

November 14, 2008

Mr. Marshall Murdaugh
Dorchester County Sales Tax Transportation Authority
Chairman
209 Church Street
Ridgeville, South Carolina 29472

RE: Patriots Boulevard Traffic Volume Counts

Dear Mr. Murdaugh:

Davis & Floyd, Inc. has conducted 24-hour traffic volume counts on three segments of the newly constructed Patriots Boulevard in order to determine the traffic utilization on this roadway. A summary of our analysis of the traffic count data is provided in the following report.

In order to assess the changes in the traffic volumes along Patriots Boulevard, the traffic volume count data collected in November 2008 was compared to traffic volume counts collected during the initial design phases for Patriots Boulevard and subsequent traffic count data obtained by others in January 2008. Our analysis indicated the traffic volumes on the new segments of Patriots Boulevard have significantly increased while traffic volumes on Dorchester Road between Club Course Drive and Appian Way have decreased. A summary of our analysis of the traffic count data is provided below:

- *Patriots Blvd. between Palmetto Commerce Parkway and Wescott Boulevard:*

Roadway was opened to traffic:	November 2007
Daily traffic in January 2008:	4,320
Daily traffic in November 2008:	6,990

Since the roadway was opened to traffic in November 2007, traffic volumes have **increased 62%** (approximately 2,670 vehicles per day).

- *Patriots Boulevard between Club Course Drive and Appian Way:*

Roadway was opened to traffic:	November 2007
Daily traffic in January 2008:	9,125
Daily traffic in November 2008:	12,550

Since the roadway was opened to traffic in November 2007, traffic volumes have **increased 38%** (approximately 3,425 vehicles per day).

- *Patriots Boulevard between Ashley Phosphate Road and Dorchester Road:*

Daily traffic on Patriots Blvd. in Feb. 2006:	2,230
Patriots Blvd. extension opened to traffic:	June 2007
Daily traffic on Patriots Blvd. in November 2008:	9,150

Since the Patriots Blvd. extension was opened to traffic in June 2007, traffic volumes have **increased 410%** (approximately 6,920 vehicles per day).

- *Dorchester Road between Appian Way and Club Course Drive:*

Daily traffic on Dorchester Road in Feb. 2006:	39,370
Daily traffic on Dorchester Road in March 2008:	36,670
Estimated daily traffic on Dorchester Road in November 2008:	34,100

Based upon the increased traffic along Patriots Boulevard during the past eight months and traffic count data collected on Dorchester Road, traffic volumes on Dorchester Road between Appian Way and Club Course Drive have **decreased approximately 15%** (approximately 5,270 vehicles) since the opening of Patriots Boulevard.

If you should have any questions regarding our analysis or would like to discuss any of this information in more detail, please do not hesitate to call.

Sincerely,

DAVIS & FLOYD, INC.



Bryan D. Webb, PE, PTOE
Sr. Transportation Engineer

Enclosures

xc: Donnie Dukes

UTILIZATION OF PATRIOT BOULEVARD

Location 1 - Patriot Boulevard between Wescott Boulevard & McKewn Drive												
12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	
34	17	19	20	19	133	548	694	431	248	210	238	
12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	
322	302	437	550	661	781	435	256	217	200	132	87	
24-hour total:			6991	AM Peak Hour:			699	PM Peak Hour:			792	

Location 2 - Patriot Boulevard between Club Course Drive & Appian Way												
12:00 AM	63	32	26	20	44	219	1004	1573	718	420	421	465
12:00 PM	520	549	720	956	1076	1301	867	462	437	333	163	145
24-hour total:		12534	AM Peak Hour:				1592	PM Peak Hour:				1337

Location 3 - Lincoln Avenue between Ashley Phosphate Road and Dorchester Road													
12:00 AM	69	34	23	20	45	218	760	901	471	354	334	401	
12:00 PM	471	458	689	691	769	777	494	316	267	231	211	139	
24-hour total:			9143	AM Peak Hour:				977	PM Peak Hour:				816



FIGURE 1

TRAFFIC COUNT LOCATIONS

PATRIOTS BOULEVARD, NORTH CHARLESTON, SC

3229 W. MONTAGUE AVENUE
CHARLESTON, SC 29416
(843) 554-8602

DAVIS & FLOYD Engineering
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Environmental
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