	87	1661	0	0	1301	27
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	96	1845	0	0	1445	30
Proportion of heavy vehicles, P_{HV}	16	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	87	0	27
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	96	0	30
Proportion of heavy vehicles, P_{HV}	0	0	0	30	0	30
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	96						126	
Capacity, c_m (vph)	389						93	
v/c ratio	0.25						1.35	
Queue length (95%)	0.96						9.24	
Control Delay (s/veh)	17.3						296.7	

LOS	C							F		
Approach delay (s/veh)	--	--						296.7		
Approach LOS	--	--						F		

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: PM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Pasco Rd
Area Type: All other areas
Jurisd: Pasco County
Year : 2020

N/S St: Pasco Road

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	0	2	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	87	1661			1301	27				87		27
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A	A			NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	6.2	61.4					7.9			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	275	1671	0.35	0.80	6.2	A		
T	2665	3350	0.69	0.80	5.0	A	5.0	A
Westbound								
T	2285	3350	0.63	0.68	8.6	A	8.5	A
R	1020	1495	0.03	0.68	4.6	A		
Northbound								
Southbound								
LR	151	1720	0.84	0.09	73.0	E	73.0	E

Intersection Delay = 8.9 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: PM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2020
Analysis Time Period	AM Peak Hour		

Project Description	SR 52 SEIR - 2020
East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	35	1713	0	0	1301	27
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	38	1882	0	0	1429	29
Proportion of heavy vehicles, P_{HV}	45	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	35	0	27
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	0	0	0	38	0	29
Proportion of heavy vehicles, P_{HV}	0	0	0	28	0	28
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	38						67	
Capacity, c_m (vph)	292						142	
v/c ratio	0.13						0.47	
Queue length (95%)	0.44						2.18	
Control Delay (s/veh)	19.2						51.2	

LOS	C			F
Approach delay (s/veh)	--	--		51.2
Approach LOS	--	--		F

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/24/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Pasco Rd
Area Type: All other areas
Jurisd: Pasco County
Year : 2020

N/S St: Pasco Road

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	0	0	2	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	35	1713			1301	27				35		27
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A	A			NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	6.0	62.3					7.2			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	277	1671	0.14	0.80	4.6	A		
T	2691	3350	0.71	0.80	4.9	A	4.9	A
Westbound								
T	2319	3350	0.62	0.69	8.0	A	8.0	A
R	1035	1495	0.03	0.69	4.4	A		
Northbound								
Southbound								
LR	135	1689	0.51	0.08	43.0	D	43.0	D

Intersection Delay = 6.9 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/24/2005
Analysis Time Period: AM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2030
Analysis Time Period	PM Peak Hour		

Project Description SR 52 SEIR - 2030

East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	119	2254	0	0	1766	36
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	132	2504	0	0	1962	40
Proportion of heavy vehicles, P_{HV}	16	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	119	0	36
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	132	0	40
Proportion of heavy vehicles, P_{HV}	0	0	0	30	0	30
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	132						172	
Capacity, c_m (vph)	235						36	
v/c ratio	0.56						4.78	
Queue length (95%)	3.10						20.19	
Control Delay (s/veh)	38.3						1923	

LOS	E									F		
Approach delay (s/veh)	--	--								1923		
Approach LOS	--	--								F		

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: PM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Pasco Rd
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: Pasco Road

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	0	0	3	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	119	2254			1766	36				119		36
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A	A			NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	6.0	59.3					10.2			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	193	1671	0.68	0.77	22.9	C		
T	3690	4792	0.68	0.77	5.5	A	6.4	A
Westbound								
T	3157	4792	0.62	0.66	9.2	A	9.2	A
R	985	1495	0.04	0.66	5.4	A		
Northbound								
Southbound								
LR	195	1721	0.88	0.11	73.5	E	73.5	E

Intersection Delay = 9.9 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: PM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Pasco Road
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	3/07/05	Analysis Year	2030
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - 2030

East/West Street: SR 52	North/South Street: Pasco Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	47	2326	0	0	1766	36
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	51	2556	0	0	1940	39
Proportion of heavy vehicles, P_{HV}	45	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	47	0	36
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	0	0	0	51	0	39
Proportion of heavy vehicles, P_{HV}	0	0	0	28	0	28
Percent grade (%)		0			0	
Flared approach		N			N	
Storage		0			0	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	51						90	
Capacity, c_m (vph)	165						5	
v/c ratio	0.31						18.00	
Queue length (95%)	1.24						13.18	
Control Delay (s/veh)	36.3						9074	

LOS	*E*							*F*		
Approach delay (s/veh)	--	--					*9074*			
Approach LOS	--	--					*F*			

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Pasco Rd
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: Pasco Road

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	0	0	3	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	47	2326			1766	36				47		36
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A	A			NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	6.0	61.9					7.6			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	202	1671	0.26	0.80	5.3	A		
T	3828	4792	0.68	0.80	4.4	A	4.4	A
Westbound								
T	3296	4792	0.60	0.69	7.7	A	7.7	A
R	1028	1495	0.04	0.69	4.5	A		
Northbound								
Southbound								
LR	143	1689	0.64	0.08	49.4	D	49.4	D

Intersection Delay = 6.7 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: AM Peak Hour

HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Pasco Rd
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: Pasco Road

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	0	0	3	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	47	2326			1766	36				47		36
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A	A			NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	6.0	61.9					7.6			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	202	1671	0.26	0.80	5.3	A		
T	3828	4792	0.68	0.80	4.4	A	4.4	A
Westbound								
T	3296	4792	0.60	0.69	7.7	A	7.7	A
R	1028	1495	0.04	0.69	4.5	A		
Northbound								
Southbound								
LR	143	1689	0.64	0.08	49.4	D	49.4	D

Intersection Delay = 6.7 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: AM Peak Hour

SR 52 / McKendree Road

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2004
Analysis Time Period	PM Peak Hour		

Project Description SR 52 SEIR - Existing Conditons

East/West Street: SR 52 | North/South Street: McKendree/Corporate Lake

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	4	771	4	6	571	6
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	4	847	4	6	627	6
Proportion of heavy vehicles, P_{HV}	75	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	1	1	0	0	1	1
Configuration	L		TR	LT		R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	3	0	0	48	0	17
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	3	0	0	52	0	18
Proportion of heavy vehicles, P_{HV}	14	0	14	4	4	4
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	LT		LTR			LTR	
Volume, v (vph)	4	6		3			70	
Capacity, c_m (vph)	680	796					128	
v/c ratio	0.01	0.01					0.55	
Queue length (95%)	0.02	0.02					2.65	
Control Delay (s/veh)	10.3	9.6		47.3			62.8	

LOS	B	A		F
Approach delay (s/veh)	--	--	47.3	62.8
Approach LOS	--	--	E	F

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	3/7/05	Analysis Year	2004
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - Existing Conditons

East/West Street: SR 52 | North/South Street: McKendree/Corporate Lake

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	23	756	0	0	548	35
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	25	840	0	0	608	38
Proportion of heavy vehicles, P_{HV}	5	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			1
Lanes	1	1	0	0	1	1
Configuration	L		TR	LT		R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	15	0	2	9	0	29
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	16	0	2	10	0	32
Proportion of heavy vehicles, P_{HV}	20	0	20	31	0	31
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	LT		LTR			LTR	
Volume, v (vph)	25	0		18			42	
Capacity, c_m (vph)	956	804		89			353	
v/c ratio	0.03	0.00		0.20			0.12	
Queue length (95%)	0.08	0.00		0.70			0.40	
Control Delay (s/veh)	8.9	9.5		56.7			23.2	

LOS	A	A	F	C
Approach delay (s/veh)	--	--	56.7	23.2
Approach LOS	--	--	F	C

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2006
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - 2006
East/West Street: SR 52	North/South Street: McKendree/Corporate Lake
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	5	892	4	7	662	7
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	5	980	4	7	727	7
Proportion of heavy vehicles, P_{HV}	75	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	3	0	3	48	0	17
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	3	0	3	52	0	18
Proportion of heavy vehicles, P_{HV}	14	0	14	4	4	4
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	5	7		6			70	
Capacity, c_m (vph)	518	710		374			335	
v/c ratio	0.01	0.01		0.02			0.21	
Queue length (95%)	0.03	0.03		0.05			0.77	
Control Delay (s/veh)	12.0	10.1		18.5			20.1	

LOS	B	B	C	C
Approach delay (s/veh)	--	--	18.5	20.1
Approach LOS	--	--	C	C

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2006
Analysis Time Period	AM Peak Hour		

Project Description	SR 52 SEIR - 2006
East/West Street: SR 52	North/South Street: McKendree/Corporate Lake
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	27	874	0	0	635	41
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	30	971	0	0	705	45
Proportion of heavy vehicles, P_{HV}	5	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			1
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	16	0	4	12	0	32
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	17	0	4	13	0	35
Proportion of heavy vehicles, P_{HV}	20	0	20	31	0	31
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	30	0		21			48	
Capacity, c_m (vph)	869	718		204			778	
v/c ratio	0.03	0.00		0.10			0.06	
Queue length (95%)	0.11	0.00		0.34			0.20	
Control Delay (s/veh)	9.3	10.0		26.1			14.9	

LOS	A	B	D	B
Approach delay (s/veh)	--	--	26.1	14.9
Approach LOS	--	--	D	B

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2020
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - 2020
East/West Street: SR 52	North/South Street: McKendree/Corporate Lake
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	9	1731	8	12	1222	13
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	9	1902	8	13	1342	14
Proportion of heavy vehicles, P_{HV}	75	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	15	0	3	48	0	91
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	16	0	3	52	0	99
Proportion of heavy vehicles, P_{HV}	14	0	14	4	4	4
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	9	13		19			151	
Capacity, c_m (vph)	245	315		52			224	
v/c ratio	0.04	0.04		0.37			0.67	
Queue length (95%)	0.11	0.13		1.31			4.24	
Control Delay (s/veh)	20.3	16.9		109.7			49.0	

LOS	C	C	F	E
Approach delay (s/veh)	--	--	109.7	49.0
Approach LOS	--	--	F	E

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: PM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / McKendree
Area Type: All other areas
Jurisd: Pasco County
Year : 2020

N/S St: McKendree

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	0	1	0	0	1	0
LGConfig	L	T	R	L	T	R		LTR			LTR	
Volume	9	1731	8	12	1222	13	15	0	3	49	0	91
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0		12.0			12.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A				NB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
WB Left	A				SB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	68.8						11.2			
Yellow	4.0						4.0			
All Red	1.0						1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	242	316	0.04	0.76	2.6	A		
T	2585	3381	0.74	0.76	6.8	A	6.8	A
R	1154	1509	0.01	0.76	2.5	A		
Westbound								
L	105	138	0.12	0.76	3.3	A		
T	2537	3319	0.53	0.76	4.4	A	4.4	A
R	1133	1482	0.01	0.76	2.5	A		
Northbound								
LTR	137	1102	0.14	0.12	35.6	D	35.6	D
Southbound								
LTR	182	1460	0.85	0.12	67.7	E	67.7	E

Intersection Delay = 8.7 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: PM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2020
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - 2020

East/West Street: SR 52 | North/South Street: McKendree/Corporate Lake

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	52	1696	0	0	1172	75
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	57	1884	0	0	1302	83
Proportion of heavy vehicles, P_{HV}	5	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			1
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	51	0	4	12	0	104
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	56	0	4	13	0	115
Proportion of heavy vehicles, P_{HV}	20	0	20	31	0	31
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	57	0		60			128	
Capacity, c_m (vph)	512	322		36			320	
v/c ratio	0.11	0.00		1.67			0.40	
Queue length (95%)	0.37	0.00		6.47			1.86	
Control Delay (s/veh)	12.9	16.2		567.2			23.6	

LOS	B	C	F	C
Approach delay (s/veh)	--	--	567.2	23.6
Approach LOS	--	--	F	C

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/24/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / McKendree
Area Type: All other areas
Jurisd: Pasco County
Year : 2020

N/S St: McKendree

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	2	1	1	2	1	0	1	0	0	1	0
LGConfig	L	T	R	L	T	R		LTR			LTR	
Volume	52	1696	0	0	1172	75	51	0	4	12	0	104
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0		12.0			12.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A				NB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
WB Left	A				SB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	71.0						9.0			
Yellow	4.0						4.0			
All Red	1.0						1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	275	348	0.21	0.79	2.8	A		
T	2667	3381	0.70	0.79	5.3	A	5.2	A
R	1190	1509	0.00	0.79	2.0	A		
Westbound								
L	124	157	0.00	0.79	2.0	A		
T	2618	3319	0.49	0.79	3.4	A	3.3	A
R	1169	1482	0.07	0.79	2.1	A		
Northbound								
LTR	89	891	0.67	0.10	57.4	E	57.4	E
Southbound								
LTR	154	1541	0.82	0.10	68.9	E	68.9	E

Intersection Delay = 7.7 (sec/veh) Intersection LOS = A

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Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/24/2005
Analysis Time Period: AM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/15/04	Analysis Year	2030
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - 2030
East/West Street: SR 52	North/South Street: McKendree/Corporate Lake
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	12	2349	12	16	1616	17
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	13	2581	13	17	1775	18
Proportion of heavy vehicles, P_{HV}	75	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	26	0	3	48	0	160
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91
Hourly Flow Rate (veh/h)	28	0	3	52	0	175
Proportion of heavy vehicles, P_{HV}	14	0	14	4	4	4
Percent grade (%)		0			0	
Flared approach		Y			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	13	17		31			227	
Capacity, c_m (vph)	143	170		15			137	
v/c ratio	0.09	0.10		2.07			1.66	
Queue length (95%)	0.29	0.33		4.55			16.43	
Control Delay (s/veh)	32.7	28.5		1015			382.7	

LOS	D	D	F	F
Approach delay (s/veh)	--	--	1015	382.7
Approach LOS	--	--	F	F

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 6/23/2005
Period: PM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / McKendree
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: McKendree

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	1	1	3	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Volume	12	2349	12	16	1616	17	26	0	3	48	0	160
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		12.0	12.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4		5	6	7	8
EB Left	A				NB Left	A			
Thru	A				Thru	A			
Right	A				Right	A			
Peds					Peds				
WB Left	A				SB Left	A			
Thru	A				Thru	A			
Right	A				Right	A			
Peds					Peds				
NB Right					EB Right				
SB Right					WB Right				
Green	68.3					11.7			
Yellow	4.0					4.0			
All Red	1.0					1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	145	191	0.09	0.76	3.1	A		
T	3671	4837	0.70	0.76	6.2	A	6.2	A
R	1145	1509	0.01	0.76	2.6	A		
Westbound								
L	80	102	0.22	0.76	4.6	A		
T	3603	4748	0.49	0.76	4.3	A	4.3	A
R	1125	1482	0.02	0.76	2.7	A		
Northbound								
L	98	756	0.30	0.13	37.1	D		
TR	184	1417	0.02	0.13	34.2	C	36.8	D
Southbound								
L	180	1381	0.29	0.13	36.3	D		
TR	202	1553	0.87	0.13	69.7	E	62.0	E

Intersection Delay = 8.4 (sec/veh) Intersection LOS = A

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 6/23/2005
Analysis Time Period: PM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / McKendree
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	6/23/05	Analysis Year	2030
Analysis Time Period	AM Peak Hour		

Project Description: SR 52 SEIR - 2030

East/West Street: SR 52 | North/South Street: McKendree/Corporate Lake

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	71	2302	0	0	1550	99
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	78	2557	0	0	1722	110
Proportion of heavy vehicles, P_{HV}	5	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	1	1	2	1
Configuration	L	T	R	L	T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	83	0	4	12	0	169
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	92	0	4	13	0	187
Proportion of heavy vehicles, P_{HV}	20	0	20	31	0	31
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		1			1	
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration		LTR			LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L	L		LTR			LTR	
Volume, v (vph)	78	0		96			200	
Capacity, c_m (vph)	317	176		0			197	
v/c ratio	0.25	0.00					1.02	
Queue length (95%)	0.95	0.00					8.85	
Control Delay (s/veh)	20.0	25.5					118.1	

LOS	C	D			F				F		
Approach delay (s/veh)	--	--						118.1			
Approach LOS	--	--						F			

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 7/19/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / McKendree
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: McKendree

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	1	1	3	1	1	1	0	1	1	0
LGConfig	L	T	R	L	T	R	L	TR		L	TR	
Volume	71	2302	0	0	1550	99	83	0	4	12	0	169
Lane Width	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		12.0	12.0	
RTOR Vol			0			0			0			0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A				NB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
WB Left	A				SB	Left	A			
Thru	A					Thru	A			
Right	A					Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	68.0						12.0			
Yellow	4.0						4.0			
All Red	1.0						1.0			

Cycle Length: 90.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	157	208	0.50	0.76	6.8	A		
T	3655	4837	0.69	0.76	6.2	A	6.2	A
R	1140	1509	0.00	0.76	2.7	A		
Westbound								
L	80	103	0.00	0.76	2.7	A		
T	3587	4748	0.47	0.76	4.3	A	4.2	A
R	1120	1482	0.10	0.76	2.9	A		
Northbound								
L	95	712	0.96	0.13	117.1	F		
TR	189	1417	0.02	0.13	33.9	C	113.6	F
Southbound								
L	184	1380	0.07	0.13	34.3	C		
TR	207	1553	0.90	0.13	74.6	E	71.9	E

Intersection Delay = 10.4 (sec/veh) Intersection LOS = B

HCS2000: Signalized Intersections Release 4.1e

Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 7/19/2005
Analysis Time Period: AM Peak Hour

SR 52 / Emmaus Cemetery Road

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	*DSW*	Intersection	*SR 52 / Emmaus*
Agency/Co.	*WilsonMiller*	Jurisdiction	*Pasco County*
Date Performed	*12/08/04*	Analysis Year	*2004*
Analysis Time Period	*PM Peak Hour*		

Project Description *SR 52 SEIR - Existing Conditons*

East/West Street: *SR 52* | North/South Street: *Emmaus Cemetery Road*

Intersection Orientation: *East-West* | Study Period (hrs): *0.25*

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	8	779	0	0	579	18
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	8	875	0	0	650	20
Proportion of heavy vehicles, P_{HV}	100	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration	LT					TR
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	8	0	18
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	0	0	0	8	0	20
Proportion of heavy vehicles, P_{HV}	0	0	0	12	0	12
Percent grade (%)	0			0		
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LT						LR	
Volume, v (vph)	8						28	
Capacity, c_m (vph)	592						410	
v/c ratio	0.01						0.07	
Queue length (95%)	0.04						0.22	
Control Delay (s/veh)	11.2						20.5	

LOS	B						C	
Approach delay (s/veh)	--	--				20.5		
Approach LOS	--	--				C		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/19/05	Analysis Year	2006
Analysis Time Period	PM Peak Hour		

Project Description	SR 52 SEIR - 2006
East/West Street: SR 52	North/South Street: Emmaus Cemetery Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	9	881	0	0	656	20
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	10	989	0	0	737	22
Proportion of heavy vehicles, P_{HV}	100	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	9	0	20
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	0	0	0	10	0	22
Proportion of heavy vehicles, P_{HV}	0	0	0	12	0	12
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	1	0
Configuration					LTR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LTR	
Volume, v (vph)	10						32	
Capacity, c_m (vph)	427						874	
v/c ratio	0.02						0.04	
Queue length (95%)	0.07						0.11	
Control Delay (s/veh)	13.6						13.5	

LOS	B								B		
Approach delay (s/veh)	--	--							13.5		
Approach LOS	--	--							B		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/19/05	Analysis Year	2020
Analysis Time Period	PM Peak Hour		

Project Description SR 52 SEIR - 2020

East/West Street: SR 52 | North/South Street: Emmaus Cemetery Road

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	16	1626	0	0	1210	37
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	17	1826	0	0	1359	41
Proportion of heavy vehicles, P_{HV}	100	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	16	0	37
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	0	0	0	17	0	41
Proportion of heavy vehicles, P_{HV}	0	0	0	12	0	12
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	17						58	
Capacity, c_m (vph)	183						389	
v/c ratio	0.09						0.15	
Queue length (95%)	0.30						0.52	
Control Delay (s/veh)	26.7						23.6	

LOS	*D*									*C*		
Approach delay (s/veh)	--	--								*23.6*		
Approach LOS	--	--								*C*		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	*DSW*	Intersection	*SR 52 / Emmaus*
Agency/Co.	*WilsonMiller*	Jurisdiction	*Pasco County*
Date Performed	*7/19/05*	Analysis Year	*2030*
Analysis Time Period	*PM Peak Hour*		

Project Description *SR 52 SEIR - 2030*

East/West Street: *SR 52* | North/South Street: *Emmaus Cemetery Road*

Intersection Orientation: *East-West* | Study Period (hrs): *0.25*

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	22	2150	0	0	1600	49
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	24	2415	0	0	1797	55
Proportion of heavy vehicles, P_{HV}	100	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	22	0	49
Peak-hour factor, PHF	0.89	0.89	0.89	0.89	0.89	0.89
Hourly Flow Rate (veh/h)	0	0	0	24	0	55
Proportion of heavy vehicles, P_{HV}	0	0	0	12	0	12
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	24						79	
Capacity, c_m (vph)	99						166	
v/c ratio	0.24						0.48	
Queue length (95%)	0.88						2.26	
Control Delay (s/veh)	52.6						45.0	

LOS	F							E		
Approach delay (s/veh)	--	--					45.0			
Approach LOS	--	--					E			

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HCS2000: Signalized Intersections Release 4.1e

Analyst: DSW
Agency: WilsonMiller
Date: 7/19/2005
Period: PM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Emmanus Cemetery
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: Emmanus Cemetery Rd

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	0	0	3	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	22	2150			1600	49				22		49
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A				NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	4.6	103.1					7.8			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 130.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	59	1656	0.41	0.04	65.9	E		
T	4080	4748	0.59	0.86	2.8	A	3.4	A
Westbound								
T	3766	4748	0.47	0.79	4.5	A	4.5	A
R	1175	1482	0.05	0.79	2.9	A		
Northbound								
Southbound								
LR	98	1631	0.80	0.06	95.6	F	95.6	F

Intersection Delay = 5.5 (sec/veh) Intersection LOS = A

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Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 7/19/2005
Analysis Time Period: PM Peak Hour

TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	12/16/04	Analysis Year	2004
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR

East/West Street: SR 52 | North/South Street: Emmaus Cemetery Road

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	4	783	0	0	591	6
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	4	870	0	0	656	6
Proportion of heavy vehicles, P_{HV}	50	--	--	0	--	--
Median type	Undivided					
RT Channelized?			0			0
Lanes	0	1	0	0	1	0
Configuration	LT					TR
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	4	0	6
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	4	0	6
Proportion of heavy vehicles, P_{HV}	0	0	0	39	0	39
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LT						LR	
Volume, v (vph)	4						10	
Capacity, c_m (vph)	737						260	
v/c ratio	0.01						0.04	
Queue length (95%)	0.02						0.12	
Control Delay (s/veh)	9.9						24.8	

LOS	A									C		
Approach delay (s/veh)	--	--								24.8		
Approach LOS	--	--								C		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/18/2005	Analysis Year	2006
Analysis Time Period	AM Peak Hour		

Project Description	SR 52 SEIR - 2006
East/West Street: SR 52	North/South Street: Emmaus Cemetery Road
Intersection Orientation: East-West	Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	4	886	0	0	669	7
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	4	984	0	0	743	7
Proportion of heavy vehicles, P_{HV}	50	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	4	0	7
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	4	0	7
Proportion of heavy vehicles, P_{HV}	0	0	0	39	0	39
Percent grade (%)		0			0	
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	4						11	
Capacity, c_m (vph)	602						652	
v/c ratio	0.01						0.02	
Queue length (95%)	0.02						0.05	
Control Delay (s/veh)	11.0						15.0	

LOS	B						B	
Approach delay (s/veh)	--	--				15.0		
Approach LOS	--	--				B		

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/19/2005	Analysis Year	2020
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - 2020

East/West Street: SR 52 | North/South Street: Emmaus Cemetery Road

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	8	1634	0	0	1234	13
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	8	1815	0	0	1371	14
Proportion of heavy vehicles, P_{HV}	50	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	8	0	13
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	8	0	14
Proportion of heavy vehicles, P_{HV}	0	0	0	39	0	39
Percent grade (%)	0			0		
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	8						22	
Capacity, c_m (vph)	301						256	
v/c ratio	0.03						0.09	
Queue length (95%)	0.08						0.28	
Control Delay (s/veh)	17.3						28.0	

LOS	C							D			
Approach delay (s/veh)	--	--	28.0								
Approach LOS	--	--	D								

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TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information	
Analyst	DSW	Intersection	SR 52 / Emmaus
Agency/Co.	WilsonMiller	Jurisdiction	Pasco County
Date Performed	7/19/05	Analysis Year	2030
Analysis Time Period	AM Peak Hour		

Project Description SR 52 SEIR - 2030

East/West Street: SR 52 | North/South Street: Emmaus Cemetery Road

Intersection Orientation: East-West | Study Period (hrs): 0.25

Vehicle Volumes and Adjustments

Major Street	Eastbound			Westbound		
Movement	1	2	3	4	5	6
	L	T	R	L	T	R
Volume (veh/h)	11	2161	0	0	1633	16
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	12	2401	0	0	1814	17
Proportion of heavy vehicles, P_{HV}	50	--	--	0	--	--
Median type	Raised curb					
RT Channelized?			0			0
Lanes	1	2	0	0	2	1
Configuration	L	T			T	R
Upstream Signal		0			0	

Minor Street	Northbound			Southbound		
Movement	7	8	9	10	11	12
	L	T	R	L	T	R
Volume (veh/h)	0	0	0	11	0	16
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Hourly Flow Rate (veh/h)	0	0	0	12	0	17
Proportion of heavy vehicles, P_{HV}	0	0	0	39	0	39
Percent grade (%)	0			0		
Flared approach		N			Y	
Storage		0			1	
RT Channelized?			0			0
Lanes	0	0	0	0	0	0
Configuration					LR	

Control Delay, Queue Length, Level of Service

Approach	EB	WB	Northbound			Southbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L						LR	
Volume, v (vph)	12						29	
Capacity, c_m (vph)	183						121	
v/c ratio	0.07						0.24	
Queue length (95%)	0.21						0.88	
Control Delay (s/veh)	26.0						54.2	

LOS	D							F		
Approach delay (s/veh)	--	--	54.2							
Approach LOS	--	--	F							

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Analyst: DSW
Agency: WilsonMiller
Date: 7/19/2005
Period: AM Peak Hour
Project ID: SR 52 SEIR
E/W St: SR 52

Inter.: SR 52 / Emmanus Cemetery
Area Type: All other areas
Jurisd: Pasco County
Year : 2030

N/S St: Emmanus Cemetery Rd

SIGNALIZED INTERSECTION SUMMARY

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	1	3	0	0	3	1	0	0	0	0	0	0
LGConfig	L	T			T	R					LR	
Volume	11	2161			1633	16				11		16
Lane Width	12.0	12.0			12.0	12.0					12.0	
RTOR Vol						0						0

Duration 0.25 Area Type: All other areas

Signal Operations

Phase Combination	1	2	3	4			5	6	7	8
EB Left	A				NB	Left				
Thru	A	A				Thru				
Right						Right				
Peds						Peds				
WB Left					SB	Left	A			
Thru		A				Thru				
Right		A				Right	A			
Peds						Peds				
NB Right					EB	Right				
SB Right					WB	Right				
Green	4.6	103.1					7.8			
Yellow	4.0	4.5					4.0			
All Red	0.0	1.0					1.0			

Cycle Length: 130.0 secs

Intersection Performance Summary

Appr/ Lane Grp	Lane Group Capacity	Adj Sat Flow Rate (s)	Ratios v/c	Ratios g/C	Lane Group Delay	Lane Group LOS	Approach Delay	Approach LOS
Eastbound								
L	58	1626	0.21	0.04	62.7	E		
T	4007	4663	0.60	0.86	2.9	A	3.2	A
Westbound								
T	3632	4580	0.50	0.79	4.7	A	4.7	A
R	1133	1429	0.02	0.79	2.8	A		
Northbound								
Southbound								
LR	73	1223	0.41	0.06	62.6	E	62.6	E

Intersection Delay = 4.3 (sec/veh) Intersection LOS = A

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Phone: Fax:
E-Mail:

OPERATIONAL ANALYSIS

Analyst: DSW
Agency/Co.: WilsonMiller
Date Performed: 7/19/2005
Analysis Time Period: AM Peak Hour