

April 30, 2018

Michael Grant SSRC-1A 8510 Railroad Avenue Santee, CA 92071

D&A Project No: 170701

Subject:

Revised Lantern Crest Ridge II Senior Care Project Traffic Impact Study and Impacts on Graves Avenue south of Prospect Avenue.

Graves revenue south of reospect revenue

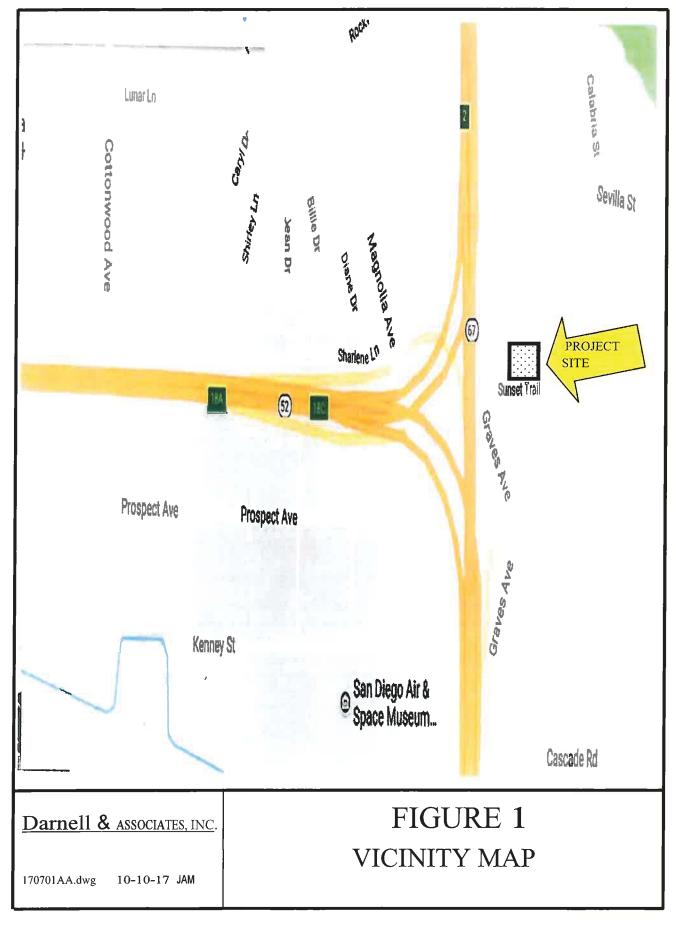
Dear Mr. Grant:

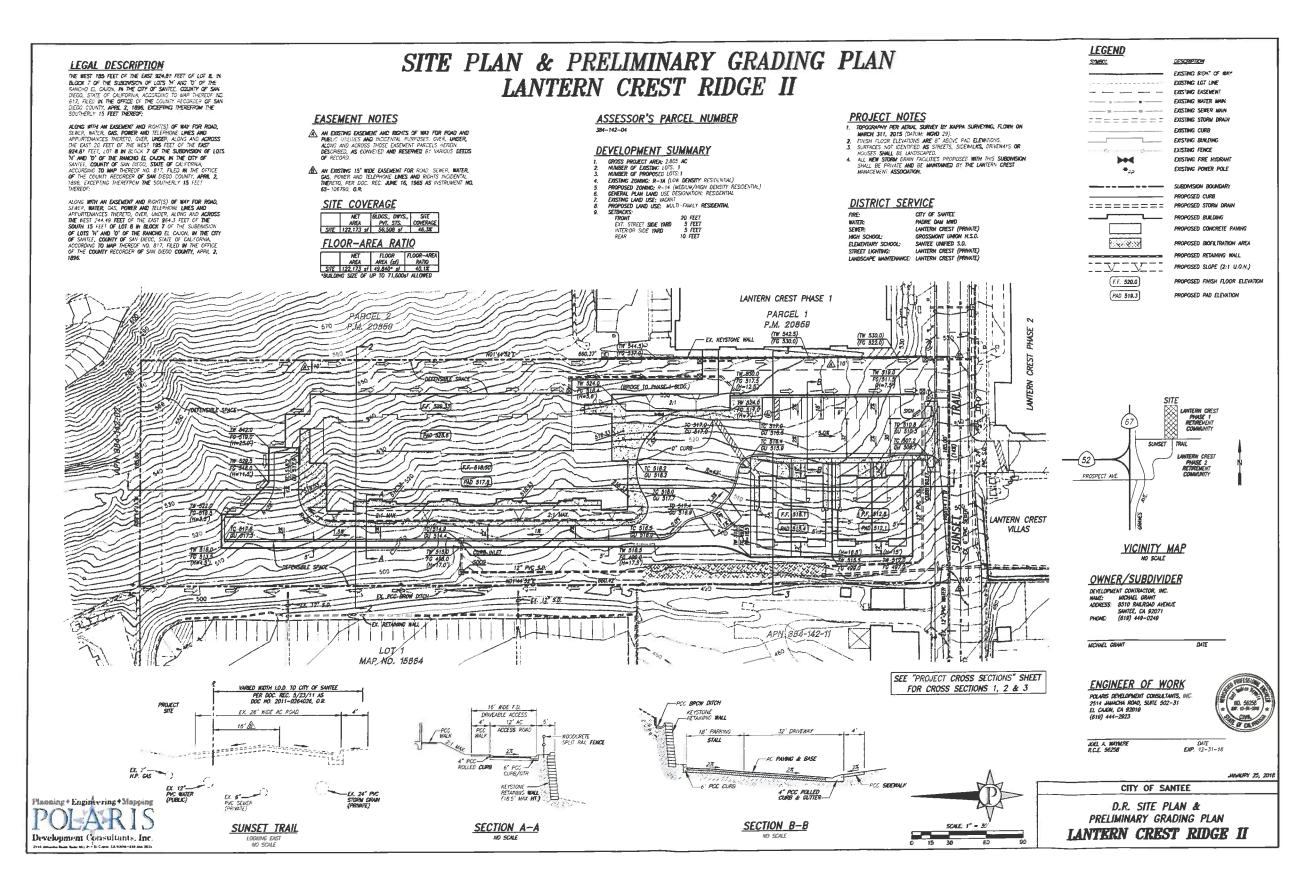
In accordance with you authorization, we have investigated the Lantern Crest Ridge II Senior Living Assisted and Memory Care project traffic impacts on Graves Avenue south of Prospect Avenue. Figure 1 shows the Vicinity Map showing the location of the project and Figure 2 is a copy of the site plan for the project. The facility will be managed by the existing Lantern Crest Ridge I project staff and will require six (6) additional Primary Care Givers and Housekeepers to be added to the Lantern Crest Ridge I staff. Visitors will be required to access the Lantern Crest Ridge II site primarily through the existing Lantern Crest Ridge I Building. This letter report has been revised to respond to City of Santee comments dated February 12 and February 22, 2018.

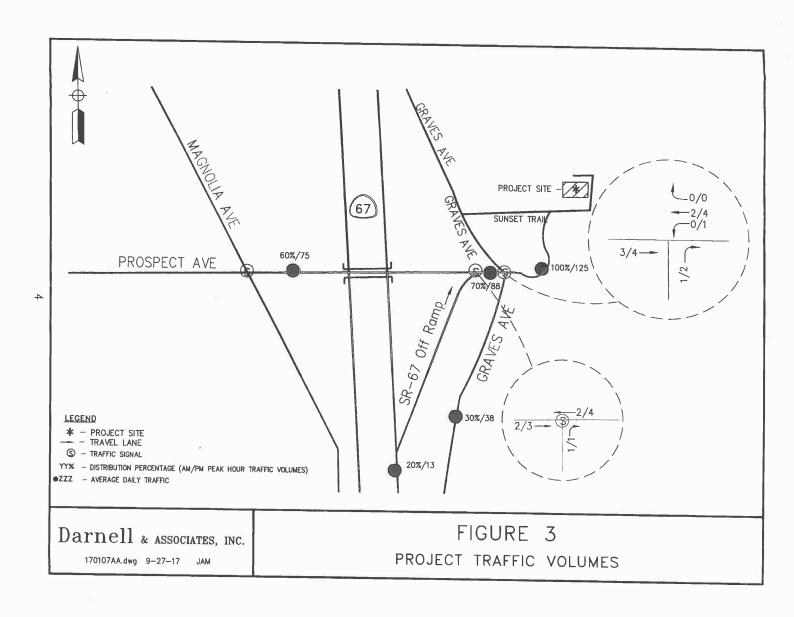
The City of Santee uses the Santec/ITE Guidelines for Traffic Impact Studies (TIS). The guidelines identify the criteria to be used to determine if a Traffic Impact Analysis is required and the procedures to be followed. The Santec/ITE Guidelines in Section IV identify that a TIS should be prepared for all projects which generate greater than 500 total average daily trips or 50 peak hour trips.

The Lantern Crest Ridge II project is an addition to the Ridge I Project to provide 46 Assisted Living/Memory Care Units and 4 Independent Villas to provide a total of 50 Units. To analyze the projects impacts on Graves Avenue south of Prospect Avenue, we have estimated and assigned project traffic to Graves Avenue and Prospect Avenue. Table 1 presents the trip generation of the project. Review of Table 1 shows the proposed project will generate 125 daily, 5 AM peak and 10 PM peak hour trips.

Table 1 – Trip Generation Rates and Calculations										
Trip Generation Rates										
Land Use	AD	.T.	Rat	es		In	Out			
Senior Residential Care	ADT		2.5/per Unit		0.5		0.5			
Independent Assisted	AN	/I	4%/ of Daily		0.6		0.4			
Living/Memory Care and Villas	PN	1	8%/ of Daily		0.5		0.5			
	Trip Ger	neratio	n Calcu	lations			·			
Land Use	Density	ADT	AM P	eak		PM Peak				
Independent Assisted										
Living/Memory Care and	50	125	5	3	2	10	5	5		
Villas										
ADT = Average Daily Traffic, Rates per SANDAG, April 2002										







Michael Grant Advantaged Asset Acquisitions, LLC. April 30, 2018 Page 5

Based on Table 1, it can be concluded a Traffic Impact Study is not required. The trips generated by the project were assigned to the adjacent roadways. Figure 3 presents the project trip distribution and assignment. Review of Figure 3 shows that thirty (30%) percent of the project traffic will be added to Graves Avenue south of Prospect Avenue resulting in 38 daily, 5 AM peak and 10 PM peak hour trips.

To determine the projects impacts to Graves Avenue, we then analyzed the impacts of adding the project traffic to the Traffic Volumes and Opening Day 2018 to determine if the project creates a significant direct impact. Figure 4 presents the Existing Traffic Volumes. Figure 5 presents the Opening Day 2018 Traffic Volumes and Figure 6 presents the Opening Day 2018 Plus Project traffic volumes.

## SIGNIFICANCE CRITERIA

The City of Santee uses the regionally adopted SANTEC/ITE Guidelines for the purposes of traffic impact analysis. The City of Santee considers LOS D as the minimum acceptable level of service. A project is considered to have a significant impact if the new project traffic decreases the operations of surrounding roadways by a defined threshold. The defined thresholds shown in Table 2 for roadway segments and intersections are based on published San Diego Traffic Engineers' Council (SANTEC) guidelines. If the project exceeds the thresholds in Table 2, then the project may be considered to have a significant project impact. If a significant impact is identified the project will need to identify a feasible mitigation measure to return the impact to a level within the allowable increase or better.

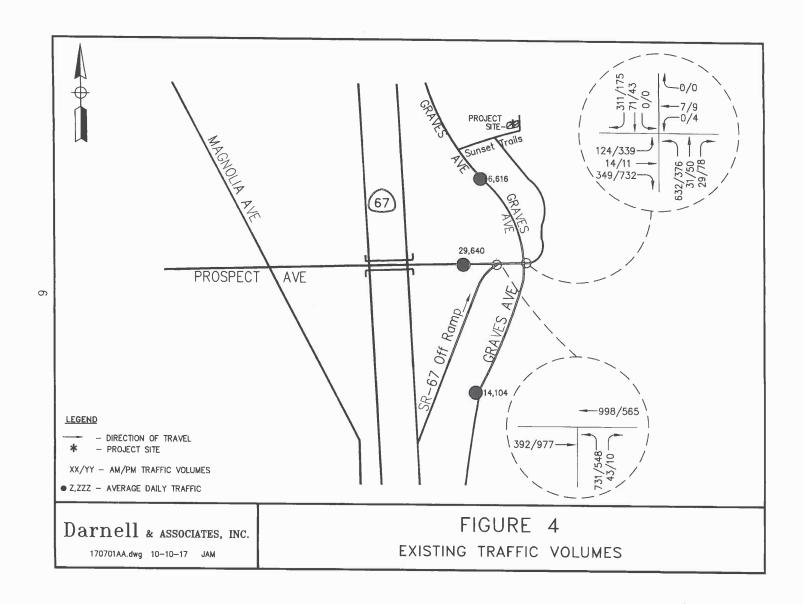
TABLE 2 - CITY OF SANTEE TRAFFIC IMPACT SIGNIFICANT THRESHOLDS								
Allowable Increase Due to Project Impacts <sup>a</sup>								
Level of Service with Project	Roadway Segments	Intersections						
	V/C	Delay (sec.)						
E & F <sup>b</sup>	0.02	2						

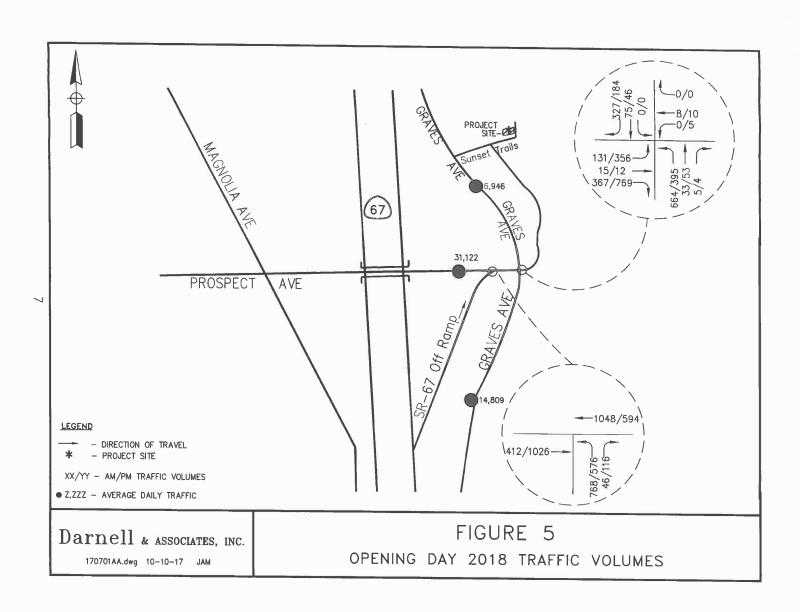
- a. If a proposed project's traffic impacts exceed the values shown in the table, then the impacts are deemed "significant." The project applicant shall identify "feasible mitigation measures".
- b. The acceptable Level of Service (LOS) standard for roadways and intersections in the City of Santee is LOS D. Hence, if the project maintains the level of service at LOS D, the impact is not considered significant,

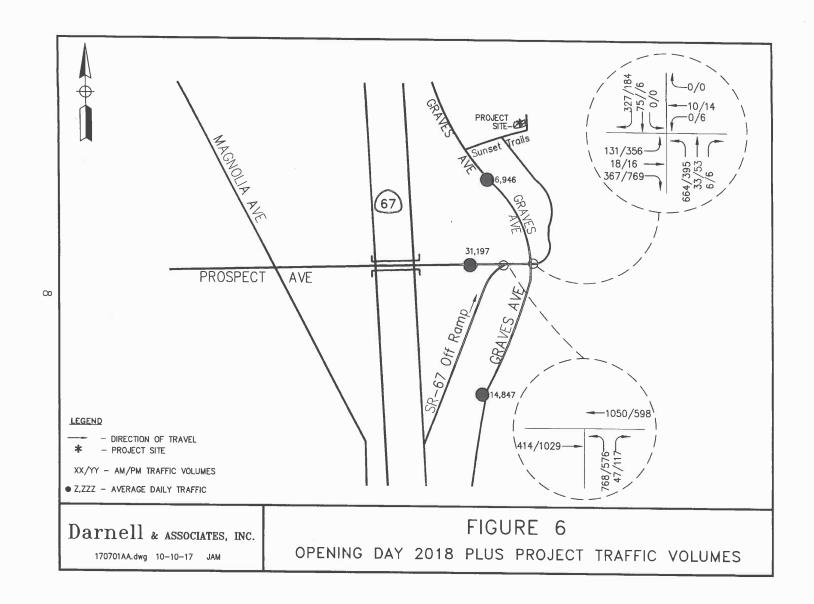
V/C = Volume to Capacity Ratio, Delay = Average stopped delay per vehicle measured in seconds for intersections, LOS = Level of Service.

The next step in the analysis process involves the determination if the addition of project traffic will create a significant direct impact to Graves Avenue. Table 3 summarizes the daily capacity analysis of Graves Avenue for Opening Day and Opening Day Plus Project conditions.

Т	able 3 – Openi	ng Day 201	18 Road	way Se	egment L	evel of S	ervice			
Roadway Segment	Functional Classification	LOS E Capacity	Opening Day (2018) Conditions			Opening Day (2018) Plus Project Conditions				
			ADT	V/C	Z/C LOS	ADT	V/C	LOS	Δ	Proj
							V/C		V/C	Sign ?
Graves Avenue										
South of Prospect Avenue	Collector (2-Lane without	10.000	14,809	1.481	E	14,847	1.485	F	0.004	No
South of Prospect Avenue	Fronting Property)	10,000	14,809	1.401	r	14,047	1.405	Г	0.004	NO
LOS=level of service; ADT=Av Significant Impact if $\Delta$ V/C is e	-			o, LOS E	Capacity pe	r City of San	tee Levels	of Servic	e, Sign. =	







Michael Grant Advantaged Asset Acquisitions, LLC. April 30, 2018 Page 9

Review of Table 3 shows Graves Avenue south of Prospect Avenue will operate at LOS "F" with a v/c ratio of 1.481 for Opening Day 2018 Conditions and will continue to operate at LOS "F" with a v/c ratio of 1.485 with the addition of project traffic. Based on the City of Santee Significance Thresholds presented in Table 2, it can be concluded that the Lantern Crest Ridge II Project will not create a significant impact on Graves Avenue south of Prospect Avenue.

As requested by City staff, we then analyzed the cumulative impact of the project with the addition of daily traffic from the proposed Convenience Store/Coffee Shop with Drive thru at the northwest corner of Graves Avenue / Prospect Avenue. Appendix A of this report provides trip generation and assignment of the proposed project traffic. Review of Appendix A, shows the proposed Prospect/Graves Commercial project will add 1,193 daily trips to Graves Avenue south of Prospect Avenue. We then prepared Table 4 to shows the Lantern Crest Ridge II Senior Care Projects impact.

Review of Table 4 shows the addition of the Lantern Crest Ridge II project will add 38 daily trips and the Prospect /Graves commercial project will add 1,139 daily trips to Graves Avenue south of Prospect Avenue. Further review of Table 4 shows the addition of Lantern Crest Ridge II project to existing plus cumulative projects traffic results in the roadway continuing to operate at LOS F. However, the 38 daily project trips are not considered significant.

Table 4 – Opening Day 2018 Plus Cumulative Plus Project Roadway Segment Level of Service										
200001100	Functional	LOS E	Plus Gr Comm	ng Day ( raves/Pr ercial T ondition	ospect raffic	Opening Day (2018) Plus Graves/Prospect Commercial Plus Project Conditions				
	Classification	Classification   Capacity		V/C	LOS	ADT	V/C	LOS	ΔV/C	Proj Sign?
Graves Avenue										
South of Prospect Avenue	Collector (2-Lane without Fronting Property)	10,000	15,297	1.530	F	15,325	1.535	F	0.005	No
	COS=level of service; ADT=Average daily traffic; V/C=volume to capacity ratio, LOS E Capacity per City of Santee Levels of Service, Sign. = 6ignificant Impact if Δ V/C is equal to 0.02 or greater, Proj. = Project									

In summary the development of the Lantern Crest Ridge II project of 46 assisted living /memory care units and 4 independent villas will generate 125 daily, 5 AM peak hour and 10 PM peak hour trips. The addition of the project traffic to Graves Avenue south of Prospect Avenue and surrounding roadways will not create a significant direct impact that requires mitigation.

If you have any questions, please feel free to contact this office.

Sincerely,

DARNELL & ASSOCIATES, IN

Bill E. Darnell, P.E.

Firm Principal

Date Signed:

April 30, 2018

APPENDX A
EXCERTS FROM THE
GRAVES /PROSPECT COMMERCIAL PROJECT
TRAFFIC STUDY



March 29, 2018

Michael Grant Advantage Asset Acquistions, LLC. 8510 Railroad Avenue Santee, CA 92071

D&A Project No: 170104

Subject:

Revised Traffic Study for the proposed Convenience Market and a Coffee Shop with

drive thru located at 8606 Graves Avenue in the City of Santee.

Dear Mr. Grant:

In accordance with you authorization, Darnell & Associates, Inc. (D&A) has prepared this Traffic Impact Study to assess impacts associated with the proposed Convenience Market and a Coffee Shop with drive thru project located at 8606 Graves Avenue in the City of Santee.

This report analyzes the traffic impacts on local roadways and intersections that the project, Opening Day 2018 and Future conditions. The analysis was prepared in accordance with the City of Santee (City) and SANTEC/ITE Guidelines for Traffic Impact Studies (TIS) requirements. The report has been revised to respond to the City of Santee comments to the latest comments.

If you have any questions, please feel free to contact this office.

Sincerely,

DARNELL & ASSOCIATES, INC.

Bill E. Darnell, P.E.

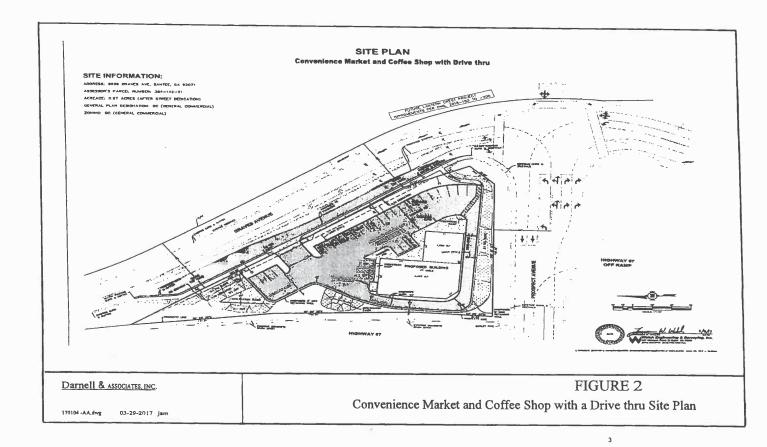
Firm Principal

Date Signed:

March 29, 2018

BED/jam/vla

170104 -CONVEINENCE MARKET AND COFFEE SHOP WITH DRIVE THRU TRAFFIC STUDY\_MARCH 2018.DOC



## SECTION III - PROJECT RELATED CONDITIONS

## TRIP GENERATION

The weekday trip generation potential for the proposed project is based on daily and peak hour trip generation rates obtained from the (Not So) Brief Guide of Traffic Generators for the San Diego Region published by the San Diego Association of Governments (SANDAG) in April 2002 Utilizing the SANDAG rates and the characteristics of the proposed project, estimates of daily and peak hour traffic volumes generated by the project can be calculated. Table 7 summarizes the weekday trip generation rates and calculations for the proposed project.

As shown in Table 8, the proposed project is estimated to generate 4,519 average weekday daily trips with 453 trips being generated during the morning peak hour and 302 trips being generated during the afternoon peak hour. Further review of Table 8 shows that the total cumulative trips with pass-by reductions and credit for the existing Landscape Office Use on the site results in 3,615 Daily, 453 AM peak hour trips and 150 PM peak hour trips to be added to the surrounding roadways in the study area.

Table 7 - Trip Generation Rates and Calculations Summary										
		AM P	PM	/ Peak Hour						
Land Use	Daily	Rate	In	Out	Rate	ln	Out			
Convenience Market (24 Hours)	700.00 trips/ 1,000 sq. ft	63.00/ksf	0.50	0.50	49.00/ksf	0.50	0.50			
Coffee Shop w/Drive Thru	773.17 trips/ 1,000 sq. ft	95.00/ksf	0.55	0.45	46.11/ksf	0.53	0.47			

Table 8 - Project Trip Generation Summary									
	Density	[	AM Peak Hour			PM Peak Hour			
Land Use		Daily	Total	ln	Out	Total	In	Out	
Project Trip Generation									
Coffee Shop with Drive Thru	1.800 ksf	1,392	95	76	171	44	39	83	
Pass-By Reduction (15% Daily, 50% PM)			n/a			-22	-20	-42	
Transit Reduction (5% daily)		-70	n/a			n/a			
Convenience Market	Convenience Market 4.467 ksf		141	141	282	110	109	219	
Pass-By Reduction (15% Daily, 50% PM)		-469	n/a -55			-55	-110		
Transit Reduction (5% daily)		-156	n/a			n/a			
Total Driveway Trips		4,519	236	217	453	154	148	302	
Total Cumulative Trips			236	217	453	77	73	150	

Note: Trip generation rates are based on SANDAG's (Not So) Brief guide to Vehicular Generation Rates for the San Diego Region (April 2002). Driveway trips reflect the total project traffic. Cumulative Trips reflect trip generation after Pass-by traffic subtracted. The trip rates for the Starbucks with a drive-thru are based on the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition. ksf = 1,000 square foot.

## TRIP DISTRIBUTION & ASSIGNMENT

The trip distribution percentages for the project were estimated based on likely travel routes and distributions, as well as circulation to local state routes and major arterials. Figure 5 demonstrates the project trip percentages. The project traffic presented on Table 8 was assigned to the roadway network and is shown on Figure 6.

