

September 4, 2008

Mr. Jerry Meiners
c/o Meiners' Market
1299 S.W. Arborwalk Boulevard
Lee's Summit, MO 64082

One Renner Ridge
9801 Renner Boulevard
Lenexa, Kansas 66219-9745
Telephone 913.492.0400
FAX 913.577.8200
gba@gbutler.com
www.gbutler.com

SUBJECT: Meiners' Market - Traffic Data Collection
Lee's Summit, Missouri

Dear Jerry:

As you requested, George Butler Associates, Inc. (GBA) has completed the required traffic engineering services to collect traffic volume data in the vicinity of the Meiners' Market convenience store in Lee's Summit, Missouri. Twenty-four hour, bi-directional traffic volume counts, utilizing on-road machine counters, were conducted at the following locations:

- On M-150 Highway, west of the intersection with S.W. Arborlake Drive;
- On S.W. Arborlake Drive, north of the intersection with M-150 Highway;
- On S.W. Stoney Creek Drive, south of the intersection with M-150 Highway;
- On Meiner's Market Drive, east of S.W. Arborlake Drive.

The traffic counts were performed to determine the peak traffic volume periods for both typical week days (i.e., Thursday and Friday) and weekend days (i.e., Saturday and Sunday). Traffic counters were installed on Wednesday, August 20, 2008, and were retrieved on Monday, August 25, 2008. The results of this traffic volume data collection process are summarized on the attached *Figure 1*.

The traffic summary includes the daily traffic volumes, by direction, at each of the four count locations listed above. In addition, the traffic volumes at each location for the peak periods that you requested are also provided. These peak traffic periods included a two-hour morning peak from 6:30 a.m. to 8:30 a.m., a three-hour mid-day peak from 11:00 a.m. to 2:00 p.m., and a two-hour evening peak from 4:00 p.m. to 6:00 p.m.

Based upon the completed traffic counts, the daily two-way traffic volume on Missouri Highway 150 in the vicinity of the Meiners' Market convenience store was determined to be about 13,000 vehicles per day (vpd) on a typical weekday, about 11,000 vpd on a typical Saturday, and about 9,000 vpd on a typical Sunday.

S.W. Arborlake Drive to the north of Missouri Highway 150 served a two-way traffic volume between 1,900 and 2,900 vpd during the four-day study period. Similarly, S.W. Stoney Creek Drive to the south of Missouri Highway 150 served between 1,400 and 1,700 vpd during the study period.

The entrance to the Meiners' Market convenience store from S.W. Arborlake Drive generally served about 1,000 inbound vehicles on each of the four days during the study period. Slightly more traffic (i.e., 1,200 to 1,500 vpd) exited the site via this driveway, indicating that several hundred additional vehicles are entering the Meiners' Market via the driveway on S.W. Arborwalk Boulevard and exiting at this location. As we discussed on the phone, there is also a portion of your site's traffic that would be expected to use the additional S.W. Arborwalk Boulevard driveway from the adjacent residential neighborhoods or to access the closest City arterial street, S.W. Ward Road.

We appreciate the opportunity to be of service to you on this important project. If you should have any questions, or need additional information, please feel free to contact me.

Respectfully submitted,

GEORGE BUTLER ASSOCIATES, INC.



David J. Mennenga, P.E., PTOE
Firm Associate

cc: PMB, SPC, file



Westbound	Daily	A.M.	Mid	P.M.
Thursday:	1,344	211	153	163
Friday:	1,455	238	197	179
Saturday:	1,214	68	314	184
Sunday:	1,170	62	250	152

Southbound	Daily	A.M.	Mid	P.M.
Thursday:	1,064	170	191	179
Friday:	1,352	135	257	115
Saturday:	1,300*	50*	350*	150*
Sunday:	900*	25*	275*	125*

Eastbound	Daily	A.M.	Mid	P.M.
Thursday:	987	148	109	125
Friday:	1,122	178	148	124
Saturday:	973	54	243	131
Sunday:	906	43	203	121

Westbound	Daily	A.M.	Mid	P.M.
Thursday:	6,820	1,747	872	838
Friday:	6,971	1,699	954	849
Saturday:	5,413	376	1,118	821
Sunday:	4,703	328	999	684



Northbound	Daily	A.M.	Mid	P.M.
Thursday:	1,181	209	223	129
Friday:	1,501	123	321	82
Saturday:	1,400*	75*	400*	150*
Sunday:	1,000*	50*	350*	125*

MO RT. 150

Eastbound	Daily	A.M.	Mid	P.M.
Thursday:	6,191	564	797	1,572
Friday:	6,425	570	942	1,473
Saturday:	5,722	253	1,020	753
Sunday:	4,184	206	982	682

Northbound	Daily	A.M.	Mid	P.M.
Thursday:	749	187	89	103
Friday:	789	188	82	103
Saturday:	809	57	173	107
Sunday:	676	44	122	102

Southbound	Daily	A.M.	Mid	P.M.
Thursday:	869	48	89	217
Friday:	853	52	97	175
Saturday:	904	11	194	126
Sunday:	755	12	160	136

S.W. Arborlake Dr.

S.W. Stoney Creek Dr.

LEGEND

- Counter Location
- Daily Total Volume (vpd)
- A.M. 6:30 - 8:30 Volume (veh)
- Mid 11:00 - 2:00 Volume (veh)
- P.M. 4:00 - 6:00 Volume (veh)
- * Estimated Volume
- † Stop Sign Control