

**APPENDIX H
TRAFFIC IMPACTS TO
ADJACENT CITY JURISDICTION REPORT**

Traffic Impacts to Adjacent City Jurisdictions

County of San Diego General Plan Update

(Project Number: 08-100-601-00, Phase 4.2.7)

Final Technical Report

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1.0 Introduction

1.1 Study Background and Purpose

The purpose of this technical report is to document significant traffic impacts on regional arterials located in adjacent incorporated city jurisdictions, as a result of the County of San Diego General Plan Update.

The County of San Diego General Plan Update is a multi-year project which began in August 1998 (referred to as General Plan 2020). The current General Plan for the unincorporated County has not been comprehensively updated since 1979 and has been the subject of substantial modifications over the years. During this period, considerable growth and change has taken place, leading to the incorporation of a number of cities and to annexation of lands on the periphery of the unincorporated area.

County staff has met with community groups and residents numerous times in preparation of the land use and roadway network alternatives which have been the focus of evaluation under the County of San Diego General Plan Update.

1.2 Project Study Area and Scenarios

In response to the County of San Diego Notice of Preparation (NOP) for the Draft EIR of the County of San Diego General Plan Update and the letter (dated July 25, 2008) requesting input from each city jurisdiction, the following incorporated jurisdictions identified roadway segments of concern for possible traffic impacts related to the County of San Diego General Plan Update:

- Carlsbad
- Chula Vista
- El Cajon
- Encinitas
- Escondido
- La Mesa
- Lemon Grove
- Poway
- San Marcos
- Santee
- Solana Beach
- Vista

In addition to the roadway segments identified by the above jurisdictions, a number of additional regional arterial facilities, located in the incorporated jurisdictions of Del Mar, National City, Oceanside, and San Diego, were selected for analysis in this study to ensure a comprehensive county-wide assessment. The list of regional arterials was compiled from the 2007 Regional Transportation Plan (RTP), and then refined based upon location and connectivity to the roadway network within the unincorporated County.

Forecast traffic and resulting Level of Service (LOS) on the identified key roadway segments were analyzed and compared under each of the following three (3) alternative conditions:

- Existing Conditions - Base Year 2007 – This alternative includes existing traffic volumes on the respective roadway segments in the various jurisdictions as currently constructed.

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- County of San Diego General Plan Update (Referral Map - Proposed Project) - The Referral Map was endorsed as the proposed project by the Board of Supervisors during the land use mapping phase of the County of San Diego General Plan Update process. This scenario includes land uses and roadway network consistent with the Referral Map from the County of San Diego General Plan Update.
 - County of San Diego Existing General Plan (No Project) - This scenario includes land uses and roadway network consistent with the buildout of the current County of San Diego General Plan.

1.3 Report Organization

Following this Introduction chapter, this report is organized into the following sections:

- 2.0 Approach and Methodology - This chapter describes the methodologies and standards utilized to analyze roadway traffic conditions in the various jurisdictions.
- 3.0 Existing Conditions – This chapter provides results of the analysis of existing traffic conditions for the identified key roadway segments in the incorporated jurisdictions.
- 4.0 Future Traffic Conditions - This chapter describes future year buildout traffic conditions on the identified key roadway segments under both the County of San Diego Existing General Plan and the County of San Diego General Plan Update (Proposed Project).
- 5.0 Comparison Assessments – This chapter provides a comparison of traffic operations under the three analysis scenarios and identifies significant impacts on the key roadway segments within the adjacent incorporated jurisdictions that may be affected by the proposed County of San Diego General Plan Update.
- 6.0 Summary of Findings - This chapter summarizes the identified traffic impacts on roadway segments within the adjacent incorporated jurisdictions associated with the County of San Diego General Plan Update.

2.0 Approach and Methodology

2.1 Analysis Methodology

Detailed information on the roadway segment analysis methodologies, standards, and thresholds are discussed in the following section.

2.1.1 Level of Service Definitions

The concept of LOS is defined as a qualitative measure describing operational conditions within a traffic stream, and the motorist's and/or passengers' perception of operations. A LOS definition generally describes these conditions in terms of such factors as speed, travel time, freedom to maneuver, comfort, convenience, and safety. **Table 2.1** describes generalized definitions of LOS in transportation systems.

**TABLE 2.1
LEVEL OF SERVICE DEFINITIONS**

LOS Category	Definition of Operation
A	This LOS represents a completely free-flow condition, where the operation of vehicles is virtually unaffected by the presence of other vehicles and only constrained by the geometric features of the highway and by driver preferences.
B	This LOS represents a relatively free-flow condition, although the presence of other vehicles becomes noticeable. Average travel speeds are the same as in LOS A, but drivers have slightly less freedom to maneuver.
C	At this LOS the influence of traffic density on operations becomes marked. The ability to maneuver within the traffic stream is clearly affected by other vehicles.
D	At this LOS, the ability to maneuver is notably restricted due to traffic congestion, and only minor disruptions can be absorbed without extensive queues forming and the service deteriorating.
E	This LOS represents operations at or near capacity. LOS E is an unstable level, with vehicles operating with minimum spacing for maintaining uniform flow. At LOS E, disruptions can not be dissipated readily thus causing deterioration down to LOS F.
F	At this LOS, forced or breakdown of traffic flow occurs, although operations appear to be at capacity, queues form behind these breakdowns. Operations within queues are highly unstable, with vehicles experiencing brief periods of movement followed by stoppages.

Source: Highway Capacity Manual 2000

2.1.2 Roadway Segment Level of Service Standards and Thresholds

Roadway segment LOS standards and thresholds provide the basis for analysis of arterial roadway segment performance. The analysis of roadway segment LOS was based on the functional classification of the roadway, the maximum capacity, roadway geometrics, and existing or forecast Average Daily Traffic (ADT) volumes.

Methodologies for ascertaining roadway LOS vary amongst the jurisdictions. The cities of Carlsbad, Del Mar, El Cajon, La Mesa, Lemon Grove, National City, Poway, San Diego, Santee, and Solana Beach utilize the roadway segment LOS standards and thresholds from the

SANTEC/ITE guidelines, as displayed in **Table 2.2**, for classification of Circulation Element roadways and determination of roadway LOS.

TABLE 2.2
SANTEC/ITE GUIDELINES
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS

Roadway Functional Classification	LOS (in ADT)				
	A	B	C	D	E
Expressway (6-lane)	< 30,000	< 42,000	< 60,000	< 70,000	< 80,000
Prime Arterial (6-lane)	< 25,000	< 35,000	< 50,000	< 55,000	< 60,000
Major Arterial (6-lane, divided)	< 20,000	< 28,000	< 40,000	< 45,000	< 50,000
Major Arterial (4-lane, divided)	< 15,000	< 21,000	< 30,000	< 35,000	< 40,000
Secondary Arterial / Collector (4-lane w/ center lane)	< 10,000	< 14,000	< 20,000	< 25,000	< 30,000
Collector (4-lane w/o center lane)	< 5,000	< 7,000	< 10,000	< 13,000	< 15,000
Collector (2-lane w/ continuous left-turn lane)					
Collector (2-lane no fronting property)	< 4,000	< 5,500	< 7,500	< 9,000	< 10,000
Collector (2-lane w/ commercial fronting)	< 2,500	< 3,500	< 5,000	< 6,500	< 8,000
Collector (2-lane multi-family)					
Sub-Collector (2-lane single-family)	-	-	< 2,200	-	-

Source: SANTEC/ITE Guidelines for Traffic Impact Studies (TIS)

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

Tables 2.3 through 2.8 display the roadway segment LOS standards and thresholds for the remaining jurisdictions including Chula Vista, Encinitas, Escondido, Oceanside, San Marcos, and Vista, as defined by each of the respective cities.

**TABLE 2.3
CITY OF CHULA VISTA
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS**

Roadway Functional Classification	LOS (in ADT)				
	A	B	C	D	E
Expressway (7 or 8-lane)	< 52,500	< 61,300	< 70,000	< 78,800	< 87,500
Prime Arterial (6-lane)	< 37,500	< 43,800	< 50,000	< 56,300	< 62,500
Major Street (6-lane)	< 30,000	< 35,000	< 40,000	< 45,000	< 50,000
Major Street (4-lane)	< 22,500	< 26,300	< 30,000	< 33,800	< 37,500
Town Center Arterial	< 37,500	< 43,800	< 50,000	< 56,300	< 62,500
Class I Collector (4-lane)	< 16,500	< 19,300	< 22,000	< 24,800	< 27,500
Class II Collector (3-lane)	< 9,000	< 10,500	< 12,000	< 13,500	< 15,000
Class III Collector (2-lane)	< 5,600	< 6,600	< 7,500	< 8,400	< 9,400

Source: City of Chula Vista

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

**TABLE 2.4
CITY OF ENCINITAS
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS**

Roadway Functional Classification	LOS (in ADT)		
	A - C	D	E
Prime Arterial (6-lane)	< 46,000	< 51,200	< 57,000
Prime Arterial (6-lane) - Augmented	< 53,000	< 60,000	< 66,000
Major Roadway (4-lane)	< 28,200	< 31,600	< 35,200
Major Roadway (4-lane) - Augmented	< 36,300	< 41,000	< 45,400
Collector Roadway (4-lane)	< 26,000	< 29,200	< 32,400
Local Roadway (2-lane)	< 11,200	< 12,600	< 14,000
Local Roadway (2-lane) - Augmented	< 16,000	< 18,000	< 20,000

Source: City of Encinitas

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

**TABLE 2.5
CITY OF ESCONDIDO
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS**

Roadway Functional Classification	LOS (in ADT)					
	A	B	C	Mid D	D-	E
Prime Arterial (6-Lane, no parking)	< 15,000	< 30,000	< 42,000	< 46,500	< 51,000	< 60,000
Prime Arterial (8-Lane, no parking)	< 17,500	< 35,000	< 49,000	< 54,250	< 59,500	< 70,000
Major Road (4-Lane, no parking)	< 14,800	< 24,700	< 29,600	< 31,500	< 33,400	< 37,000
Major Road (6-Lane, no parking)	< 12,500	< 25,000	< 35,000	< 38,750	< 42,500	< 50,000
Collector (4-Lane, no parking)	< 13,700	< 22,800	< 27,400	< 29,100	< 30,800	< 34,200
Collector (4-Lane, w/ parking)	< 5,500	< 10,000	< 14,000	< 15,500	< 17,000	< 20,000
Local Collector (2 Lane, no parking)	< 4,000	< 7,500	< 10,000	< 11,250	< 12,500	< 15,000
Rural Collector (2-Lane, w/ parking)	< 2,500	< 5,000	< 7,000	< 7,750	< 8,500	< 10,000

Source: City of Escondido

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

**TABLE 2.6
CITY OF OCEANSIDE
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS**

Functional Classification	LOS (in ADT)				
	A	B	C	D	E
Prime Arterial (6-lane)	< 36,000	< 42,000	< 48,000	< 54,000	< 60,000
Major Arterial (6-lane, divided)	< 30,000	< 35,000	< 40,000	< 45,000	< 50,000
Major Arterial (5-lane, divided)	< 27,000	< 31,500	< 36,000	< 40,500	< 45,000
Major Arterial (4-lane, divided)	< 24,000	< 28,000	< 32,000	< 36,000	< 40,000
Secondary Arterial (4-lane, undivided)	< 13,700	< 22,800	< 27,400	< 30,800	< 34,200
Collector Industrial (2-lane)	< 6,000	< 7,000	< 8,000	< 9,000	< 10,000
Collector (2-lane)	< 5,250	< 6,125	< 7,000	< 7,875	< 8,750

Source: City of Oceanside

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

TABLE 2.7
CITY OF SAN MARCOS
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS

Roadway Functional Classification	LOS (in ADT)				
	A	B	C	D	E
Prime Arterial (6-lane)	<25,000	<35,000	<42,000	<51,000	<60,000
Major Arterial (6-lane, divided)	<20,000	<28,000	<35,000	<41,000	<50,000
Major Arterial (4-lane, divided)	< 15,000	< 21,000	<28,000	<35,000	<40,000
Secondary Arterial (4-lane, undivided)	< 10,000	< 14,000	<21,000	<24,500	<30,000
Collector (2-lane)	<5,000	<7,000	<10,000	<12,500	<15,000

Source: City of San Marcos

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

TABLE 2.8
CITY OF VISTA
CIRCULATION ELEMENT ROADWAY CLASSIFICATIONS
CAPACITY AND LEVEL OF SERVICE STANDARDS

Roadway Functional Classification	LOS (in ADT)				
	A	B	C	D	E
Prime Arterial (6-lane)	< 36,000	< 42,000	< 48,000	< 54,000	< 60,000
Major Arterial (4-lane, divided)	< 24,000	< 28,000	< 32,000	< 36,000	< 40,000
Secondary Arterial (4-lane, undivided)	< 15,000	<17,500	< 20,000	< 22,500	< 25,000
Minor Arterial (2-lane, undivided)	< 9,000	< 10,500	< 12,500	< 15,000	< 17,000
Collector (4-lane w/no center lane)	< 5,500	< 7,000	< 10,000	< 13,000	< 15,000
Collector (2-lane w/ continuous left-turn lane)	< 5,500	< 7,000	< 10,000	< 13,000	< 15,000
Light Collector (2-lane)	< 5,300	< 6,200	< 7,000	< 7,900	< 8,800

Source: City of Vista

Note: Bold numbers indicate the ADT thresholds for acceptable LOS.

2.2 Impact Significance Criteria

The cities of Carlsbad, Del Mar, El Cajon, Encinitas, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach, and Vista utilize the *SANTEC/ITE Guidelines for Traffic Impact Studies (TIS) in the San Diego Region* as the basis for defining project impacts. In general, a significant impact would be identified when the addition of project traffic results in a Level of Service dropping from LOS D or better to substandard LOS E or F. In addition, **Table 2.9** summarizes the impact significance thresholds for facilities operating at substandard LOS with and without the project. These thresholds as applied to roadway segments are based upon an acceptable increase in the Volume / Capacity (V/C) ratio.

**TABLE 2.9
SANTEC / ITE
MEASURES OF SIGNIFICANT PROJECT TRAFFIC IMPACTS**

LOS with Project	Allowable Change Due to Impact					
	Freeways		Roadway Segments		Intersections	Ramp Metering
E & F (or ramp meter delays above 15 min.)	V/C	Speed (mph)	V/C	Speed (mph)	Delay (sec)	Delay (min.)
		0.01	1	0.02	1	2

Source: SANTEC/CMP Guidelines for Traffic Impact Studies (TIS) in the San Diego Region

The following two jurisdictions have modified requirements from those stated above:

City of Chula Vista

The City of Chula Vista considers *LOS C* to be the acceptable standard for Circulation Element roadway segments. Significant impacts are those impacts for which the addition of project trips results in an identifiable degradation in LOS on freeway segments, roadway segments, or intersections, triggering the need for improvement strategies.

Criteria for determining whether a project results in significant impacts on roadway segments are as follows:

- i. LOS is LOS D, LOS E, or LOS F.
- ii. Project trips comprise 5% or more of total segment volume.
- iii. Project adds greater than 800 ADT to the segment.

City of Escondido

The City of Escondido considers *LOS Mid D* as the acceptable standard for Circulation Element roadway segments. In addition to the SANTEC Guidelines, the City of Escondido considers an increase in the *V/C ratio by more than 0.02 on a roadway segment or that operates at a LOS D, E or F* to be a significant impact. A proposed project is considered to have a significant impact on a facility if the additional project traffic causes the LOS to degrade from acceptable LOS Mid D or better to substandard LOS D, E, or F.

3.0 Existing Conditions

This section describes the key roadway segments and provides an assessment of roadway performance in terms of operating conditions and LOS under Existing Conditions. Analysis results are summarized by jurisdiction.

3.1 Roadway Network and Volumes

The existing roadway cross-sections are consistent with current roadway lane configurations. The average daily traffic (ADTs) volumes were derived from the SANDAG Series 10 Base Year 2007 traffic model, specially built for the County of San Diego General Plan Update.

3.2 Roadway Performance

Table 3.1 displays existing roadway cross-sections, daily roadway capacity (LOS E) based upon the respective jurisdictional standard, the existing average daily traffic volume (ADT), and the corresponding LOS for the identified key roadway segments by jurisdiction.

**TABLE 3.1
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS**

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
<i>Carlsbad</i>					
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	4-lane Major Arterial	40,000	22,200	C
	Paseo Del Norte to Car Country Dr	4-lane Major Arterial	40,000	8,100	A
	Car Country Dr to Faraday Ave	4-lane Major Arterial	40,000	14,200	A
	Faraday Ave to El Camino Real	4-lane Major Arterial	40,000	9,100	A
	El Camino Real to College Blvd	2-lane Collector w/ CLTL	15,000	9,100	C
	Leisure Village Dr to Shadowridge Dr	4-lane Major Arterial	40,000	4,100	A
	Shadowridge Dr to Lake Blvd	4-lane Major Arterial	40,000	9,700	A
	Lake Blvd to Melrose Dr	4-lane Major Arterial	40,000	15,700	B
	Melrose Dr to Mar Vista Dr	4-lane Major Arterial	40,000	400	A
<i>Chula Vista</i>					
Heritage Rd	Main Street to Chula Vista City Limit	6-lane Prime Arterial	62,500	14,800	A
La Media Rd	Telegraph Canyon Rd to Palomar St	6-lane Prime Arterial	62,500	19,200	A
	Palomar St to Olympic Pkwy	6-lane Prime Arterial	62,500	3,900	A
	Olympic Pkwy to Santa Venetia St	6-lane Prime Arterial	62,500	1,200	A
	Santa Venetia St to Birch Rd	6-lane Prime Arterial	62,500	1,900	A

TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	2-lane Class III Collector	9,400	700	A
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	2-lane Class III Collector	9,400	3,200	A
Willow St	Sweetwater Rd to Bonita Rd	2-lane Class III Collector	9,400	17,000	F
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	4-lane Major Street	37,500	34,300	E
	I-805 SB Ramps to I-805 NB Ramps	4-lane Major Street	37,500	54,000	F
	I-805 NB Ramps to Plaza Bonita Rd	4-lane Major Street	37,500	42,400	F
	Plaza Bonita Rd to Willow St	4-lane Major Street	37,500	30,300	D
	Willow St to Chula Vista City Limit	4-lane Major Street	37,500	32,500	D
<i>Del Mar</i>					
Via de la Valle	Highway 101 to Jimmy Durante Blvd	4-lane Major Arterial	40,000	24,300	C
<i>El Cajon</i>					
Jamacha Rd	Main St to Granite Hill Dr	4-lane Major Arterial	40,000	35,000	E
	Granite Hill Dr to Grove Rd	4-lane Major Arterial	40,000	28,000	C
Washington Ave	El Cajon Blvd to 1 st St	4-lane Major Arterial	40,000	24,500	C
	1 st St to Jamacha Rd	4-lane Major Arterial	40,000	22,000	C
	Jamacha Rd to 3 rd St	4-lane Major Arterial	40,000	14,000	A
	3 rd St to Wichita Ave	4-lane Major Arterial	40,000	16,400	B
	Wichita Ave to Granite Hill Dr	4-lane Major Arterial	40,000	12,400	A
Main St	Magnolia Ave to Ballantyne St	4-lane Major Arterial	40,000	14,600	A
	Ballantyne St to Mollison Ave	4-lane Major Arterial	40,000	15,500	B
	Mollison Ave to 1 st St	4-lane Major Arterial	40,000	19,600	B
	1 st St to Orlando St	4-lane Major Arterial	40,000	16,500	B
	Orlando St to Madison Ave	4-lane Major Arterial	40,000	20,400	B
	Madison Ave to I-8 EB Ramps	4-lane Major Arterial	40,000	11,700	A
Avocado Blvd	Main St to Washington Ave	4-lane Collector (no center In)	15,000	10,600	D
	Washington Ave to Chase Ave	4-lane Collector (no center In)	15,000	17,300	F
Bradley Ave	Cuyamaca St to Marshall Ave	4-lane Major Arterial	40,000	9,300	A
	Marshall Ave to Johnson Ave	4-lane Major Arterial	40,000	20,800	B
	Johnson Ave to Magnolia Ave	4-lane Major Arterial	40,000	15,900	B
	Magnolia Ave to Graves Ave	2-lane Collector	10,000	19,000	F
	Graves Ave to 1 st St	2-lane Collector	10,000	12,600	F

**TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS**

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
2 nd St	Pepper Dr to Persimmon Ave	4-lane Major Arterial	40,000	24,300	C
	Persimmon Ave to Broadway	4-lane Major Arterial	40,000	32,000	D
	Broadway to I-8 WB Ramps	4-lane Major Arterial	40,000	33,500	D
	I-8 WB Ramps to Main St	6-lane Major Arterial	50,000	40,500	D
Chase Ave	El Cajon Blvd to Mollison Ave	4-lane Major Arterial	40,000	24,400	C
	Mollison Ave to Rancho Valle Ct	4-lane Major Arterial	40,000	18,400	B
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	2-lane Collector	10,000	24,500	F
	Bermuda Ln to La Cresta Rd	2-lane Collector	10,000	21,000	F
	La Cresta Rd to Madison Ave	2-lane Collector	10,000	10,400	F
	Madison Ave to Vista Del Escuela	2-lane Collector w/ CLTL	15,000	2,600	A
	Vista Del Escuela to Orchard Ave	2-lane Collector w/ CLTL	15,000	500	A
<i>Encinitas</i>					
El Camino Real	Encinitas Blvd to Santa Fe Dr	6-lane Prime Arterial	57,000	37,100	A - C
	Santa Fe Dr to Manchester Ave	4-lane Major Arterial - Augmented	45,400	26,500	A - C
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	2-lane Local Roadway	14,000	7,300	A - C
Encinitas Blvd	El Camino Real to Manchester Ave	4-lane Major Roadway	35,200	36,200	F
Manchester Ave	I-5 NB Ramps to El Camino Real	4-lane Major Roadway - Augmented	45,400	31,600	A - C
	El Camino Real to Encinitas Blvd	2-lane Local Roadway	14,000	8,300	A - C
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	2-lane Local Roadway - Augmented	20,000	22,700	F
<i>Escondido</i>					
Centre City Pkwy	Country Club Ln to El Norte Pkwy	4-lane Major Road	37,000	15,400	B
	El Norte Pkwy to SR-78 WB Ramps	4-lane Major Road	37,000	29,200	C
	SR-78 WB Ramps to Mission Ave	4-lane Major Road	37,000	34,500	E
	Mission Ave to Washington Ave	4-lane Major Road	37,000	24,900	C
	Washington Ave to 5 th Ave	4-lane Major Road	37,000	23,800	B
	5 th Ave to 13 th Ave	4-lane Major Road	37,000	26,100	C
	13 th Ave to Felicita Ave	4-lane Major Road	37,000	23,900	B
	Felicita Ave to Centre City Rd	4-lane Major Road	37,000	30,000	Mid D

**TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS**

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
Centre City Pkwy	Centre City Rd to Brotherton Rd	4-lane Major Road	37,000	39,400	F
	Brotherton Rd to Citracado Pkwy	4-lane Major Road	37,000	32,600	D-
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	2-lane Local Collector	15,000	13,900	E
	Juniper St to Escondido Blvd	2-lane Local Collector	15,000	18,200	F
	Escondido Blvd to Centre City Pkwy	4-lane Collector	34,200	27,000	C
	Centre City Pkwy to Quince St	2-lane Local Collector	15,000	23,600	F
	Quince St to Citracado Pkwy	2-lane Local Collector	15,000	14,500	E
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	4-lane Major Road	37,000	15,900	B
	Quiet Hills Dr to I-15 SB Ramps	6-lane Major Road	50,000	16,800	B
	I-15 SB Ramps to I-15 NB Ramps	6-lane Prime Arterial	60,000	34,100	C
	I-15 NB Ramps to San Pasqual Rd	6-lane Prime Arterial	60,000	32,800	C
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	4-lane Major Road	37,000	27,900	C
	Mary Ln to Las Palmas Ave	4-lane Major Road	37,000	23,000	B
	Las Palmas Ave to Sunset Dr	2-lane Local Collector	15,000	23,200	F
	Sunset Dr to El Dorado Dr	2-lane Local Collector	15,000	18,800	F
	El Dorado Dr to San Pasqual Valley Rd	2-lane Local Collector	15,000	27,300	F
	San Pasqual Valley Rd to Boyle Ave	2-lane Local Collector	15,000	22,600	F
	Boyle Ave to Hayden Dr	4-lane Major Road	37,000	18,000	B
	Hayden Dr to Valley Pkwy	2-lane Local Collector	15,000	17,300	F
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	4-lane Major Road	37,000	29,800	Mid D
	Wanek Rd to Washington Ave	4-lane Major Road	37,000	26,000	C
	Washington Ave to Lake Wohlford Rd	2-lane Local Collector	15,000	34,200	F
San Pasqual Valley Rd	Washington Ave to Birch Ave	2-lane Local Collector	15,000	21,200	F
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	4-lane Major Road	37,000	11,300	A
Broadway	North Ave to Country Club Ln	4-lane Collector	34,200	6,100	A
	Country Club Ln to Bahia Ln	2-lane Local Collector	15,000	9,000	C
	Bahia Ln to El Norte Pkwy	4-lane Collector	34,200	15,900	B
<i>La Mesa</i>					
Bancroft Dr	Grossmont Blvd to Campo Rd	2-lane Collector	10,000	7,800	D
	Campo Rd to SR-94 WB Ramps	2-lane Collector	10,000	11,600	F
Lemon Ave	La Mesa Blvd to Jackson Dr	2-lane Collector	10,000	1,700	A

**TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS**

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
Lemon Ave	Jackson Dr to Marguerita Ln	2-lane Collector	10,000	12,400	F
	Marguerita Ln to Alto Dr	2-lane Collector	10,000	7,700	D
	Alto Dr to Lake Helix Dr	2-lane Collector	10,000	4,500	B
	Lake Helix Dr to Fuerte Dr	2-lane Collector	10,000	1,500	A
Fuerte Dr	Grossmont Dr to Avocado Blvd	2-lane Collector	10,000	15,700	F
Campo Rd	SR-125 to Bancroft Dr	2-lane Collector	10,000	10,000	F
	Bancroft Dr to Camino Paz	2-lane Collector	10,000	17,000	F
	Camino Paz to Kenwood Rd	2-lane Collector	10,000	12,000	F
	Kenwood Rd to Conrad Dr	4-lane Collector (no center ln)	15,000	42,500	F
	Conrad Dr to Granada Ave	4-lane Collector (no center ln)	15,000	20,300	F
	Granada Ave to Sweetwater Spring Blvd	4-lane Collector (no center ln)	15,000	13,100	E
<i>Lemon Grove</i>					
Troy St	Palm St to Sweetwater Rd	4-lane Collector	30,000	9,000	A
Sweetwater Rd	Broadway to Tyler St	4-lane Collector (no center ln)	15,000	18,000	F
	Tyler St to Jamacha Rd	4-lane Collector	30,000	17,000	C
<i>National City</i>					
30th St	National City Blvd to Highland Ave	4-lane Major Arterial	40,000	7,000	A
	Highland Ave to N 2nd Ave	4-lane Major Arterial	40,000	29,000	C
Euclid Ave	Plaza Blvd to Sweetwater Rd	4-lane Collector (no center ln)	15,000	8,500	C
Plaza Blvd	National City Blvd to Highland Ave	4-lane Collector (no center ln)	15,000	11,300	D
	Highland Ave to Euclid Ave	4-lane Major Arterial	40,000	23,600	C
<i>Oceanside</i>					
Melrose Dr	SR-76 to Old Ranch Rd	6-lane Major Arterial	50,000	9,500	A
	Old Ranch Rd to Spur Ave	4-lane Major Arterial	40,000	2,300	A
	Santa Fe Ave to Sagewood Rd	4-lane Major Arterial	40,000	11,700	A
	Sagewood Rd to Oceanside Blvd	4-lane Major Arterial	40,000	13,300	A
North Santa Fe Ave	SR-76 to Melrose Dr	4-lane Major Arterial	40,000	23,100	A
<i>Poway</i>					
Poway Rd	Spring Hurst Dr to Iola Way	6-lane Major Arterial	50,000	36,900	C
	Iola Way to Oak Knoll Rd	4-lane Major Arterial	40,000	27,300	C
	Oak Knoll Rd to Pomerado Rd	4-lane Major Arterial	40,000	36,000	E

TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
Poway Rd	Pomerado Rd to Carriage Rd	4-lane Major Arterial	40,000	33,500	D
	Carriage Rd to Community Rd	4-lane Major Arterial	40,000	36,500	E
	Community Rd to Midland Rd	5-lane Major Arterial	45,000	35,400	D
	Midland Rd to Ann O Reno Ln	4-lane Major Arterial	40,000	24,500	C
	Ann O Reno Ln to Garden Rd	4-lane Major Arterial	40,000	12,500	A
	Garden Rd to Silver Ridge Rd	2-lane Collector w/ CLTL	15,000	17,000	F
	Silver Ridge Rd to Espola Rd	2-lane Collector w/ CLTL	15,000	12,900	D
	Espola Rd to SR-67	2-lane Collector	10,000	18,800	F
Scripps Poway Pkwy	Springbrook Dr to Community Rd	6-lane Prime Arterial	60,000	49,400	C
	Community Rd to Danielson St	6-lane Prime Arterial	60,000	19,600	A
	Danielson St to SR-67	4-lane Major Arterial	40,000	19,200	B
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	4-lane Major Arterial	40,000	37,700	E
	Ted William Pkwy to Community Rd	4-lane Major Arterial	40,000	44,000	F
	Community Rd to Tierra Bonita Rd	4-lane Major Arterial	40,000	29,000	C
	Tierra Bonita Rd to Espola Rd	4-lane Major Arterial	40,000	24,200	C
Espola Rd	Twin Peaks to Poway Rd	2-lane Collector	10,000	18,000	F
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	6-lane Prime Arterial	60,000	31,200	B
	Pomerado Rd to Twin Peaks Rd	4-lane Major Arterial	40,000	18,800	B
<i>San Diego</i>					
Camino del Norte	Camino San Bernardo to I-15	6-lane Prime Arterial	60,000	35,900	C
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	4-lane Major Arterial	40,000	23,700	C
	W. Bernardo Dr to I-15	4-lane Major Arterial	40,000	47,400	F
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	6-lane Prime Arterial	60,000	52,900	D
	Spring Canyon Rd to Springbrook Dr	4-lane Major Arterial	40,000	25,900	C
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	4-lane Major Arterial	40,000	31,200	D
	I-15 NB Ramps to San Andres Dr	4-lane Major Arterial	40,000	37,700	E
	San Andres Dr to El Camino Real	2-lane Collector	10,000	22,500	F
Airway Rd	Michael Faraday Dr to SR-905	2-lane Collector	10,000	6,600	C
Siempre Viva Rd	La Media Rd to SR-125	6-lane Major Arterial	50,000	10,900	A
	SR-125 to Enrico Fermi Dr	6-lane Major Arterial	50,000	19,400	A

TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
<i>San Marcos</i>					
Las Posas Rd	Borden Rd to Avenida Azul	4-lane Major Arterial	40,000	6,300	A
	Avenida Azul to Mission Rd	6-lane Major Arterial	50,000	8,900	A
	Mission Rd to SR-78 WB Ramps	6-lane Major Arterial	50,000	24,300	B
	SR-78 WB Ramps to Grand Ave	6-lane Major Arterial	50,000	37,700	D
	Grand Ave to Vista Dr	4-lane Secondary Arterial	30,000	15,900	C
	Vista Dr to Stone Dr	4-lane Secondary Arterial	30,000	12,100	B
	Stone Dr to San Marcos Blvd	4-lane Secondary Arterial	30,000	9,900	A
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	2-lane Collector	15,000	16,800	F
	Buena Creek Rd to Olive St	2-lane Collector	15,000	11,800	D
La Cieniega Rd	Twin Oak Valley Rd to Mulberry Dr	2-lane Collector	15,000	5,100	B
Mulberry Dr	Olive St to La Cieniega Rd	2-lane Collector	15,000	1,800	A
<i>Santee</i>					
Mast Blvd	Medina Dr to Halberns Blvd	4-lane Major Arterial	40,000	21,000	C
	Halberns Blvd to Shirley Garden	4-lane Major Arterial	40,000	22,000	C
	Shirley Garden to Magnolia Ave	4-lane Secondary Arterial	30,000	21,700	D
	Magnolia Ave to Los Ranchitos Rd	2-lane Collector	10,000	7,300	C
	west of Pine Grove	4-lane Major Arterial	40,000	5,000	A
	Pine Grove to Riverford Rd	4-lane Major Arterial	40,000	7,000	A
El Nopal	Cuyamaca St to Magnolia Ave	2-lane Collector	10,000	4,500	B
	Magnolia Ave to Aquila Dr	2-lane Collector w/ CLTL	15,000	8,900	C
Woodside Ave	Magnolia Ave to SR-67	4-lane Major Arterial	40,000	32,000	D
	SR-67 to Shadow Hill Rd	2-lane Collector w/ CLTL	15,000	16,000	F
	Shadow Hill Rd to Northcode Rd	2-lane Collector w/ CLTL	15,000	7,000	C
	Northcode Rd to Security Way	2-lane Collector	10,000	5,000	B
	Security Way to SR-67	2-lane Collector	10,000	10,000	F
	SR-67 to Riverford Rd	2-lane Collector	10,000	21,800	F
<i>Solana Beach</i>					
Highway 101	Ocean St to Lomas Santa Fe Dr	4-lane Major Arterial	40,000	29,900	C
	Lomas Santa Fe Dr to Via De la Valle	4-lane Major Arterial	40,000	19,900	B
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	4-lane Major Arterial	40,000	11,900	A

TABLE 3.1 (Continued)
ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING CONDITIONS

Roadway	Segment	Cross-Section	Capacity (LOS E)	ADT	LOS
Lomas Santa Fe Dr	Stevens Ave to Solana Hills Dr	4-lane Major Arterial	40,000	17,800	B
	Solana Hills Dr to I-5 SB Ramps	4-lane Major Arterial	40,000	31,700	D
	I-5 SB Ramps to Via Mil Cumbres	4-lane Major Arterial	40,000	28,300	C
	Via Mil Cumbres to Highland Dr	4-lane Major Arterial	40,000	8,900	A
Steven Ave	Lomas Santa Fe Dr to Academy Dr	4-lane Collector	30,000	13,000	B
	Academy Dr to La Colonia Park	2-lane Collector	10,000	11,900	F
	La Colonia Park to Nardo Ave	4-lane Collector	30,000	11,900	B
	Nardo Ave to Valley Ave	4-lane Collector	30,000	11,000	B
Valley Ave	Stevens Ave to Via De la Valle	4-lane Collector (no center ln)	15,000	13,000	F
Highland Dr	El Camino Real to San Andres Dr	2-lane Collector	10,000	5,000	B
<i>Vista</i>					
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	6-Lane Prime Arterial	60,000	48,900	D
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	2-lane Light Collector	8,800	8,700	E
	Cypress Ave to Foothill Dr	2-lane Light Collector	8,800	4,800	A

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 CLTL = Continuous left-turn lane.

Table 3.2 summarizes the results shown in Table 3.1 by identifying the total number of key roadway segments that are currently operating at substandard LOS E or F (Chula Vista includes LOS D & Escondido includes LOS D-) under Existing conditions. As shown in the table, a total of 56 out of 196 analyzed roadway segments in the adjacent incorporated jurisdictions are currently operating at substandard LOS.

**TABLE 3.2
SUMMARY OF ROADWAY SEGMENTS OPERATING AT SUBSTANDARD LOS
EXISTING CONDITIONS**

Jurisdiction	Total Number Analyzed	Number of Deficient Roadway Segments
Carlsbad	9	0
Chula Vista	13	6
Del Mar	1	0
El Cajon	31	7
Encinitas	7	2
Escondido	35	14
La Mesa	14	9
Lemon Grove	3	1
National City	5	0
Oceanside	5	0
Poway	21	7
San Diego	11	3
San Marcos	11	1
Santee	14	3
Solana Beach	13	2
Vista	3	1
Total	196	56

Source: Wilson & Company; January 2009

4.0 Future Traffic Conditions

This section describes the future year classifications for the key roadway segments within the adjacent incorporated jurisdictions, along with an assessment of roadway performance in terms of operating conditions and LOS under buildout of the existing County of San Diego General Plan and proposed General Plan Update (Referral Map). Analysis results are summarized by jurisdiction.

4.1 Existing County of San Diego General Plan

The existing County of San Diego General Plan represents the no-project condition, and includes land uses and roadway network characteristics within the unincorporated County consistent with the currently adopted County Circulation Element.

4.1.1 Roadway Network and Volumes

The future year roadway classifications within the adjacent incorporated jurisdictions were derived from the circulation elements of the respective jurisdictions. The average daily traffic volumes were derived from the SANDAG Series 10 County of San Diego General Plan Update “Existing General Plan” traffic forecast.

4.1.2 Roadway Performance

Table 4.1 displays the future year roadway classifications within the adjacent incorporated jurisdictions, the roadway capacity (LOS E) based upon the respective jurisdictional standard, the 2030 forecast average daily traffic volume, and the corresponding LOS assuming buildout of the Existing County of San Diego General Plan.

**TABLE 4.1
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN**

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
<i>Carlsbad</i>					
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	4-lane Major Arterial	40,000	27,300	C
	Paseo Del Norte to Car Country Dr	4-lane Major Arterial	40,000	14,400	A
	Car Country Dr to Faraday Ave	4-lane Major Arterial	40,000	28,100	C
	Faraday Ave to El Camino Real	4-lane Major Arterial	40,000	22,200	C
	El Camino Real to College Blvd	4-lane Major Arterial	40,000	17,800	B
	Leisure Village Dr to Shadowridge Dr	4-lane Major Arterial	40,000	22,800	C
	Shadowridge Dr to Lake Blvd	4-lane Major Arterial	40,000	19,900	B
	Lake Blvd to Melrose Dr	4-lane Major Arterial	40,000	23,900	C
	Melrose Dr to Mar Vista Dr	4-lane Major Arterial	40,000	7,900	A

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
<i>Chula Vista</i>					
Heritage Rd	Main Street to Chula Vista City Limit	6-lane Prime Arterial	62,500	23,700	A
La Media Rd	Telegraph Canyon Rd to Palomar St	6-lane Prime Arterial	62,500	26,700	A
	Palomar St to Olympic Pkwy	6-lane Prime Arterial	62,500	12,500	A
	Olympic Pkwy to Santa Venetia St	6-lane Prime Arterial	62,500	18,100	A
	Santa Venetia St to Birch Rd	6-lane Prime Arterial	62,500	22,200	A
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	4-lane Major Street	37,500	8,400	A
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	6-lane Prime Arterial	62,500	27,200	A
Willow St	Sweetwater Rd to Bonita Rd	4-lane Major Street	37,500	17,800	A
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	4-lane Major Street	37,500	37,700	F
	I-805 SB Ramps to I-805 NB Ramps	4-lane Major Street	37,500	55,300	F
	I-805 NB Ramps to Plaza Bonita Rd	4-lane Major Street	37,500	43,200	F
	Plaza Bonita Rd to Willow St	4-lane Major Street	37,500	34,100	E
	Willow St to Chula Vista City Limit	4-lane Major Street	37,500	34,100	E
<i>Del Mar</i>					
Via de la Valle	Highway 101 to Jimmy Durante Blvd	4-lane Major Arterial	40,000	25,300	C
<i>El Cajon</i>					
Jamacha Rd	Main St to Granite Hill Dr	4-lane Major Arterial	40,000	38,000	E
	Granite Hill Dr to Grove Rd	4-lane Major Arterial	40,000	30,000	D
Washington Ave	El Cajon Blvd to 1 st St	4-lane Major Arterial	40,000	25,800	C
	1 st St to Jamacha Rd	4-lane Major Arterial	40,000	23,000	C
	Jamacha Rd to 3 rd St	4-lane Major Arterial	40,000	19,900	B
	3 rd St to Wichita Ave	4-lane Major Arterial	40,000	19,800	B
	Wichita Ave to Granite Hill Dr	4-lane Major Arterial	40,000	15,600	B
Main St	Magnolia Ave to Ballantyne St	4-lane Major Arterial	40,000	14,800	A
	Ballantyne St to Mollison Ave	4-lane Major Arterial	40,000	18,300	B
	Mollison Ave to 1 st St	4-lane Major Arterial	40,000	23,500	C
	1 st St to Orlando St	4-lane Major Arterial	40,000	17,600	B
	Orlando St to Madison Ave	4-lane Major Arterial	40,000	22,800	C
	Madison Ave to I-8 EB Ramps	4-lane Major Arterial	40,000	13,300	A
Avocado Blvd	Main St to Washington Ave	4-lane Major Arterial	40,000	17,900	B

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Avocado Blvd	Washington Ave to Chase Ave	4-lane Major Arterial	40,000	18,600	B
Bradley Ave	Cuyamaca St to Marshall Ave	4-lane Major Arterial	40,000	11,600	A
	Marshall Ave to Johnson Ave	4-lane Major Arterial	40,000	22,200	C
	Johnson Ave to Magnolia Ave	4-lane Major Arterial	40,000	18,000	B
	Magnolia Ave to Graves Ave	4-lane Major Arterial	40,000	25,100	C
	Graves Ave to 1 st St	4-lane Major Arterial	40,000	30,100	D
2 nd St	Pepper Dr to Persimmon Ave	4-lane Major Arterial	40,000	26,400	C
	Persimmon Ave to Broadway	4-lane Major Arterial	40,000	39,000	E
	Broadway to I-8 WB Ramps	4-lane Major Arterial	40,000	34,700	D
	I-8 WB Ramps to Main St	6-lane Major Arterial	50,000	41,400	D
Chase Ave	El Cajon Blvd to Mollison Ave	4-lane Major Arterial	40,000	26,800	C
	Mollison Ave to Rancho Valle Ct	4-lane Major Arterial	40,000	21,000	C
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	4-lane Collector	30,000	27,500	E
	Bermuda Ln to La Cresta Rd	4-lane Collector	30,000	25,000	E
	La Cresta Rd to Madison Ave	4-lane Collector	30,000	10,500	B
	Madison Ave to Vista Del Escuela	4-lane Collector	30,000	2,800	A
	Vista Del Escuela to Orchard Ave	4-lane Collector	30,000	500	A
<i>Encinitas</i>					
El Camino Real	Encinitas Blvd to Santa Fe Dr	6-lane Prime Arterial	57,000	38,000	A-C
	Santa Fe Dr to Manchester Ave	6-lane Prime Arterial	57,000	27,700	A-C
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	2-lane Local Roadway - Augmented	20,000	10,000	A-C
Encinitas Blvd	El Camino Real to Manchester Ave	4-lane Major Roadway	35,200	36,700	F
Manchester Ave	I-5 NB Ramps to El Camino Real	6-lane Prime Arterial	57,000	33,800	A-C
	El Camino Real to Encinitas Blvd	2-lane Local Roadway - Augmented	20,000	11,800	A-C
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	2-lane Local Roadway - Augmented	20,000	23,000	F
<i>Escondido</i>					
Centre City Pkwy	Country Club Ln to El Norte Pkwy	4-lane Major Road	37,000	24,100	B
	El Norte Pkwy to SR-78 WB Ramps	4-lane Major Road	37,000	30,700	Mid D
	SR-78 WB Ramps to Mission Ave	6-lane Major Road	50,000	46,700	E

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Centre City Pkwy	Mission Ave to Washington Ave	6-lane Major Road	50,000	27,800	C
	Washington Ave to 5 th Ave	4-lane Major Road	37,000	25,200	C
	5 th Ave to 13 th Ave	4-lane Major Road	37,000	26,300	C
	13 th Ave to Felicita Ave	4-lane Major Road	37,000	27,300	C
	Felicita Ave to Centre City Rd	4-lane Major Road	37,000	31,000	Mid D
	Centre City Rd to Brotherton Rd	4-lane Major Road	37,000	43,100	F
	Brotherton Rd to Citracado Pkwy	4-lane Major Road	37,000	34,000	E
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	4-lane Collector	34,200	15,700	B
	Juniper St to Escondido Blvd	4-lane Collector	34,200	31,000	E
	Escondido Blvd to Centre City Pkwy	4-lane Collector	34,200	29,900	D-
	Centre City Pkwy to Quince St	4-lane Collector	34,200	26,300	C
	Quince St to Citracado Pkwy	4-lane Collector	34,200	18,300	B
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	4-lane Major Road	37,000	22,200	B
	Quiet Hills Dr to I-15 SB Ramps	6-lane Major Road	50,000	26,000	C
	I-15 SB Ramps to I-15 NB Ramps	6-lane Prime Arterial	60,000	41,000	C
	I-15 NB Ramps to San Pasqual Rd	6-lane Prime Arterial	60,000	42,300	Mid D
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	4-lane Major Road	37,000	29,100	C
	Mary Ln to Las Palmas Ave	4-lane Major Road	37,000	25,600	C
	Las Palmas Ave to Sunset Dr	4-lane Major Road	37,000	26,300	C
	Sunset Dr to El Dorado Dr	4-lane Major Road	37,000	25,200	C
	El Dorado Dr to San Pasqual Valley Rd	4-lane Major Road	37,000	33,200	D-
	San Pasqual Valley Rd to Boyle Ave	4-lane Major Road	37,000	24,400	B
	Boyle Ave to Hayden Dr	4-lane Major Road	37,000	19,100	B
	Hayden Dr to Valley Pkwy	4-lane Major Road	37,000	17,700	B
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	6-lane Prime Arterial	60,000	30,100	C
	Wanek Rd to Washington Ave	6-lane Prime Arterial	60,000	25,800	B
	Washington Ave to Lake Wohlford Rd	8-lane Prime Arterial	70,000	48,000	C
San Pasqual Valley Rd	Washington Ave to Birch Ave	4-lane Major Road	37,000	22,100	B
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	4-lane Major Road	37,000	17,600	B
Broadway	North Ave to Country Club Ln	4-lane Collector	34,200	21,700	B
	Country Club Ln to Bahia Ln	4-lane Collector	34,200	14,200	B

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Broadway	Bahia Ln to El Norte Pkwy	4-lane Collector	34,200	22,600	B
<i>La Mesa</i>					
Bancroft Dr	Grossmont Blvd to Campo Rd	2-lane Collector	10,000	8,000	D
	Campo Rd to SR-94 WB Ramps	4-lane Collector	30,000	12,300	B
Lemon Ave	La Mesa Blvd to Jackson Dr	2-lane Collector	10,000	2,300	A
	Jackson Dr to Marguerita Ln	4-lane Collector	30,000	15,300	C
	Marguerita Ln to Alto Dr	4-lane Collector	30,000	10,900	B
	Alto Dr to Lake Helix Dr	4-lane Collector	30,000	6,800	A
	Lake Helix Dr to Fuerte Dr	4-lane Collector	30,000	3,600	A
Fuerte Dr	Grossmont Dr to Avocado Blvd	2-lane Collector	10,000	15,800	F
Campo Rd	SR-125 to Bancroft Dr	4-lane Collector (no center ln)	15,000	10,100	D
	Bancroft Dr to Camino Paz	4-lane Collector	30,000	17,200	C
	Camino Paz to Kenwood Rd	4-lane Collector	30,000	12,300	B
	Kenwood Rd to Conrad Dr	4-lane Collector	30,000	47,900	F
	Conrad Dr to Granada Ave	4-lane Collector	30,000	22,300	D
	Granada Ave to Sweetwater Spring Blvd	4-lane Collector	30,000	18,800	C
<i>Lemon Grove</i>					
Troy St	Palm St to Sweetwater Rd	4-lane Collector	30,000	10,300	B
Sweetwater Rd	Broadway to Tyler St	4-lane Collector	30,000	18,000	C
	Tyler St to Jamacha Rd	4-lane Collector	30,000	18,300	C
<i>National City</i>					
30th St	National City Blvd to Highland Ave	4-lane Major Arterial	40,000	8,100	A
	Highland Ave to N 2nd Ave	4-lane Major Arterial	40,000	32,500	D
Euclid Ave	Plaza Blvd to Sweetwater Rd	4-lane Major Arterial	40,000	10,100	A
Plaza Blvd	National City Blvd to Highland Ave	4-lane Major Arterial	40,000	15,500	B
	Highland Ave to Euclid Ave	4-lane Major Arterial	40,000	26,800	C
<i>Oceanside</i>					
Melrose Dr	SR-76 to Old Ranch Rd	6-lane Major Arterial	50,000	32,000	B
	Old Ranch Rd to Spur Ave	6-lane Major Arterial	50,000	33,800	B
	Spur Ave to Santa Fe Ave	6-lane Major Arterial	50,000	36,400	C
	Santa Fe Ave to Sagewood Rd	6-lane Prime Arterial	60,000	35,600	A

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Melrose Dr	Sagewood Rd to Oceanside Blvd	6-lane Prime Arterial	60,000	34,800	A
North Santa Fe Ave	SR-76 to Melrose Dr	4-lane Major Arterial	40,000	23,800	A
<i>Poway</i>					
Poway Rd	Spring Hurst Dr to Iola Way	6-lane Major Arterial	50,000	43,300	D
	Iola Way to Oak Knoll Rd	4-lane Major Arterial	40,000	40,300	F
	Oak Knoll Rd to Pomerado Rd	4-lane Major Arterial	40,000	39,900	E
	Pomerado Rd to Carriage Rd	4-lane Major Arterial	40,000	37,800	E
	Carriage Rd to Community Rd	4-lane Major Arterial	40,000	40,300	F
	Community Rd to Midland Rd	5-lane Major Arterial	45,000	39,000	D
	Midland Rd to Ann O Reno Ln	4-lane Major Arterial	40,000	28,200	C
	Ann O Reno Ln to Garden Rd	4-lane Major Arterial	40,000	18,600	B
	Garden Rd to Silver Ridge Rd	2-lane Collector w/ CLTL	15,000	14,000	E
	Silver Ridge Rd to Espola Rd	2-lane Collector w/ CLTL	15,000	13,700	E
	Espola Rd to SR-67	2-lane Collector	10,000	21,200	F
Scripps Poway Pkwy	Springbrook Dr to Community Rd	6-lane Prime Arterial	60,000	58,000	E
	Community Rd to Danielson St	6-lane Prime Arterial	60,000	36,000	C
	Danielson St to SR-67	6-lane Prime Arterial	60,000	36,500	C
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	6-lane Prime Arterial	60,000	41,500	C
	Ted William Pkwy to Community Rd	6-lane Prime Arterial	60,000	51,500	D
	Community Rd to Tierra Bonita Rd	4-lane Major Arterial	40,000	34,300	D
	Tierra Bonita Rd to Espola Rd	4-lane Major Arterial	40,000	29,400	C
Espola Rd	Twin Peaks to Poway Rd	4-lane Secondary Arterial	30,000	24,600	D
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	6-lane Prime Arterial	60,000	42,500	C
	Pomerado Rd to Twin Peaks Rd	6-lane Prime Arterial	60,000	20,100	A
<i>San Diego</i>					
Camino del Norte	Camino San Bernardo to I-15	6-lane Prime Arterial	60,000	54,000	D
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	4-lane Major Arterial	40,000	36,700	E
	W. Bernardo Dr to I-15	4-lane Major Arterial	40,000	56,900	F
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	6-lane Prime Arterial	60,000	61,300	F
	Spring Canyon Rd to Springbrook Dr	4-lane Major Arterial	40,000	29,600	C
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	4-lane Major Arterial	40,000	37,900	E

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Via de la Valle	I-15 NB Ramps to San Andres Dr	4-lane Major Arterial	40,000	40,200	F
	San Andres Dr to El Camino Real	2-lane Collector	10,000	27,100	F
Airway Rd	Michael Faraday Dr to SR-905	2-lane Collector	10,000	16,100	F
Siempre Viva Rd	La Media Rd to SR-125	6-lane Major Arterial	50,000	18,000	A
	SR-125 to Enrico Fermi Dr	6-lane Major Arterial	50,000	50,700	F
<i>San Marcos</i>					
Las Posas Rd	Borden Rd to Avenida Azul	4-lane Major Arterial	40,000	21,400	C
	Avenida Azul to Mission Rd	6-lane Major Arterial	50,000	28,100	C
	Mission Rd to SR-78 WB Ramps	6-lane Major Arterial	50,000	35,400	D
	SR-78 WB Ramps to Grand Ave	6-lane Major Arterial	50,000	55,500	F
	Grand Ave to Vista Dr	4-lane Secondary Arterial	30,000	31,000	F
	Vista Dr to Stone Dr	4-lane Secondary Arterial	30,000	25,100	E
	Stone Dr to San Marcos Blvd	4-lane Secondary Arterial	30,000	21,100	D
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	4-lane Secondary Arterial	30,000	22,000	D
	Buena Creek Rd to Olive St	4-lane Major Arterial	40,000	20,900	B
La Cieniega Rd	Twin Oak Valley Rd to Mulberry Dr	4-lane Secondary Arterial	30,000	6,300	A
Mulberry Dr	Olive St to La Cieniega Rd	4-lane Secondary Arterial	30,000	6,200	A
<i>Santee</i>					
Mast Blvd	Medina Dr to Halberns Blvd	4-lane Major Arterial	40,000	22,400	C
	Halberns Blvd to Shirley Garden	4-lane Major Arterial	40,000	23,200	C
	Shirley Garden to Magnolia Ave	4-lane Secondary Arterial	30,000	25,900	E
	Magnolia Ave to Los Ranchitos Rd	4-lane Major Arterial	40,000	18,800	B
	west of Pine Grove	4-lane Major Arterial	40,000	24,500	C
	Pine Grove to Riverford Rd	4-lane Major Arterial	40,000	11,300	A
El Nopal	Cuyamaca St to Magnolia Ave	2-lane Collector	10,000	5,500	C
	Magnolia Ave to Aquila Dr	2-lane Collector w/ CLTL	15,000	10,400	D
Woodside Ave	Magnolia Ave to SR-67	4-lane Major Arterial	40,000	37,700	E
	SR-67 to Shadow Hill Rd	4-lane Major Arterial	40,000	23,600	C
	Shadow Hill Rd to Northcode Rd	2-lane Collector w/ CLTL	15,000	8,400	C
	Northcode Rd to Security Way	4-lane Major Arterial	40,000	7,000	A
	Security Way to SR-67	4-lane Major Arterial	40,000	18,600	B

TABLE 4.1 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Woodside Ave	SR-67 to Riverford Rd	4-lane Major Arterial	40,000	31,400	D
<i>Solana Beach</i>					
Highway 101	Ocean St to Lomas Santa Fe Dr	4-lane Major Arterial	40,000	34,100	D
	Lomas Santa Fe Dr to Via De la Valle	4-lane Major Arterial	40,000	25,500	C
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	4-lane Major Arterial	40,000	16,500	B
	Stevens Ave to Solana Hills Dr	4-lane Major Arterial	40,000	22,100	C
	Solana Hills Dr to I-5 SB Ramps	4-lane Major Arterial	40,000	37,600	E
	I-5 SB Ramps to Via Mil Cumbres	4-lane Major Arterial	40,000	36,100	E
	Via Mil Cumbres to Highland Dr	4-lane Major Arterial	40,000	16,100	B
Steven Ave	Lomas Santa Fe Dr to Academy Dr	4-lane Collector	30,000	19,300	C
	Academy Dr to La Colonia Park	4-lane Collector	30,000	13,200	B
	La Colonia Park to Nardo Ave	4-lane Collector	30,000	13,200	B
	Nardo Ave to Valley Ave	4-lane Collector	30,000	16,100	C
Valley Ave	Stevens Ave to Via De la Valle	4-lane Collector	30,000	21,300	D
Highland Dr	El Camino Real to San Andres Dr	2-lane Collector	10,000	5,500	C
<i>Vista</i>					
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	6-lane Prime Arterial	60,000	57,300	E
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	4-lane Major Arterial	40,000	15,600	A
	Cypress Ave to Foothill Dr	4-lane Major Arterial	40,000	11,100	A

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 CLTL = Continuous left-turn lane.

Table 4.2 summarizes the results shown in Table 4.1 by identifying the projected total number of key roadway segments which would operate at substandard LOS E or F (Chula Vista includes LOS D & Escondido includes LOS D-) under future year buildout of the Existing County of San Diego General Plan. As shown in the table, a total of 43 out of 197 analyzed roadway segments in the adjacent incorporated jurisdictions would operate at substandard LOS under future year buildout of the existing County of San Diego General Plan.

**TABLE 4.2
SUMMARY OF ROADWAY SEGMENTS OPERATING AT SUBSTANDARD LOS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN**

Jurisdiction	Total Number Analyzed	Number of Deficient Roadway Segments
Carlsbad	9	0
Chula Vista	13	5
Del Mar	1	0
El Cajon	31	4
Encinitas	7	2
Escondido	35	6
La Mesa	14	2
Lemon Grove	3	0
National City	5	0
Oceanside	6	0
Poway	21	8
San Diego	11	8
San Marcos	11	3
Santee	14	2
Solana Beach	13	2
Vista	3	1
Total	197	43

Source: Wilson & Company; January 2009

4.2 Proposed Project (General Plan Update - Referral Map)

The Referral Map was endorsed as the proposed project by the Board of Supervisors during the land use mapping phase of the County’s General Plan Update process.

4.2.1 Roadway Network and Volumes

The future year roadway classifications within the adjacent incorporated jurisdictions were derived from the circulation elements of the respective jurisdictions. The average daily traffic volumes were derived from the SANDAG Series 10 County of San Diego General Plan Update “Referral Map” traffic forecast.

4.2.2 Roadway Performance

Table 4.3 displays the assumed future year roadway classification, the roadway capacity (LOS E) based upon the jurisdictional standard, the 2030 average daily traffic volume, and the corresponding LOS for the analyzed roadway segments in the adjacent incorporated jurisdictions, assuming buildout of the proposed General Plan (Referral Map).

**TABLE 4.3
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)**

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
<i>Carlsbad</i>					
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	4-lane Major Arterial	40,000	27,000	C
	Paseo Del Norte to Car Country Dr	4-lane Major Arterial	40,000	14,400	A
	Car Country Dr to Faraday Ave	4-lane Major Arterial	40,000	28,500	C
	Faraday Ave to El Camino Real	4-lane Major Arterial	40,000	22,700	C
	El Camino Real to College Blvd	4-lane Major Arterial	40,000	19,300	B
	Leisure Village Dr to Shadowridge Dr	4-lane Major Arterial	40,000	24,000	C
	Shadowridge Dr to Lake Blvd	4-lane Major Arterial	40,000	21,600	C
	Lake Blvd to Melrose Dr	4-lane Major Arterial	40,000	26,300	C
	Melrose Dr to Mar Vista Dr	4-lane Major Arterial	40,000	12,500	A
<i>Chula Vista</i>					
Heritage Rd	Main Street to Chula Vista City Limit	6-lane Prime Arterial	62,500	21,000	A
La Media Rd	Telegraph Canyon Rd to Palomar St	6-lane Prime Arterial	62,500	28,100	A
	Palomar St to Olympic Pkwy	6-lane Prime Arterial	62,500	14,600	A
	Olympic Pkwy to Santa Venetia St	6-lane Prime Arterial	62,500	19,500	A
	Santa Venetia St to Birch Rd	6-lane Prime Arterial	62,500	24,700	A
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	4-lane Major Street	37,500	7,700	A
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	6-lane Prime Arterial	62,500	27,500	A
Willow St	Sweetwater Rd to Bonita Rd	4-lane Major Street	37,500	18,500	A
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	4-lane Major Street	37,500	37,800	F
	I-805 SB Ramps to I-805 NB Ramps	4-lane Major Street	37,500	55,500	F
	I-805 NB Ramps to Plaza Bonita Rd	4-lane Major Street	37,500	43,500	F
	Plaza Bonita Rd to Willow St	4-lane Major Street	37,500	33,900	E
	Willow St to Chula Vista City Limit	4-lane Major Street	37,500	39,000	F
<i>Del Mar</i>					
Via de la Valle	Highway 101 to Jimmy Durante Blvd	4-lane Major Arterial	40,000	25,700	C
<i>El Cajon</i>					
Jamacha Rd	Main St to Granite Hill Dr	4-lane Major Arterial	40,000	37,000	E
	Granite Hill Dr to Grove Rd	4-lane Major Arterial	40,000	28,500	C
Washington Ave	El Cajon Blvd to 1 st St	4-lane Major Arterial	40,000	25,200	C

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Washington Ave	1 st St to Jamacha Rd	4-lane Major Arterial	40,000	22,500	C
	Jamacha Rd to 3 rd St	4-lane Major Arterial	40,000	16,600	B
	3 rd St to Wichita Ave	4-lane Major Arterial	40,000	18,100	B
	Wichita Ave to Granite Hill Dr	4-lane Major Arterial	40,000	13,700	A
Main St	Magnolia Ave to Ballantyne St	4-lane Major Arterial	40,000	14,900	A
	Ballantyne St to Mollison Ave	4-lane Major Arterial	40,000	18,000	B
	Mollison Ave to 1 st St	4-lane Major Arterial	40,000	23,800	C
	1 st St to Orlando St	4-lane Major Arterial	40,000	17,900	B
	Orlando St to Madison Ave	4-lane Major Arterial	40,000	23,400	C
	Madison Ave to I-8 EB Ramps	4-lane Major Arterial	40,000	12,500	A
Avocado Blvd	Main St to Washington Ave	4-lane Major Arterial	40,000	17,500	B
	Washington Ave to Chase Ave	4-lane Major Arterial	40,000	18,100	B
Bradley Ave	Cuyamaca St to Marshall Ave	4-lane Major Arterial	40,000	10,900	A
	Marshall Ave to Johnson Ave	4-lane Major Arterial	40,000	21,200	C
	Johnson Ave to Magnolia Ave	4-lane Major Arterial	40,000	16,700	B
	Magnolia Ave to Graves Ave	4-lane Major Arterial	40,000	26,400	C
	Graves Ave to 1 st St	4-lane Major Arterial	40,000	29,900	C
2 nd St	Pepper Dr to Persimmon Ave	4-lane Major Arterial	40,000	25,900	C
	Persimmon Ave to Broadway	4-lane Major Arterial	40,000	36,100	E
	Broadway to I-8 WB Ramps	4-lane Major Arterial	40,000	38,900	E
	I-8 WB Ramps to Main St	6-lane Major Arterial	50,000	42,900	D
Chase Ave	El Cajon Blvd to Mollison Ave	4-lane Major Arterial	40,000	25,600	C
	Mollison Ave to Rancho Valle Ct	4-lane Major Arterial	40,000	19,600	B
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	4-lane Collector	30,000	26,000	E
	Bermuda Ln to La Cresta Rd	4-lane Collector	30,000	24,800	D
	La Cresta Rd to Madison Ave	4-lane Collector	30,000	10,600	B
	Madison Ave to Vista Del Escuela	4-lane Collector	30,000	2,800	A
	Vista Del Escuela to Orchard Ave	4-lane Collector	30,000	500	A
<i>Encinitas</i>					
El Camino Real	Encinitas Blvd to Santa Fe Dr	6-lane Prime Arterial	57,000	37,600	A-C
	Santa Fe Dr to Manchester Ave	6-lane Prime Arterial	57,000	27,200	A-C

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	2-lane Local Roadway - Augmented	20,000	10,100	A-C
Encinitas Blvd	El Camino Real to Manchester Ave	4-lane Major Roadway	35,200	36,900	F
Manchester Ave	I-5 NB Ramps to El Camino Real	6-lane Prime Arterial	57,000	33,000	A-C
	El Camino Real to Encinitas Blvd	2-lane Local Roadway - Augmented	20,000	11,900	A-C
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	2-lane Local Roadway - Augmented	20,000	24,500	F
<i>Escondido</i>					
Centre City Pkwy	Country Club Ln to El Norte Pkwy	4-lane Major Road	37,000	23,100	B
	El Norte Pkwy to SR-78 WB Ramps	4-lane Major Road	37,000	28,600	C
	SR-78 WB Ramps to Mission Ave	6-lane Major Road	50,000	43,500	E
	Mission Ave to Washington Ave	6-lane Major Road	50,000	26,500	C
	Washington Ave to 5 th Ave	4-lane Major Road	37,000	23,800	B
	5 th Ave to 13 th Ave	4-lane Major Road	37,000	25,500	C
	13 th Ave to Felicita Ave	4-lane Major Road	37,000	26,400	C
	Felicita Ave to Centre City Rd	4-lane Major Road	37,000	31,100	Mid D
	Centre City Rd to Brotherton Rd	4-lane Major Road	37,000	43,400	F
	Brotherton Rd to Citracado Pkwy	4-lane Major Road	37,000	34,200	E
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	4-lane Collector	34,200	23,600	C
	Juniper St to Escondido Blvd	4-lane Collector	34,200	33,500	E
	Escondido Blvd to Centre City Pkwy	4-lane Collector	34,200	29,700	D-
	Centre City Pkwy to Quince St	4-lane Collector	34,200	25,800	C
	Quince St to Citracado Pkwy	4-lane Collector	34,200	17,700	B
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	4-lane Major Road	37,000	23,100	B
	Quiet Hills Dr to I-15 SB Ramps	6-lane Major Road	50,000	27,500	C
	I-15 SB Ramps to I-15 NB Ramps	6-lane Prime Arterial	60,000	43,000	Mid D
	I-15 NB Ramps to San Pasqual Rd	6-lane Prime Arterial	60,000	42,100	Mid D
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	4-lane Major Road	37,000	35,300	E
	Mary Ln to Las Palmas Ave	4-lane Major Road	37,000	30,400	Mid D
	Las Palmas Ave to Sunset Dr	4-lane Major Road	37,000	30,800	Mid D
	Sunset Dr to El Dorado Dr	4-lane Major Road	37,000	28,600	C

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Bear Valley Pkwy	El Dorado Dr to San Pasqual Valley Rd	4-lane Major Road	37,000	36,000	E
	San Pasqual Valley Rd to Boyle Ave	4-lane Major Road	37,000	28,100	C
	Boyle Ave to Hayden Dr	4-lane Major Road	37,000	23,800	B
	Hayden Dr to Valley Pkwy	4-lane Major Road	37,000	24,000	B
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	6-lane Prime Arterial	60,000	33,700	C
	Wanek Rd to Washington Ave	6-lane Prime Arterial	60,000	29,200	B
	Washington Ave to Lake Wohlford Rd	8-lane Prime Arterial	70,000	53,400	Mid D
San Pasqual Valley Rd	Washington Ave to Birch Ave	4-lane Major Road	37,000	24,100	B
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	4-lane Major Road	37,000	12,300	A
Broadway	North Ave to Country Club Ln	4-lane Collector	34,200	15,400	B
	Country Club Ln to Bahia Ln	4-lane Collector	34,200	16,000	B
	Bahia Ln to El Norte Pkwy	4-lane Collector	34,200	20,100	B
<i>La Mesa</i>					
Bancroft Dr	Grossmont Blvd to Campo Rd	2-lane Collector	10,000	8,000	D
	Campo Rd to SR-94 WB Ramps	4-lane Collector	30,000	12,700	B
Lemon Ave	La Mesa Blvd to Jackson Dr	2-lane Collector	10,000	2,100	A
	Jackson Dr to Marguerita Ln	4-lane Collector	30,000	14,000	C
	Marguerita Ln to Alto Dr	4-lane Collector	30,000	9,500	A
	Alto Dr to Lake Helix Dr	4-lane Collector	30,000	5,800	A
	Lake Helix Dr to Fuerte Dr	4-lane Collector	30,000	2,700	A
Fuerte Dr	Grossmont Dr to Avocado Blvd	2-lane Collector	10,000	18,500	F
Campo Rd	SR-125 to Bancroft Dr	4-lane Collector (no center In)	15,000	10,700	D
	Bancroft Dr to Camino Paz	4-lane Collector	30,000	17,600	C
	Camino Paz to Kenwood Rd	4-lane Collector	30,000	12,400	B
	Kenwood Rd to Conrad Dr	4-lane Collector	30,000	47,500	F
	Conrad Dr to Granada Ave	4-lane Collector	30,000	20,300	D
	Granada Ave to Sweetwater Spring Blvd	4-lane Collector	30,000	17,800	C
<i>Lemon Grove</i>					
Troy St	Palm St to Sweetwater Rd	4-lane Collector	30,000	9,700	A
Sweetwater Rd	Broadway to Tyler St	4-lane Collector	30,000	19,200	C
	Tyler St to Jamacha Rd	4-lane Collector	30,000	21,100	D

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
<i>National City</i>					
30th St	National City Blvd to Highland Ave	4-lane Major Arterial	40,000	8,000	A
	Highland Ave to N 2nd Ave	4-lane Major Arterial	40,000	33,200	D
Euclid Ave	Plaza Blvd to Sweetwater Rd	4-lane Major Arterial	40,000	10,100	A
Plaza Blvd	National City Blvd to Highland Ave	4-lane Major Arterial	40,000	16,000	B
	Highland Ave to Euclid Ave	4-lane Major Arterial	40,000	26,600	C
<i>Oceanside</i>					
Melrose Dr	SR-76 to Old Ranch Rd	6-lane Major Arterial	50,000	24,700	A
	Old Ranch Rd to Spur Ave	6-lane Major Arterial	50,000	26,800	A
	Spur Ave to Santa Fe Ave	6-lane Major Arterial	50,000	30,300	B
	Santa Fe Ave to Sagewood Rd	6-lane Prime Arterial	60,000	27,100	A
	Sagewood Rd to Oceanside Blvd	6-lane Prime Arterial	60,000	27,600	A
North Santa Fe Ave	SR-76 to Melrose Dr	4-lane Major Arterial	40,000	23,200	A
<i>Poway</i>					
Poway Rd	Spring Hurst Dr to Iola Way	6-lane Major Arterial	50,000	42,800	D
	Iola Way to Oak Knoll Rd	4-lane Major Arterial	40,000	40,000	F
	Oak Knoll Rd to Pomerado Rd	4-lane Major Arterial	40,000	39,600	E
	Pomerado Rd to Carriage Rd	4-lane Major Arterial	40,000	37,500	E
	Carriage Rd to Community Rd	4-lane Major Arterial	40,000	40,000	F
	Community Rd to Midland Rd	5-lane Major Arterial	45,000	38,700	D
	Midland Rd to Ann O Reno Ln	4-lane Major Arterial	40,000	27,600	C
	Ann O Reno Ln to Garden Rd	4-lane Major Arterial	40,000	18,000	B
	Garden Rd to Silver Ridge Rd	2-lane Collector w/ CLTL	15,000	13,200	E
	Silver Ridge Rd to Espola Rd	2-lane Collector w/ CLTL	15,000	12,600	D
	Espola Rd to SR-67	2-lane Collector	10,000	20,100	F
Scripps Poway Pkwy	Springbrook Dr to Community Rd	6-lane Prime Arterial	60,000	56,600	E
	Community Rd to Danielson St	6-lane Prime Arterial	60,000	35,400	C
	Danielson St to SR-67	6-lane Prime Arterial	60,000	36,000	C
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	6-lane Prime Arterial	60,000	40,000	C
	Ted William Pkwy to Community Rd	6-lane Prime Arterial	60,000	50,000	D
	Community Rd to Tierra Bonita Rd	4-lane Major Arterial	40,000	32,800	D

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Twin Peaks Rd	Tierra Bonita Rd to Espola Rd	4-lane Major Arterial	40,000	27,900	C
Espola Rd	Twin Peaks to Poway Rd	4-lane Secondary Arterial	30,000	23,100	D
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	6-lane Prime Arterial	60,000	43,000	C
	Pomerado Rd to Twin Peaks Rd	6-lane Prime Arterial	60,000	20,500	A
<i>San Diego</i>					
Camino del Norte	Camino San Bernardo to I-15	6-lane Prime Arterial	60,000	36,200	C
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	4-lane Major Arterial	40,000	35,800	E
	W. Bernardo Dr to I-15	4-lane Major Arterial	40,000	56,100	F
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	6-lane Prime Arterial	60,000	61,600	F
	Spring Canyon Rd to Springbrook Dr	4-lane Major Arterial	40,000	30,800	D
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	4-lane Major Arterial	40,000	31,700	D
	I-15 NB Ramps to San Andres Dr	4-lane Major Arterial	40,000	43,100	F
	San Andres Dr to El Camino Real	2-lane Collector	10,000	26,500	F
Airway Rd	Michael Faraday Dr to SR-905	2-lane Collector	10,000	17,500	F
Siempre Viva Rd	La Media Rd to SR-125	6-lane Major Arterial	50,000	19,500	A
	SR-125 to Enrico Fermi Dr	6-lane Major Arterial	50,000	59,300	F
<i>San Marcos</i>					
Las Posas Rd	Borden Rd to Avenida Azul	4-lane Major Arterial	40,000	20,300	B
	Avenida Azul to Mission Rd	6-lane Major Arterial	50,000	27,300	B
	Mission Rd to SR-78 WB Ramps	6-lane Major Arterial	50,000	37,300	D
	SR-78 WB Ramps to Grand Ave	6-lane Major Arterial	50,000	56,500	F
	Grand Ave to Vista Dr	4-lane Secondary Arterial	30,000	31,500	F
	Vista Dr to Stone Dr	4-lane Secondary Arterial	30,000	25,600	E
	Stone Dr to San Marcos Blvd	4-lane Secondary Arterial	30,000	21,400	D
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	4-lane Secondary Arterial	30,000	25,000	E
	Buena Creek Rd to Olive St	4-lane Major Arterial	40,000	20,100	B
La Cieniega Rd	Twin Oak Valley Rd to Mulberry Dr	4-lane Secondary Arterial	30,000	5,600	A
Mulberry Dr	Olive St to La Cieniega Rd	4-lane Secondary Arterial	30,000	3,700	A
<i>Santee</i>					
Mast Blvd	Medina Dr to Halberns Blvd	4-lane Major Arterial	40,000	22,000	C
	Halberns Blvd to Shirley Garden	4-lane Major Arterial	40,000	25,300	C

TABLE 4.3 (Continued)
2030 FORECAST ROADWAY LEVEL OF SERVICE BY JURISDICTION
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)

Roadway	Segment	Classification	Capacity (LOS E)	ADT	LOS
Mast Blvd	Shirley Garden to Magnolia Ave	4-lane Secondary Arterial	30,000	27,400	E
	Magnolia Ave to Los Ranchitos Rd	4-lane Major Arterial	40,000	20,000	B
	west of Pine Grove	4-lane Major Arterial	40,000	24,800	C
	Pine Grove to Riverford Rd	4-lane Major Arterial	40,000	11,400	D
El Nopal	Cuyamaca St to Magnolia Ave	2-lane Collector	10,000	5,700	C
	Magnolia Ave to Aquila Dr	2-lane Collector w/ CLTL	15,000	10,800	D
Woodside Ave	Magnolia Ave to SR-67	4-lane Major Arterial	40,000	37,400	E
	SR-67 to Shadow Hill Rd	4-lane Major Arterial	40,000	22,500	C
	Shadow Hill Rd to Northcode Rd	2-lane Collector w/ CLTL	15,000	7,300	C
	Northcode Rd to Security Way	4-lane Major Arterial	40,000	6,000	A
	Security Way to SR-67	4-lane Major Arterial	40,000	16,800	B
	SR-67 to Riverford Rd	4-lane Major Arterial	40,000	29,700	C
<i>Solana Beach</i>					
Highway 101	Ocean St to Lomas Santa Fe Dr	4-lane Major Arterial	40,000	34,600	D
	Lomas Santa Fe Dr to Via De la Valle	4-lane Major Arterial	40,000	24,000	C
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	4-lane Major Arterial	40,000	16,700	B
	Stevens Ave to Solana Hills Dr	4-lane Major Arterial	40,000	21,600	C
	Solana Hills Dr to I-5 SB Ramps	4-lane Major Arterial	40,000	37,000	E
	I-5 SB Ramps to Via Mil Cumbres	4-lane Major Arterial	40,000	33,400	D
	Via Mil Cumbres to Highland Dr	4-lane Major Arterial	40,000	13,200	A
Steven Ave	Lomas Santa Fe Dr to Academy Dr	4-lane Collector	30,000	19,100	C
	Academy Dr to La Colonia Park	4-lane Collector	30,000	13,000	B
	La Colonia Park to Nardo Ave	4-lane Collector	30,000	13,000	B
	Nardo Ave to Valley Ave	4-lane Collector	30,000	15,900	C
Valley Ave	Stevens Ave to Via De la Valle	4-lane Collector	30,000	21,000	D
Highland Dr	El Camino Real to San Andres Dr	2-lane Collector	10,000	6,100	C
<i>Vista</i>					
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	6-lane Prime Arterial	60,000	54,600	E
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	4-lane Major Arterial	40,000	11,900	A
	Cypress Ave to Foothill Dr	4-lane Major Arterial	40,000	7,500	A

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 CLTL = Continuous left-turn lane.

Table 4.4 summarizes the results shown in Table 4.3 by identifying the projected total number of key roadway segments operating at substandard LOS E or F (Chula Vista includes LOS D & Escondido includes LOS D-) under future year buildout of the proposed County of San Diego General Plan Update (Referral Map). As shown, a total of 42 out of 197 analyzed roadway segments in the adjacent incorporated jurisdictions are projected to operate at substandard LOS.

**TABLE 4.4
SUMMARY OF ROADWAY SEGMENTS OPERATING AT SUBSTANDARD LOS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP)**

Jurisdiction	Total Number Analyzed	Number of Deficient Roadway Segments
Carlsbad	9	0
Chula Vista	13	5
Del Mar	1	0
El Cajon	31	4
Encinitas	7	2
Escondido	35	7
La Mesa	14	2
Lemon Grove	3	0
National City	5	0
Oceanside	6	0
Poway	21	7
San Diego	11	7
San Marcos	11	4
Santee	14	2
Solana Beach	13	1
Vista	3	1
Total	197	42

Source: Wilson & Company; January 2009

5.0 Identification of Significant Impacts

This section documents significant impacts on the key roadway segments within the adjacent incorporated jurisdictions that would result from buildout of the proposed County of San Diego General Plan Update. Utilizing the methodologies outlined in Section 2.3, the following comparisons were made for purposes of determining significant traffic impacts:

Existing County of San Diego General Plan to Existing Conditions (Existing Plan to Ground) – this comparison provides a baseline scenario indicating impacts on the adjacent incorporated jurisdictions under buildout of the existing County of San Diego General Plan.

Proposed County of San Diego General Plan Update (Referral Map) to Existing Conditions (Proposed Plan to Ground) – this comparison provides the basis for identifying significant impacts associated with future year buildout of the proposed County of San Diego General Plan Update (Referral Map).

Proposed County of San Diego General Plan (Referral Map) to Existing General Plan (Proposed Plan to Existing Plan) – this comparison provides the basis for identifying new significant impacts that would result with the proposed County of San Diego General Plan.

5.1 Comparison of Existing County of San Diego General Plan to Existing Conditions

Table 5.1 compares projected roadway performance under the buildout of the existing County of San Diego General Plan to Existing conditions, and displays the resulting significant impacts.

**TABLE 5.1
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)**

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>Carlsbad</i>									
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	22,200	0.56	C	27,300	0.68	C	0.12	No
	Paseo Del Norte to Car Country Dr	8,100	0.20	A	14,400	0.36	A	0.16	No
	Car Country Dr to Faraday Ave	14,200	0.36	A	28,100	0.70	C	0.34	No
	Faraday Ave to El Camino Real	9,100	0.23	A	22,200	0.56	C	0.33	No
	El Camino Real to College Blvd	9,100	0.61	C	17,800	0.45	B	-0.16	No
	Leisure Village Dr to Shadowridge Dr	4,100	0.10	A	22,800	0.57	C	0.47	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Cannon Rd	Shadowridge Dr to Lake Blvd	9,700	0.24	A	19,900	0.50	B	0.26	No
	Lake Blvd to Melrose Dr	15,700	0.39	B	23,900	0.60	C	0.21	No
	Melrose Dr to Mar Vista Dr	400	0.01	A	7,900	0.20	A	0.19	No
<i>Chula Vista</i>									
Heritage Rd	Main Street to Chula Vista City Limit	14,800	0.24	A	23,700	0.38	A	0.14	No
La Media Rd	Telegraph Canyon Rd to Palomar St	19,200	0.31	A	26,700	0.43	A	0.12	No
	Palomar St to Olympic Pkwy	3,900	0.06	A	12,500	0.20	A	0.14	No
	Olympic Pkwy to Santa Venetia St	1,200	0.02	A	18,100	0.29	A	0.27	No
	Santa Venetia St to Birch Rd	1,900	0.03	A	22,200	0.36	A	0.33	No
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	700	0.07	A	8,400	0.22	A	0.15	No
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	3,200	0.34	A	27,200	0.44	A	0.10	No
Willow St	Sweetwater Rd to Bonita Rd	17,000	1.81	F	17,800	0.47	A	-1.34	No
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	34,300	0.91	E	37,700	1.01	F	0.10	Yes
	I-805 SB Ramps to I-805 NB Ramps	54,000	1.44	F	55,300	1.47	F	0.03	Yes
	I-805 NB Ramps to Plaza Bonita Rd	42,400	1.13	F	43,200	1.15	F	0.02	Yes
	Plaza Bonita Rd to Willow St	30,300	0.81	D	34,100	0.91	E	0.10	Yes
	Willow St to Chula Vista City Limit	32,500	0.87	D	34,100	0.91	E	0.04	Yes
<i>Del Mar</i>									
Via de la Valle	Highway 101 to Jimmy Durante Blvd	24,300	0.61	C	25,300	0.63	C	0.02	No
<i>El Cajon</i>									
Jamacha Rd	Main St to Granite Hill Dr	35,000	0.88	E	38,000	0.95	E	0.07	Yes
	Granite Hill Dr to Grove Rd	28,000	0.70	C	30,000	0.75	D	0.05	No
Washington Ave	El Cajon Blvd to 1 st St	24,500	0.61	C	25,800	0.65	C	0.04	No
	1 st St to Jamacha Rd	22,000	0.55	C	23,000	0.58	C	0.03	No
	Jamacha Rd to 3 rd St	14,000	0.35	A	19,900	0.50	B	0.15	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Washington Ave	3 rd St to Wichita Ave	16,400	0.41	B	19,800	0.50	B	0.09	No
	Wichita Ave to Granite Hill Dr	12,400	0.31	A	15,600	0.39	B	0.08	No
Main St	Magnolia Ave to Ballantyne St	14,600	0.37	A	14,800	0.37	A	0.00	No
	Ballantyne St to Mollison Ave	15,500	0.39	B	18,300	0.46	B	0.07	No
	Mollison Ave to 1 st St	19,600	0.49	B	23,500	0.59	C	0.10	No
	1 st St to Orlando St	16,500	0.41	B	17,600	0.44	B	0.03	No
	Orlando St to Madison Ave	20,400	0.51	B	22,800	0.57	C	0.06	No
	Madison Ave to I-8 EB Ramps	11,700	0.29	A	13,300	0.33	A	0.04	No
Avocado Blvd	Main St to Washington Ave	10,600	0.71	D	17,900	0.45	B	-0.26	No
	Washington Ave to Chase Ave	17,300	1.15	F	18,600	0.47	B	-0.68	No
Bradley Ave	Cuyamaca St to Marshall Ave	9,300	0.23	A	11,600	0.29	A	0.06	No
	Marshall Ave to Johnson Ave	20,800	0.52	B	22,200	0.56	C	0.04	No
	Johnson Ave to Magnolia Ave	15,900	0.40	B	18,000	0.45	B	0.05	No
	Magnolia Ave to Graves Ave	19,000	1.90	F	25,100	0.63	C	-1.27	No
	Graves Ave to 1 st St	12,600	1.26	F	30,100	0.75	D	-0.51	No
2 nd St	Pepper Dr to Persimmon Ave	24,300	0.61	C	26,400	0.66	C	0.05	No
	Persimmon Ave to Broadway	32,000	0.80	D	39,000	0.98	E	0.18	Yes
	Broadway to I-8 WB Ramps	33,500	0.84	D	34,700	0.87	D	0.03	No
	I-8 WB Ramps to Main St	40,500	0.81	D	41,400	0.83	D	0.02	No
Chase Ave	El Cajon Blvd to Mollison Ave	24,400	0.61	C	26,800	0.67	C	0.06	No
	Mollison Ave to Rancho Valle Ct	18,400	0.46	B	21,000	0.53	C	0.07	No
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	24,500	2.45	F	27,500	0.92	E	-1.53	No
	Bermuda Ln to La Cresta Rd	21,000	2.10	F	25,000	0.83	E	-1.27	No
	La Cresta Rd to Madison Ave	10,400	1.04	F	10,500	0.35	B	-0.69	No
	Madison Ave to Vista Del Escuela	2,600	0.17	A	2,800	0.09	A	-0.08	No
	Vista Del Escuela to Orchard Ave	500	0.03	A	500	0.02	A	-0.01	No
<i>Encinitas</i>									
El Camino Real	Encinitas Blvd to Santa Fe Dr	37,100	0.65	A - C	38,000	0.67	A-C	0.02	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
El Camino Real	Santa Fe Dr to Manchester Ave	26,500	0.58	A - C	27,700	0.49	A-C	-0.09	No
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	7,300	0.52	A - C	10,000	0.50	A-C	-0.02	No
Encinitas Blvd	El Camino Real to Manchester Ave	36,200	1.03	F	36,700	1.04	F	0.01	No
Manchester Ave	I-5 NB Ramps to El Camino Real	31,600	0.70	A - C	33,800	0.59	A-C	-0.11	No
	El Camino Real to Encinitas Blvd	8,300	0.59	A - C	11,800	0.59	A-C	0.00	No
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	22,700	1.14	F	23,000	1.15	F	0.01	No
<i>Escondido</i>									
Centre City Pkwy	Country Club Ln to El Norte Pkwy	15,400	0.42	B	24,100	0.65	B	0.23	No
	El Norte Pkwy to SR-78 WB Ramps	29,200	0.79	C	30,700	0.83	Mid D	0.04	No
	SR-78 WB Ramps to Mission Ave	34,500	0.93	E	46,700	0.93	E	0.00	No
	Mission Ave to Washington Ave	24,900	0.67	C	27,800	0.56	C	-0.11	No
	Washington Ave to 5 th Ave	23,800	0.64	B	25,200	0.68	C	0.04	No
	5 th Ave to 13 th Ave	26,100	0.71	C	26,300	0.71	C	0.00	No
	13 th Ave to Felicita Ave	23,900	0.65	B	27,300	0.74	C	0.09	No
	Felicita Ave to Centre City Rd	30,000	0.81	Mid D	31,000	0.84	Mid D	0.03	No
	Centre City Rd to Brotherton Rd	39,400	1.06	F	43,100	1.16	F	0.10	Yes
Brotherton Rd to Citracado Pkwy	32,600	0.88	D-	34,000	0.92	E	0.04	Yes	
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	13,900	0.93	E	15,700	0.46	B	-0.47	No
	Juniper St to Escondido Blvd	18,200	1.21	F	31,000	0.91	E	-0.30	No
	Escondido Blvd to Centre City Pkwy	27,000	0.79	C	29,900	0.87	D-	0.08	Yes
	Centre City Pkwy to Quince St	23,600	1.57	F	26,300	0.77	C	-0.80	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Felicita Ave/17 th Ave	Quince St to Citracado Pkwy	14,500	0.97	E	18,300	0.54	B	-0.43	No
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	15,900	0.43	B	22,200	0.60	B	0.17	No
	Quiet Hills Dr to I-15 SB Ramps	16,800	0.34	B	26,000	0.52	C	0.18	No
	I-15 SB Ramps to I-15 NB Ramps	34,100	0.57	C	41,000	0.68	C	0.11	No
	I-15 NB Ramps to San Pasqual Rd	32,800	0.55	C	42,300	0.71	Mid D	0.16	No
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	27,900	0.75	C	29,100	0.79	C	0.04	No
	Mary Ln to Las Palmas Ave	23,000	0.62	B	25,600	0.69	C	0.07	No
	Las Palmas Ave to Sunset Dr	23,200	1.55	F	26,300	0.71	C	-0.84	No
	Sunset Dr to El Dorado Dr	18,800	1.25	F	25,200	0.68	C	-0.57	No
	El Dorado Dr to San Pasqual Valley Rd	27,300	1.82	F	33,200	0.90	D-	-0.92	No
	San Pasqual Valley Rd to Boyle Ave	22,600	1.51	F	24,400	0.66	B	-0.85	No
	Boyle Ave to Hayden Dr	18,000	0.49	B	19,100	0.52	B	0.03	No
	Hayden Dr to Valley Pkwy	17,300	1.15	F	17,700	0.48	B	-0.67	No
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	29,800	0.81	Mid D	30,100	0.50	C	-0.31	No
	Wanek Rd to Washington Ave	26,000	0.70	C	25,800	0.43	B	-0.27	No
	Washington Ave to Lake Wohlford Rd	34,200	2.28	F	48,000	0.69	C	-1.59	No
San Pasqual Valley Rd	Washington Ave to Birch Ave	21,200	1.41	F	22,100	0.60	B	-0.81	No
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	11,300	0.31	A	17,600	0.48	B	0.17	No
Broadway	North Ave to Country Club Ln	6,100	0.18	A	21,700	0.63	B	0.45	No
	Country Club Ln to Bahia Ln	9,000	0.60	C	14,200	0.42	B	-0.18	No
	Bahia Ln to El Norte Pkwy	15,900	0.46	B	22,600	0.66	B	0.20	No
<i>La Mesa</i>									
Bancroft Dr	Grossmont Blvd to Campo Rd	7,800	0.78	D	8,000	0.80	D	0.02	No
	Campo Rd to SR-94 WB Ramps	11,600	1.16	F	12,300	0.41	B	-0.75	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Lemon Ave	La Mesa Blvd to Jackson Dr	1,700	0.17	A	2,300	0.23	A	0.06	No
	Jackson Dr to Marguerita Ln	12,400	1.24	F	15,300	0.51	C	-0.73	No
	Marguerita Ln to Alto Dr	7,700	0.77	D	10,900	0.36	B	-0.41	No
	Alto Dr to Lake Helix Dr	4,500	0.45	B	6,800	0.23	A	-0.22	No
	Lake Helix Dr to Fuerte Dr	1,500	0.15	A	3,600	0.12	A	-0.03	No
Fuerte Dr	Grossmont Dr to Avocado Blvd	15,700	1.57	F	15,800	1.58	F	0.01	No
Campo Rd	SR-125 to Bancroft Dr	10,000	1.00	F	10,100	0.67	D	-0.33	No
	Bancroft Dr to Camino Paz	17,000	1.70	F	17,200	0.57	C	-1.13	No
	Camino Paz to Kenwood Rd	12,000	1.20	F	12,300	0.41	B	-0.79	No
	Kenwood Rd to Conrad Dr	42,500	2.83	F	47,900	1.60	F	-1.23	No
	Conrad Dr to Granada Ave	20,300	1.35	F	22,300	0.74	D	-0.61	No
	Granada Ave to Sweetwater Spring Blvd	13,100	0.87	E	18,800	0.63	C	-0.24	No
<i>Lemon Grove</i>									
Troy St	Palm St to Sweetwater Rd	9,000	0.30	A	10,300	0.34	B	0.04	No
Sweetwater Rd	Broadway to Tyler St	18,000	1.20	F	18,000	0.60	C	-0.60	No
	Tyler St to Jamacha Rd	17,000	0.57	C	18,300	0.61	C	0.04	No
<i>National City</i>									
30th St	National City Blvd to Highland Ave	7,000	0.18	A	8,100	0.20	A	0.02	No
	Highland Ave to N 2nd Ave	29,000	0.73	C	32,500	0.81	D	0.08	No
Euclid Ave	Plaza Blvd to Sweetwater Rd	8,500	0.57	C	10,100	0.25	A	-0.32	No
Plaza Blvd	National City Blvd to Highland Ave	11,300	0.75	D	15,500	0.39	B	-0.36	No
	Highland Ave to Euclid Ave	23,600	0.59	C	26,800	0.67	C	0.08	No
<i>Oceanside</i>									
Melrose Dr	SR-76 to Old Ranch Rd	9,500	0.19	A	32,000	0.64	B	0.45	No
	Old Ranch Rd to Spur Ave	2,300	0.06	A	33,800	0.68	B	0.62	No
	Spur Ave to Santa Fe Ave	N/A	N/A	N/A	36,400	0.73	C	N/A	No
	Santa Fe Ave to Sagewood Rd	11,700	0.29	A	35,600	0.59	A	0.30	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Melrose Dr	Sagewood Rd to Oceanside Blvd	13,300	0.33	A	34,800	0.58	A	0.25	No
North Santa Fe Ave	SR-76 to Melrose Dr	23,100	0.58	A	23,800	0.60	A	0.02	No
<i>Poway</i>									
Poway Rd	Spring Hurst Dr to Iola Way	36,900	0.74	C	43,300	0.87	D	0.13	No
	Iola Way to Oak Knoll Rd	27,300	0.68	C	40,300	1.01	F	0.33	Yes
	Oak Knoll Rd to Pomerado Rd	36,000	0.90	E	39,900	1.00	E	0.10	Yes
	Pomerado Rd to Carriage Rd	33,500	0.84	D	37,800	0.95	E	0.11	Yes
	Carriage Rd to Community Rd	36,500	0.91	E	40,300	1.01	F	0.10	Yes
	Community Rd to Midland Rd	35,400	0.79	D	39,000	0.87	D	0.08	No
	Midland Rd to Ann O Reno Ln	24,500	0.61	C	28,200	0.71	C	0.10	No
	Ann O Reno Ln to Garden Rd	12,500	0.31	A	18,600	0.47	B	0.16	No
	Garden Rd to Silver Ridge Rd	17,000	1.13	F	14,000	0.93	E	-0.20	No
	Silver Ridge Rd to Espola Rd	12,900	0.86	D	13,700	0.91	E	0.05	Yes
Espola Rd to SR-67	18,800	1.88	F	21,200	2.12	F	0.24	Yes	
Scripps Poway Pkwy	Springbrook Dr to Community Rd	49,400	0.82	C	58,000	0.97	E	0.15	Yes
	Community Rd to Danielson St	19,600	0.33	A	36,000	0.60	C	0.27	No
	Danielson St to SR-67	19,200	0.48	B	36,500	0.61	C	0.13	No
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	37,700	0.94	E	41,500	0.69	C	-0.25	No
	Ted William Pkwy to Community Rd	44,000	1.10	F	51,500	0.86	D	-0.24	No
	Community Rd to Tierra Bonita Rd	29,000	0.73	C	34,300	0.86	D	0.13	No
	Tierra Bonita Rd to Espola Rd	24,200	0.61	C	29,400	0.74	C	0.13	No
Espola Rd	Twin Peaks to Poway Rd	18,000	1.80	F	24,600	0.82	D	-0.98	No
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	31,200	0.52	B	42,500	0.71	C	0.19	No
	Pomerado Rd to Twin Peaks Rd	18,800	0.47	B	20,100	0.34	A	-0.13	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>San Diego</i>									
Camino del Norte	Camino San Bernardo to I-15	35,900	0.60	C	54,000	0.90	D	0.30	No
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	23,700	0.59	C	36,700	0.92	E	0.33	Yes
	W. Bernardo Dr to I-15	47,400	1.19	F	56,900	1.42	F	0.23	Yes
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	52,900	0.88	D	61,300	1.02	F	0.14	Yes
	Spring Canyon Rd to Springbrook Dr	25,900	0.65	C	29,600	0.74	C	0.09	No
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	31,200	0.78	D	37,900	0.95	E	0.17	Yes
	I-15 NB Ramps to San Andres Dr	37,700	0.94	E	40,200	1.01	F	0.07	Yes
	San Andres Dr to El Camino Real	22,500	2.25	F	27,100	2.71	F	0.46	Yes
Airway Rd	Michael Faraday Dr to SR-905	6,600	0.66	C	16,100	1.61	F	0.95	Yes
Siempre Viva Rd	La Media Rd to SR-125	10,900	0.22	A	18,000	0.36	A	0.14	No
	SR-125 to Enrico Fermi Dr	19,400	0.39	A	50,700	1.01	F	0.62	Yes
<i>San Marcos</i>									
Las Posas Rd	Borden Rd to Avenida Azul	6,300	0.16	A	21,400	0.54	C	0.38	No
	Avenida Azul to Mission Rd	8,900	0.18	A	28,100	0.56	C	0.38	No
	Mission Rd to SR-78 WB Ramps	24,300	0.49	B	35,400	0.71	D	0.22	No
	SR-78 WB Ramps to Grand Ave	37,700	0.75	D	55,500	1.11	F	0.36	Yes
	Grand Ave to Vista Dr	15,900	0.53	C	31,000	1.03	F	0.50	Yes
	Vista Dr to Stone Dr	12,100	0.40	B	25,100	0.84	E	0.44	Yes
	Stone Dr to San Marcos Blvd	9,900	0.33	A	21,100	0.70	D	0.37	No
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	16,800	1.12	F	22,000	0.73	D	-0.39	No
	Buena Creek Rd to Olive St	11,800	0.79	D	20,900	0.52	B	-0.27	No
La Cienega Rd	Twin Oak Valley Rd to Mulberry Dr	5,100	0.34	B	6,300	0.21	A	-0.13	No
Mulberry Dr	Olive St to La Cienega Rd	1,800	0.12	A	6,200	0.21	A	0.09	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>Santee</i>									
Mast Blvd	Medina Dr to Halberns Blvd	21,000	0.53	C	22,400	0.56	C	0.03	No
	Halberns Blvd to Shirley Garden	22,000	0.55	C	23,200	0.58	C	0.03	No
	Shirley Garden to Magnolia Ave	21,700	0.72	D	25,900	0.86	E	0.14	Yes
	Magnolia Ave to Los Ranchitos Rd	7,300	0.73	C	18,800	0.47	B	-0.26	No
	west of Pine Grove	5,000	0.13	A	24,500	0.61	C	0.48	No
	Pine Grove to Riverford Rd	7,000	0.18	A	11,300	0.28	A	0.10	No
El Nopal	Cuyamaca St to Magnolia Ave	4,500	0.45	B	5,500	0.55	C	0.10	No
	Magnolia Ave to Aquila Dr	8,900	0.59	C	10,400	0.69	D	0.10	No
Woodside Ave	Magnolia Ave to SR-67	32,000	0.80	D	37,700	0.94	E	0.14	Yes
	SR-67 to Shadow Hill Rd	16,000	1.07	F	23,600	0.59	C	-0.48	No
	Shadow Hill Rd to Northcode Rd	7,000	0.47	C	8,400	0.56	C	0.09	No
	Northcode Rd to Security Way	5,000	0.50	B	7,000	0.18	A	-0.32	No
	Security Way to SR-67	10,000	1.00	F	18,600	0.47	B	-0.53	No
	SR-67 to Riverford Rd	21,800	2.18	F	31,400	0.79	D	-1.39	No
<i>Solana Beach</i>									
Highway 101	Ocean St to Lomas Santa Fe Dr	29,900	0.75	C	34,100	0.85	D	0.10	No
	Lomas Santa Fe Dr to Via De la Valle	19,900	0.50	B	25,500	0.64	C	0.14	No
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	11,900	0.30	A	16,500	0.41	B	0.11	No
	Stevens Ave to Solana Hills Dr	17,800	0.45	B	22,100	0.55	C	0.10	No
	Solana Hills Dr to I-5 SB Ramps	31,700	0.79	D	37,600	0.94	E	0.15	Yes
	I-5 SB Ramps to Via Mil Cumbres	28,300	0.71	C	36,100	0.90	E	0.19	Yes
	Via Mil Cumbres to Highland Dr	8,900	0.22	A	16,100	0.40	B	0.18	No
Steven Ave	Lomas Santa Fe Dr to Academy Dr	13,000	0.43	B	19,300	0.64	C	0.21	No

TABLE 5.1 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Steven Ave	Academy Dr to La Colonia Park	11,900	1.19	F	13,200	0.44	B	-0.75	No
	La Colonia Park to Nardo Ave	11,900	0.40	B	13,200	0.44	B	0.04	No
	Nardo Ave to Valley Ave	11,000	0.37	B	16,100	0.54	C	0.17	No
Valley Ave	Stevens Ave to Via De la Valle	13,000	0.87	F	21,300	0.71	D	-0.16	No
Highland Dr	El Camino Real to San Andres Dr	5,000	0.50	B	5,500	0.55	C	0.05	No
<i>Vista</i>									
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	48,900	0.82	D	57,300	0.96	E	0.14	Yes
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	8,700	0.99	E	15,600	0.39	A	-0.60	No
	Cypress Ave to Foothill Dr	4,800	0.55	A	11,100	0.28	A	-0.27	No

Source: Wilson & Company; January 2009

Notes:

Bold letters indicate substandard LOS.

Δ in V/C = The change in the volume to capacity ratio between the two scenarios.

N/A = This segment does not currently exist.

Table 5.2 summarizes the results of Table 5.1 by identifying the number of significantly impacted roadway segments in the adjacent incorporated jurisdictions based upon the comparison of the future year buildout of the existing County of San Diego General Plan to Existing Conditions. As shown, a total of 33 roadway segments are identified as being significantly impacted under this scenario.

TABLE 5.2
SUMMARY OF SIGNIFICANT IMPACTED SEGMENTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Jurisdiction	Total Number Analyzed	Number of Significantly Impacted Segments
Carlsbad	9	0
Chula Vista	13	5
Del Mar	1	0
El Cajon	31	2
Encinitas	7	0
Escondido	35	3
La Mesa	14	0
Lemon Grove	3	0
National City	5	0
Oceanside	6 (5 under Existing)	0
Poway	21	7
San Diego	11	8
San Marcos	11	3
Santee	14	2
Solana Beach	13	2
Vista	3	1
Total	197 (196 under Existing)	33

Source: Wilson & Company; January 2009

5.2 Comparison of Proposed County of San Diego General Plan Update (Referral Map) to Existing Conditions

Table 5.3 compares projected roadway performance on the key roadway segments within the adjacent incorporated jurisdictions under the proposed County of San Diego General Plan Update (Referral Map) to Existing conditions, and displays the resulting significant impacts.

**TABLE 5.3
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)**

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>Carlsbad</i>									
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	22,200	0.56	C	27,000	0.68	C	0.12	No
	Paseo Del Norte to Car Country Dr	8,100	0.20	A	14,400	0.36	A	0.16	No
	Car Country Dr to Faraday Ave	14,200	0.36	A	28,500	0.71	C	0.35	No
	Faraday Ave to El Camino Real	9,100	0.23	A	22,700	0.57	C	0.34	No
	El Camino Real to College Blvd	9,100	0.61	C	19,300	0.48	B	-0.13	No
	Leisure Village Dr to Shadowridge Dr	4,100	0.10	A	24,000	0.60	C	0.50	No
	Shadowridge Dr to Lake Blvd	9,700	0.24	A	21,600	0.54	C	0.30	No
	Lake Blvd to Melrose Dr	15,700	0.39	B	26,300	0.66	C	0.27	No
	Melrose Dr to Mar Vista Dr	400	0.01	A	12,500	0.31	A	0.30	No
<i>Chula Vista</i>									
Heritage Rd	Main Street to Chula Vista City Limit	14,800	0.24	A	21,000	0.34	A	0.10	No
La Media Rd	Telegraph Canyon Rd to Palomar St	19,200	0.31	A	28,100	0.45	A	0.14	No
	Palomar St to Olympic Pkwy	3,900	0.06	A	14,600	0.23	A	0.17	No
	Olympic Pkwy to Santa Venetia St	1,200	0.02	A	19,500	0.31	A	0.29	No
	Santa Venetia St to Birch Rd	1,900	0.03	A	24,700	0.40	A	0.37	No
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	700	0.07	A	7,700	0.21	A	0.14	No
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	3,200	0.34	A	27,500	0.44	A	0.10	No
Willow St	Sweetwater Rd to Bonita Rd	17,000	1.81	F	18,500	0.49	A	-1.32	No
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	34,300	0.91	E	37,800	1.01	F	0.10	Yes
	I-805 SB Ramps to I-805 NB Ramps	54,000	1.44	F	55,500	1.48	F	0.04	Yes
	I-805 NB Ramps to Plaza Bonita Rd	42,400	1.13	F	43,500	1.16	F	0.03	Yes

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Bonita Rd	Plaza Bonita Rd to Willow St	30,300	0.81	D	33,900	0.90	E	0.09	Yes
	Willow St to Chula Vista City Limit	32,500	0.87	D	39,000	1.04	F	0.17	Yes
<i>Del Mar</i>									
Via de la Valle	Highway 101 to Jimmy Durante Blvd	40,000	0.61	C	25700	0.64	C	0.03	No
<i>El Cajon</i>									
Jamacha Rd	Main St to Granite Hill Dr	35,000	0.88	E	37,000	0.93	E	0.05	Yes
	Granite Hill Dr to Grove Rd	28,000	0.70	C	28,500	0.71	C	0.01	No
Washington Ave	El Cajon Blvd to 1 st St	24,500	0.61	C	25,200	0.63	C	0.02	No
	1 st St to Jamacha Rd	22,000	0.55	C	22,500	0.56	C	0.01	No
	Jamacha Rd to 3 rd St	14,000	0.35	A	16,600	0.42	B	0.07	No
	3 rd St to Wichita Ave	16,400	0.41	B	18,100	0.45	B	0.04	No
	Wichita Ave to Granite Hill Dr	12,400	0.31	A	13,700	0.34	A	0.03	No
Main St	Magnolia Ave to Ballantyne St	14,600	0.37	A	14,900	0.37	A	0.00	No
	Ballantyne St to Mollison Ave	15,500	0.39	B	18,000	0.45	B	0.06	No
	Mollison Ave to 1 st St	19,600	0.49	B	23,800	0.60	C	0.11	No
	1 st St to Orlando St	16,500	0.41	B	17,900	0.45	B	0.04	No
	Orlando St to Madison Ave	20,400	0.51	B	23,400	0.59	C	0.08	No
	Madison Ave to I-8 EB Ramps	11,700	0.29	A	12,500	0.31	A	0.02	No
Avocado Blvd	Main St to Washington Ave	10,600	0.71	D	17,500	0.44	B	-0.27	No
	Washington Ave to Chase Ave	17,300	1.15	F	18,100	0.45	B	-0.70	No
Bradley Ave	Cuyamaca St to Marshall Ave	9,300	0.23	A	10,900	0.27	A	0.04	No
	Marshall Ave to Johnson Ave	20,800	0.52	B	21,200	0.53	C	0.01	No
	Johnson Ave to Magnolia Ave	15,900	0.40	B	16,700	0.42	B	0.02	No
	Magnolia Ave to Graves Ave	19,000	1.90	F	26,400	0.66	C	-1.24	No
	Graves Ave to 1 st St	12,600	1.26	F	29,900	0.75	C	-0.51	No
2 nd St	Pepper Dr to Persimmon Ave	24,300	0.61	C	25,900	0.65	C	0.04	No
	Persimmon Ave to Broadway	32,000	0.80	D	36,100	0.90	E	0.10	Yes
	Broadway to I-8 WB Ramps	33,500	0.84	D	38,900	0.97	E	0.13	Yes
	I-8 WB Ramps to Main St	40,500	0.81	D	42,900	0.86	D	0.05	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Chase Ave	El Cajon Blvd to Mollison Ave	24,400	0.61	C	25,600	0.64	C	0.03	No
	Mollison Ave to Rancho Valle Ct	18,400	0.46	B	19,600	0.49	B	0.03	No
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	24,500	2.45	F	26,000	0.87	E	-1.58	No
	Bermuda Ln to La Cresta Rd	21,000	2.10	F	24,800	0.83	D	-1.27	No
	La Cresta Rd to Madison Ave	10,400	1.04	F	10,600	0.35	B	-0.69	No
	Madison Ave to Vista Del Escuela	2,600	0.17	A	2,800	0.09	A	-0.08	No
	Vista Del Escuela to Orchard Ave	500	0.03	A	500	0.02	A	-0.01	No
<i>Encinitas</i>									
El Camino Real	Encinitas Blvd to Santa Fe Dr	37,100	0.67	A - C	37,600	0.66	A-C	-0.01	No
	Santa Fe Dr to Manchester Ave	26,500	0.49	A - C	27,200	0.48	A-C	-0.01	No
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	7,300	0.50	A - C	10,100	0.51	A-C	0.01	No
Encinitas Blvd	El Camino Real to Manchester Ave	36,200	1.04	F	36,900	1.05	F	0.01	No
Manchester Ave	I-5 NB Ramps to El Camino Real	31,600	0.59	A - C	33,000	0.58	A-C	-0.01	No
	El Camino Real to Encinitas Blvd	8,300	0.59	A - C	11,900	0.60	A-C	0.01	No
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	22,700	1.15	F	24,500	1.23	F	0.08	Yes
<i>Escondido</i>									
Centre City Pkwy	Country Club Ln to El Norte Pkwy	15,400	0.42	B	23,100	0.62	B	0.20	No
	El Norte Pkwy to SR-78 WB Ramps	29,200	0.79	C	28,600	0.77	C	-0.02	No
	SR-78 WB Ramps to Mission Ave	34,500	0.93	E	43,500	0.87	E	-0.06	No
	Mission Ave to Washington Ave	24,900	0.67	C	26,500	0.53	C	-0.14	No
	Washington Ave to 5 th Ave	23,800	0.64	B	23,800	0.64	B	0.00	No
	5 th Ave to 13 th Ave	26,100	0.71	C	25,500	0.69	C	-0.02	No
	13 th Ave to Felicita Ave	23,900	0.65	B	26,400	0.71	C	0.06	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Centre City Pkwy	Felicita Ave to Centre City Rd	30,000	0.81	Mid D	31,100	0.84	Mid D	0.03	No
	Centre City Rd to Brotherton Rd	39,400	1.06	F	43,400	1.17	F	0.11	Yes
	Brotherton Rd to Citracado Pkwy	32,600	0.88	D-	34,200	0.92	E	0.04	Yes
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	13,900	0.93	E	23,600	0.69	C	-0.24	No
	Juniper St to Escondido Blvd	18,200	1.21	F	33,500	0.98	E	-0.23	No
	Escondido Blvd to Centre City Pkwy	27,000	0.79	C	29,700	0.87	D-	0.08	Yes
	Centre City Pkwy to Quince St	23,600	1.57	F	25,800	0.75	C	-0.82	No
	Quince St to Citracado Pkwy	14,500	0.97	E	17,700	0.52	B	-0.45	No
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	15,900	0.43	B	23,100	0.62	B	0.19	No
	Quiet Hills Dr to I-15 SB Ramps	16,800	0.34	B	27,500	0.55	C	0.21	No
	I-15 SB Ramps to I-15 NB Ramps	34,100	0.57	C	43,000	0.72	Mid D	0.15	No
	I-15 NB Ramps to San Pasqual Rd	32,800	0.55	C	42,100	0.70	Mid D	0.15	No
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	27,900	0.75	C	35,300	0.95	E	0.20	Yes
	Mary Ln to Las Palmas Ave	23,000	0.62	B	30,400	0.82	Mid D	0.20	No
	Las Palmas Ave to Sunset Dr	23,200	1.55	F	30,800	0.83	Mid D	-0.72	No
	Sunset Dr to El Dorado Dr	18,800	1.25	F	28,600	0.77	C	-0.48	No
	El Dorado Dr to San Pasqual Valley Rd	27,300	1.82	F	36,000	0.97	E	-0.85	No
	San Pasqual Valley Rd to Boyle Ave	22,600	1.51	F	28,100	0.76	C	-0.75	No
	Boyle Ave to Hayden Dr	18,000	0.49	B	23,800	0.64	B	0.15	No
	Hayden Dr to Valley Pkwy	17,300	1.15	F	24,000	0.65	B	-0.50	No
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	29,800	0.81	Mid D	33,700	0.56	C	-0.25	No
	Wanek Rd to Washington Ave	26,000	0.70	C	29,200	0.49	B	-0.21	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Valley Pkwy	Washington Ave to Lake Wohlford Rd	34,200	2.28	F	53,400	0.76	Mid D	-1.52	No
San Pasqual Valley Rd	Washington Ave to Birch Ave	21,200	1.41	F	24,100	0.65	B	-0.76	No
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	11,300	0.31	A	12,300	0.33	A	0.02	No
Broadway	North Ave to Country Club Ln	6,100	0.18	A	15,400	0.45	B	0.27	No
	Country Club Ln to Bahia Ln	9,000	0.60	C	16,000	0.47	B	-0.13	No
	Bahia Ln to El Norte Pkwy	15,900	0.46	B	20,100	0.59	B	0.13	No
<i>La Mesa</i>									
Bancroft Dr	Grossmont Blvd to Campo Rd	7,800	0.78	D	8,000	0.80	D	0.02	No
	Campo Rd to SR-94 WB Ramps	11,600	1.16	F	12,700	0.42	B	-0.74	No
Lemon Ave	La Mesa Blvd to Jackson Dr	1,700	0.17	A	2,100	0.21	A	0.04	No
	Jackson Dr to Marguerita Ln	12,400	1.24	F	14,000	0.47	C	-0.77	No
	Marguerita Ln to Alto Dr	7,700	0.77	D	9,500	0.32	A	-0.45	No
	Alto Dr to Lake Helix Dr	4,500	0.45	B	5,800	0.19	A	-0.26	No
	Lake Helix Dr to Fuerte Dr	1,500	0.15	A	2,700	0.09	A	-0.06	No
Fuerte Dr	Grossmont Dr to Avocado Blvd	15,700	1.57	F	18,500	1.85	F	0.28	Yes
Campo Rd	SR-125 to Bancroft Dr	10,000	1.00	F	10,700	0.71	D	-0.29	No
	Bancroft Dr to Camino Paz	17,000	1.70	F	17,600	0.59	C	-1.11	No
	Camino Paz to Kenwood Rd	12,000	1.20	F	12,400	0.41	B	-0.79	No
	Kenwood Rd to Conrad Dr	42,500	2.83	F	47,500	1.58	F	-1.25	No
	Conrad Dr to Granada Ave	20,300	1.35	F	20,300	0.68	D	-0.67	No
	Granada Ave to Sweetwater Spring Blvd	13,100	0.87	E	17,800	0.59	C	-0.28	No
<i>Lemon Grove</i>									
Troy St	Palm St to Sweetwater Rd	9,000	0.30	A	9,700	0.32	A	0.02	No
Sweetwater Rd	Broadway to Tyler St	18,000	1.20	F	19,200	0.64	C	-0.56	No
	Tyler St to Jamacha Rd	17,000	0.57	C	21,100	0.70	D	0.13	No
<i>National City</i>									
30th St	National City Blvd to Highland Ave	7,000	0.18	A	8,000	0.20	A	0.02	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
30th St	Highland Ave to N 2nd Ave	29,000	0.73	C	33,200	0.83	D	0.10	No
Euclid Ave	Plaza Blvd to Sweetwater Rd	8,500	0.57	C	10,100	0.25	A	-0.32	No
Plaza Blvd	National City Blvd to Highland Ave	11,300	0.75	D	16,000	0.40	B	-0.35	No
	Highland Ave to Euclid Ave	23,600	0.59	C	26,600	0.67	C	0.08	No
<i>Oceanside</i>									
Melrose Dr	SR-76 to Old Ranch Rd	9,500	0.19	A	24,700	0.49	A	0.30	No
	Old Ranch Rd to Spur Ave	2,300	0.06	A	26,800	0.54	A	0.48	No
	Spur Ave to Santa Fe Ave	N/A	N/A	N/A	30,300	0.61	B	N/A	No
	Santa Fe Ave to Sagewood Rd	11,700	0.29	A	27,100	0.45	A	0.16	No
	Sagewood Rd to Oceanside Blvd	13,300	0.33	A	27,600	0.46	A	0.13	No
North Santa Fe Ave	SR-76 to Melrose Dr	23,100	0.58	A	23,200	0.58	A	0.00	No
<i>Poway</i>									
Poway Rd	Spring Hurst Dr to Iola Way	36,900	0.74	C	42,800	0.86	D	0.12	No
	Iola Way to Oak Knoll Rd	27,300	0.68	C	40,000	1.00	F	0.32	Yes
	Oak Knoll Rd to Pomerado Rd	36,000	0.90	E	39,600	0.99	E	0.09	Yes
	Pomerado Rd to Carriage Rd	33,500	0.84	D	37,500	0.94	E	0.10	Yes
	Carriage Rd to Community Rd	36,500	0.91	E	40,000	1.00	F	0.09	Yes
	Community Rd to Midland Rd	35,400	0.79	D	38,700	0.86	D	0.07	No
	Midland Rd to Ann O Reno Ln	24,500	0.61	C	27,600	0.69	C	0.08	No
	Ann O Reno Ln to Garden Rd	12,500	0.31	A	18,000	0.45	B	0.14	No
	Garden Rd to Silver Ridge Rd	17,000	1.13	F	13,200	0.88	E	-0.25	No
	Silver Ridge Rd to Espola Rd	12,900	0.86	D	12,600	0.84	D	-0.02	No
	Espola Rd to SR-67	18,800	1.88	F	20,100	2.01	F	0.13	Yes
Scripps Poway Pkwy	Springbrook Dr to Community Rd	49,400	0.82	C	56,600	0.94	E	0.12	Yes
	Community Rd to Danielson St	19,600	0.33	A	35,400	0.59	C	0.26	No
	Danielson St to SR-67	19,200	0.48	B	36,000	0.60	C	0.12	No
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	37,700	0.94	E	40,000	0.67	C	-0.27	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Twin Peaks Rd	Ted William Pkwy to Community Rd	44,000	1.10	F	50,000	0.83	D	-0.27	No
	Community Rd to Tierra Bonita Rd	29,000	0.73	C	32,800	0.82	D	0.09	No
	Tierra Bonita Rd to Espola Rd	24,200	0.61	C	27,900	0.70	C	0.09	No
Espola Rd	Twin Peaks to Poway Rd	18,000	1.80	F	23,100	0.77	D	-1.03	No
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	31,200	0.52	B	43,000	0.72	C	0.20	No
	Pomerado Rd to Twin Peaks Rd	18,800	0.47	B	20,500	0.34	A	-0.13	No
<i>San Diego</i>									
Camino del Norte	Camino San Bernardo to I-15	35,900	0.60	C	36,200	0.60	C	0.00	No
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	23,700	0.59	C	35,800	0.90	E	0.31	Yes
	W. Bernardo Dr to I-15	47,400	1.19	F	56,100	1.40	F	0.21	Yes
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	52,900	0.88	D	61,600	1.03	F	0.15	Yes
	Spring Canyon Rd to Springbrook Dr	25,900	0.65	C	30,800	0.77	D	0.12	No
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	31,200	0.78	D	31,700	0.79	D	0.01	No
	I-15 NB Ramps to San Andres Dr	37,700	0.94	E	43,100	1.08	F	0.14	Yes
	San Andres Dr to El Camino Real	22,500	2.25	F	26,500	2.65	F	0.40	Yes
Airway Rd	Michael Faraday Dr to SR-905	6,600	0.66	C	17,500	1.75	F	1.09	Yes
Siempre Viva Rd	La Media Rd to SR-125	10,900	0.22	A	19,500	0.39	A	0.17	No
	SR-125 to Enrico Fermi Dr	19,400	0.39	A	59,300	1.19	F	0.80	Yes
<i>San Marcos</i>									
Las Posas Rd	Borden Rd to Avenida Azul	6,300	0.16	A	20,300	0.51	B	0.35	No
	Avenida Azul to Mission Rd	8,900	0.18	A	27,300	0.55	B	0.37	No
	Mission Rd to SR-78 WB Ramps	24,300	0.49	B	37,300	0.75	D	0.26	No
	SR-78 WB Ramps to Grand Ave	37,700	0.75	D	56,500	1.13	F	0.38	Yes

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Las Posas Rd	Grand Ave to Vista Dr	15,900	0.53	C	31,500	1.05	F	0.52	Yes
	Vista Dr to Stone Dr	12,100	0.40	B	25,600	0.85	E	0.45	Yes
	Stone Dr to San Marcos Blvd	9,900	0.33	A	21,400	0.71	D	0.38	No
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	16,800	1.12	F	25,000	0.83	E	-0.29	No
	Buena Creek Rd to Olive St	11,800	0.79	D	20,100	0.50	B	-0.29	No
La Cienega Rd	Twin Oak Valley Rd to Mulberry Dr	5,100	0.34	B	5,600	0.19	A	-0.15	No
Mulberry Dr	Olive St to La Cienega Rd	1,800	0.12	A	3,700	0.12	A	0.00	No
<i>Santee</i>									
Mast Blvd	Medina Dr to Halberns Blvd	21,000	0.53	C	22,000	0.55	C	0.02	No
	Halberns Blvd to Shirley Garden	22,000	0.55	C	25,300	0.63	C	0.08	No
	Shirley Garden to Magnolia Ave	21,700	0.72	D	27,400	0.91	E	0.19	Yes
	Magnolia Ave to Los Ranchitos Rd	7,300	0.73	C	20,000	0.50	B	-0.23	No
	west of Pine Grove	5,000	0.13	A	24,800	0.62	C	0.49	No
	Pine Grove to Riverford Rd	7,000	0.18	A	11,400	0.29	D	0.11	No
El Nopal	Cuyamaca St to Magnolia Ave	4,500	0.45	B	5,700	0.57	C	0.12	No
	Magnolia Ave to Aquila Dr	8,900	0.59	C	10,800	0.72	D	0.13	No
Woodside Ave	Magnolia Ave to SR-67	32,000	0.80	D	37,400	0.94	E	0.14	Yes
	SR-67 to Shadow Hill Rd	16,000	1.07	F	22,500	0.56	C	-0.51	No
	Shadow Hill Rd to Northcode Rd	7,000	0.47	C	7,300	0.49	C	0.02	No
	Northcode Rd to Security Way	5,000	0.50	B	6,000	0.15	A	-0.35	No
	Security Way to SR-67	10,000	1.00	F	16,800	0.42	B	-0.58	No
	SR-67 to Riverford Rd	21,800	2.18	F	29,700	0.74	C	-1.44	No
<i>Solana Beach</i>									
Highway 101	Ocean St to Lomas Santa Fe Dr	29,900	0.75	C	34,600	0.87	D	0.12	No
	Lomas Santa Fe Dr to Via De la Valle	19,900	0.50	B	24,000	0.60	C	0.10	No

TABLE 5.3 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	11,900	0.30	A	16,700	0.42	B	0.12	No
	Stevens Ave to Solana Hills Dr	17,800	0.45	B	21,600	0.54	C	0.09	No
	Solana Hills Dr to I-5 SB Ramps	31,700	0.79	D	37,000	0.93	E	0.14	Yes
	I-5 SB Ramps to Via Mil Cumbres	28,300	0.71	C	33,400	0.84	D	0.13	No
	Via Mil Cumbres to Highland Dr	8,900	0.22	A	13,200	0.33	A	0.11	No
Steven Ave	Lomas Santa Fe Dr to Academy Dr	13,000	0.43	B	19,100	0.64	C	0.21	No
	Academy Dr to La Colonia Park	11,900	1.19	F	13,000	0.43	B	-0.76	No
	La Colonia Park to Nardo Ave	11,900	0.40	B	13,000	0.43	B	0.03	No
	Nardo Ave to Valley Ave	11,000	0.37	B	15,900	0.53	C	0.16	No
Valley Ave	Stevens Ave to Via De la Valle	13,000	0.87	F	21,000	0.70	D	-0.17	No
Highland Dr	El Camino Real to San Andres Dr	5,000	0.50	B	6,100	0.61	C	0.11	No
<i>Vista</i>									
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	48,900	0.82	D	54,600	0.91	E	0.09	Yes
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	8,700	0.99	E	11,900	0.30	A	-0.69	No
	Cypress Ave to Foothill Dr	4,800	0.55	A	7,500	0.19	A	-0.36	No

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 Δ in V/C = The change in the volume to capacity ratio between the two scenarios.
 N/A = This segment does not currently exist.

Table 5.4 summarizes the results of Table 5.3 by identifying the projected number of key roadway segments within the adjacent incorporated jurisdictions that would be significantly impacted as a result of the buildout of the proposed County of San Diego General Plan (Referral Map).

TABLE 5.4
SUMMARY OF SIGNIFICANTLY IMPACTED SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Jurisdiction	Total Number Analyzed	Number of Significantly Impacted Segments
Carlsbad	9	0
Chula Vista	13	5
Del Mar	1	0
El Cajon	31	3
Encinitas	7	1
Escondido	35	4
La Mesa	14	1
Lemon Grove	3	0
National City	5	0
Oceanside	6 (5 under Existing)	0
Poway	21	6
San Diego	11	7
San Marcos	11	3
Santee	14	2
Solana Beach	13	1
Vista	3	1
Total	197 (196 under Existing)	34

Source: Wilson & Company; January 2009

As shown, a total of 34 roadway segments in the adjacent incorporated jurisdictions would be significantly impacted when comparing the buildout of the proposed County of San Diego General Plan (Referral Map) to Existing conditions.

5.3 Comparison of Proposed County of San Diego General Plan to Existing County of San Diego General Plan

Table 5.5 compares projected roadway performance on the key roadway segments within the adjacent incorporated jurisdictions under the proposed County of San Diego General Plan (Referral Map) to the roadway performance under the Existing County of San Diego General Plan, and displays the resulting significant impacts.

**TABLE 5.5
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)**

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>Carlsbad</i>									
Cannon Rd	I-5 NB Ramps to Paseo Del Norte	27,300	0.68	C	27,000	0.68	C	0.00	No
	Paseo Del Norte to Car Country Dr	14,400	0.36	A	14,400	0.36	A	0.00	No
	Car Country Dr to Faraday Ave	28,100	0.70	C	28,500	0.71	C	0.01	No
	Faraday Ave to El Camino Real	22,200	0.56	C	22,700	0.57	C	0.01	No
	El Camino Real to College Blvd	17,800	0.45	B	19,300	0.48	B	0.03	No
	Leisure Village Dr to Shadowridge Dr	22,800	0.57	C	24,000	0.60	C	0.03	No
	Shadowridge Dr to Lake Blvd	19,900	0.50	B	21,600	0.54	C	0.04	No
	Lake Blvd to Melrose Dr	23,900	0.60	C	26,300	0.66	C	0.06	No
	Melrose Dr to Mar Vista Dr	7,900	0.20	A	12,500	0.31	A	0.11	No
<i>Chula Vista</i>									
Heritage Rd	Main Street to Chula Vista City Limit	23,700	0.38	A	21,000	0.34	A	-0.04	No
La Media Rd	Telegraph Canyon Rd to Palomar St	26,700	0.43	A	28,100	0.45	A	0.02	No
	Palomar St to Olympic Pkwy	12,500	0.20	A	14,600	0.23	A	0.03	No
	Olympic Pkwy to Santa Venetia St	18,100	0.29	A	19,500	0.31	A	0.02	No
	Santa Venetia St to Birch Rd	22,200	0.36	A	24,700	0.40	A	0.04	No
Proctor Valley Rd	Northwoods Dr to Chula Vista City Limit	8,400	0.22	A	7,700	0.21	A	-0.01	No
Otay Lakes Rd	Wueste Rd to Chula Vista City Limit	27,200	0.44	A	27,500	0.44	A	0.00	No
Willow St	Sweetwater Rd to Bonita Rd	17,800	0.47	A	18,500	0.49	A	0.02	No
	Bonita Glen Dr to I-805 SB Ramps	37,700	1.01	F	37,800	1.01	F	0.00	No
Bonita Rd	I-805 SB Ramps to I-805 NB Ramps	55,300	1.47	F	55,500	1.48	F	0.01	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Bonita Rd	I-805 NB Ramps to Plaza Bonita Rd	43,200	1.15	F	43,500	1.16	F	0.01	No
	Plaza Bonita Rd to Willow St	34,100	0.91	E	33,900	0.90	E	-0.01	No
	Willow St to Chula Vista City Limit	34,100	0.91	E	39,000	1.04	F	0.13	Yes
<i>Del Mar</i>									
Via de la Valle	Highway 101 to Jimmy Durante Blvd	25,300	0.63	C	25,700	0.64	C	0.01	No
<i>El Cajon</i>									
Jamacha Rd	Main St to Granite Hill Dr	38,000	0.95	E	37,000	0.93	E	-0.02	No
	Granite Hill Dr to Grove Rd	30,000	0.75	D	28,500	0.71	C	-0.04	No
Washington Ave	El Cajon Blvd to 1 st St	25,800	0.65	C	25,200	0.63	C	-0.02	No
	1 st St to Jamacha Rd	23,000	0.58	C	22,500	0.56	C	-0.02	No
	Jamacha Rd to 3 rd St	19,900	0.50	B	16,600	0.42	B	-0.08	No
	3 rd St to Wichita Ave	19,800	0.50	B	18,100	0.45	B	-0.05	No
	Wichita Ave to Granite Hill Dr	15,600	0.39	B	13,700	0.34	A	-0.05	No
Main St	Magnolia Ave to Ballantyne St	14,800	0.37	A	14,900	0.37	A	0.00	No
	Ballantyne St to Mollison Ave	18,300	0.46	B	18,000	0.45	B	-0.01	No
	Mollison Ave to 1 st St	23,500	0.59	C	23,800	0.60	C	0.01	No
	1 st St to Orlando St	17,600	0.44	B	17,900	0.45	B	0.01	No
	Orlando St to Madison Ave	22,800	0.57	C	23,400	0.59	C	0.02	No
	Madison Ave to I-8 EB Ramps	13,300	0.33	A	12,500	0.31	A	-0.02	No
Avocado Blvd	Main St to Washington Ave	17,900	0.45	B	17,500	0.44	B	-0.01	No
	Washington Ave to Chase Ave	18,600	0.47	B	18,100	0.45	B	-0.02	No
Bradley Ave	Cuyamaca St to Marshall Ave	11,600	0.29	A	10,900	0.27	A	-0.02	No
	Marshall Ave to Johnson Ave	22,200	0.56	C	21,200	0.53	C	-0.03	No
	Johnson Ave to Magnolia Ave	18,000	0.45	B	16,700	0.42	B	-0.03	No
	Magnolia Ave to Graves Ave	25,100	0.63	C	26,400	0.66	C	0.03	No
	Graves Ave to 1 st St	30,100	0.75	D	29,900	0.75	C	0.00	No
2 nd St	Pepper Dr to Persimmon Ave	26,400	0.66	C	25,900	0.65	C	-0.01	No
	Persimmon Ave to Broadway	39,000	0.98	E	36,100	0.90	E	-0.08	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
2 nd St	Broadway to I-8 WB Ramps	34,700	0.87	D	38,900	0.97	E	0.10	Yes
	I-8 WB Ramps to Main St	41,400	0.83	D	42,900	0.86	D	0.03	No
Chase Ave	El Cajon Blvd to Mollison Ave	26,800	0.67	C	25,600	0.64	C	-0.03	No
	Mollison Ave to Rancho Valle Ct	21,000	0.53	C	19,600	0.49	B	-0.04	No
Greenfield Dr	I-8 EB Ramps to Bermuda Ln	27,500	0.92	E	26,000	0.87	E	-0.05	No
	Bermuda Ln to La Cresta Rd	25,000	0.83	E	24,800	0.83	D	0.00	No
	La Cresta Rd to Madison Ave	10,500	0.35	B	10,600	0.35	B	0.00	No
	Madison Ave to Vista Del Escuela	2,800	0.09	A	2,800	0.09	A	0.00	No
	Vista Del Escuela to Orchard Ave	500	0.02	A	500	0.02	A	0.00	No
<i>Encinitas</i>									
El Camino Real	Encinitas Blvd to Santa Fe Dr	38,000	0.67	A-C	37,600	0.66	A-C	-0.01	No
	Santa Fe Dr to Manchester Ave	27,700	0.49	A-C	27,200	0.48	A-C	-0.01	No
El Camino Del Norte	Rancho Santa Fe Rd to Eastern City Limit	10,000	0.50	A-C	10,100	0.51	A-C	0.01	No
Encinitas Blvd	El Camino Real to Manchester Ave	36,700	1.04	F	36,900	1.05	F	0.01	No
Manchester Ave	I-5 NB Ramps to El Camino Real	33,800	0.59	A-C	33,000	0.58	A-C	-0.01	No
	El Camino Real to Encinitas Blvd	11,800	0.59	A-C	11,900	0.60	A-C	0.01	No
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	23,000	1.15	F	24,500	1.23	F	0.08	Yes
<i>Escondido</i>									
Centre City Pkwy	Country Club Ln to El Norte Pkwy	24,100	0.65	B	23,100	0.62	B	-0.03	No
	El Norte Pkwy to SR-78 WB Ramps	30,700	0.83	Mid D	28,600	0.77	C	-0.06	No
	SR-78 WB Ramps to Mission Ave	46,700	0.93	E	43,500	0.87	E	-0.06	No
	Mission Ave to Washington Ave	27,800	0.56	C	26,500	0.53	C	-0.03	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Centre City Pkwy	Washington Ave to 5 th Ave	25,200	0.68	C	23,800	0.64	B	-0.04	No
	5 th Ave to 13 th Ave	26,300	0.71	C	25,500	0.69	C	-0.02	No
	13 th Ave to Felicita Ave	27,300	0.74	C	26,400	0.71	C	-0.03	No
	Felicita Ave to Centre City Rd	31,000	0.84	Mid D	31,100	0.84	Mid D	0.00	No
	Centre City Rd to Brotherton Rd	43,100	1.16	F	43,400	1.17	F	0.01	No
	Brotherton Rd to Citracado Pkwy	34,000	0.92	E	34,200	0.92	E	0.00	No
Felicita Ave/17 th Ave	San Pasqual Valley Rd to Juniper St	15,700	0.46	B	23,600	0.69	C	0.23	No
	Juniper St to Escondido Blvd	31,000	0.91	E	33,500	0.98	E	0.07	Yes
	Escondido Blvd to Centre City Pkwy	29,900	0.87	D-	29,700	0.87	D-	0.00	No
	Centre City Pkwy to Quince St	26,300	0.77	C	25,800	0.75	C	-0.02	No
	Quince St to Citracado Pkwy	18,300	0.54	B	17,700	0.52	B	-0.02	No
Via Rancho Pkwy	Felicita Ave to Quiet Hills Dr	22,200	0.60	B	23,100	0.62	B	0.02	No
	Quiet Hills Dr to I-15 SB Ramps	26,000	0.52	C	27,500	0.55	C	0.03	No
	I-15 SB Ramps to I-15 NB Ramps	41,000	0.68	C	43,000	0.72	Mid D	0.04	No
	I-15 NB Ramps to San Pasqual Rd	42,300	0.71	Mid D	42,100	0.70	Mid D	-0.01	No
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	29,100	0.79	C	35,300	0.95	E	0.16	Yes
	Mary Ln to Las Palmas Ave	25,600	0.69	C	30,400	0.82	Mid D	0.13	No
	Las Palmas Ave to Sunset Dr	26,300	0.71	C	30,800	0.83	Mid D	0.12	No
	Sunset Dr to El Dorado Dr	25,200	0.68	C	28,600	0.77	C	0.09	No
	El Dorado Dr to San Pasqual Valley Rd	33,200	0.90	D-	36,000	0.97	E	0.07	Yes
	San Pasqual Valley Rd to Boyle Ave	24,400	0.66	B	28,100	0.76	C	0.10	No
	Boyle Ave to Hayden Dr	19,100	0.52	B	23,800	0.64	B	0.12	No
	Hayden Dr to Valley Pkwy	17,700	0.48	B	24,000	0.65	B	0.17	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Valley Pkwy	Bear Valley Pkwy to Wanek Rd	30,100	0.50	C	33,700	0.56	C	0.06	No
	Wanek Rd to Washington Ave	25,800	0.43	B	29,200	0.49	B	0.06	No
	Washington Ave to Lake Wohlford Rd	48,000	0.69	C	53,400	0.76	Mid D	0.07	No
San Pasqual Valley Rd	Washington Ave to Birch Ave	22,100	0.60	B	24,100	0.65	B	0.05	No
San Pasqual Rd	Bear Valley Pkwy to Ryan Dr	17,600	0.48	B	12,300	0.33	A	-0.15	No
Broadway	North Ave to Country Club Ln	21,700	0.63	B	15,400	0.45	B	-0.18	No
	Country Club Ln to Bahia Ln	14,200	0.42	B	16,000	0.47	B	0.05	No
	Bahia Ln to El Norte Pkwy	22,600	0.66	B	20,100	0.59	B	-0.07	No
<i>La Mesa</i>									
Bancroft Dr	Grossmont Blvd to Campo Rd	8,000	0.80	D	8,000	0.80	D	0.00	No
	Campo Rd to SR-94 WB Ramps	12,300	0.41	B	12,700	0.42	B	0.01	No
Lemon Ave	La Mesa Blvd to Jackson Dr	2,300	0.23	A	2,100	0.21	A	-0.02	No
	Jackson Dr to Marguerita Ln	15,300	0.51	C	14,000	0.47	C	-0.04	No
	Marguerita Ln to Alto Dr	10,900	0.36	B	9,500	0.32	A	-0.04	No
	Alto Dr to Lake Helix Dr	6,800	0.23	A	5,800	0.19	A	-0.04	No
	Lake Helix Dr to Fuerte Dr	3,600	0.12	A	2,700	0.09	A	-0.03	No
Fuerte Dr	Grossmont Dr to Avocado Blvd	15,800	1.58	F	18,500	1.85	F	0.27	Yes
Campo Rd	SR-125 to Bancroft Dr	10,100	0.67	D	10,700	0.71	D	0.04	No
	Bancroft Dr to Camino Paz	17,200	0.57	C	17,600	0.59	C	0.02	No
	Camino Paz to Kenwood Rd	12,300	0.41	B	12,400	0.41	B	0.00	No
	Kenwood Rd to Conrad Dr	47,900	1.60	F	47,500	1.58	F	-0.02	No
	Conrad Dr to Granada Ave	22,300	0.74	D	20,300	0.68	D	-0.06	No
	Granada Ave to Sweetwater Spring Blvd	18,800	0.63	C	17,800	0.59	C	-0.04	No
<i>Lemon Grove</i>									
Troy St	Palm St to Sweetwater Rd	10,300	0.34	B	9,700	0.32	A	-0.02	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Sweetwater Rd	Broadway to Tyler St	18,000	0.60	C	19,200	0.64	C	0.04	No
	Tyler St to Jamacha Rd	18,300	0.61	C	21,100	0.70	D	0.09	No
<i>National City</i>									
30th St	National City Blvd to Highland Ave	8,100	0.20	A	8,000	0.20	A	0.00	No
	Highland Ave to N 2nd Ave	32,500	0.81	D	33,200	0.83	D	0.02	No
Euclid Ave	Plaza Blvd to Sweetwater Rd	10,100	0.25	A	10,100	0.25	A	0.00	No
Plaza Blvd	National City Blvd to Highland Ave	15,500	0.39	B	16,000	0.40	B	0.01	No
	Highland Ave to Euclid Ave	26,800	0.67	C	26,600	0.67	C	0.00	No
<i>Oceanside</i>									
Melrose Dr	SR-76 to Old Ranch Rd	32,000	0.64	B	24,700	0.49	A	-0.15	No
	Old Ranch Rd to Spur Ave	33,800	0.68	B	26,800	0.54	A	-0.14	No
	Spur Ave to Santa Fe Ave	36,400	0.73	C	30,300	0.61	B	-0.12	No
	Santa Fe Ave to Sagewood Rd	35,600	0.59	A	27,100	0.45	A	-0.14	No
	Sagewood Rd to Oceanside Blvd	34,800	0.58	A	27,600	0.46	A	-0.12	No
North Santa Fe Ave	SR-76 to Melrose Dr	23,800	0.60	A	23,200	0.58	A	-0.02	No
<i>Poway</i>									
Poway Rd	Spring Hurst Dr to Iola Way	43,300	0.87	D	42,800	0.86	D	-0.01	No
	Iola Way to Oak Knoll Rd	40,300	1.01	F	40,000	1.00	F	-0.01	No
	Oak Knoll Rd to Pomerado Rd	39,900	1.00	E	39,600	0.99	E	-0.01	No
	Pomerado Rd to Carriage Rd	37,800	0.95	E	37,500	0.94	E	-0.01	No
	Carriage Rd to Community Rd	40,300	1.01	F	40,000	1.00	F	-0.01	No
	Community Rd to Midland Rd	39,000	0.87	D	38,700	0.86	D	-0.01	No
	Midland Rd to Ann O Reno Ln	28,200	0.71	C	27,600	0.69	C	-0.02	No
	Ann O Reno Ln to Garden Rd	18,600	0.47	B	18,000	0.45	B	-0.02	No
	Garden Rd to Silver Ridge Rd	14,000	0.93	E	13,200	0.88	E	-0.05	No
	Silver Ridge Rd to Espola Rd	13,700	0.91	E	12,600	0.84	D	-0.07	No
	Espola Rd to SR-67	21,200	2.12	F	20,100	2.01	F	-0.11	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Scripps Poway Pkwy	Springbrook Dr to Community Rd	58,000	0.97	E	56,600	0.94	E	-0.03	No
	Community Rd to Danielson St	36,000	0.60	C	35,400	0.59	C	-0.01	No
	Danielson St to SR-67	36,500	0.61	C	36,000	0.60	C	-0.01	No
Twin Peaks Rd	Pomerado Rd to Ted William Pkwy	41,500	0.69	C	40,000	0.67	C	-0.02	No
	Ted William Pkwy to Community Rd	51,500	0.86	D	50,000	0.83	D	-0.03	No
	Community Rd to Tierra Bonita Rd	34,300	0.86	D	32,800	0.82	D	-0.04	No
	Tierra Bonita Rd to Espola Rd	29,400	0.74	C	27,900	0.70	C	-0.04	No
Espola Rd	Twin Peaks to Poway Rd	24,600	0.82	D	23,100	0.77	D	-0.05	No
Ted Williams Pkwy	Highland Ranch Rd to Pomerado Rd	42,500	0.71	C	43,000	0.72	C	0.01	No
	Pomerado Rd to Twin Peaks Rd	20,100	0.34	A	20,500	0.34	A	0.00	No
<i>San Diego</i>									
Camino del Norte	Camino San Bernardo to I-15	54,000	0.90	D	36,200	0.60	C	-0.30	No
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	36,700	0.92	E	35,800	0.90	E	-0.02	No
	W. Bernardo Dr to I-15	56,900	1.42	F	56,100	1.40	F	-0.02	No
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	61,300	1.02	F	61,600	1.03	F	0.01	No
	Spring Canyon Rd to Springbrook Dr	29,600	0.74	C	30,800	0.77	D	0.03	No
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	37,900	0.95	E	31,700	0.79	D	-0.16	No
	I-15 NB Ramps to San Andres Dr	40,200	1.01	F	43,100	1.08	F	0.07	Yes
	San Andres Dr to El Camino Real	27,100	2.71	F	26,500	2.65	F	-0.06	No
Airway Rd	Michael Faraday Dr to SR-905	16,100	1.61	F	17,500	1.75	F	0.14	Yes
Siempre Viva Rd	La Media Rd to SR-125	18,000	0.36	A	19,500	0.39	A	0.03	No
	SR-125 to Enrico Fermi Dr	50,700	1.01	F	59,300	1.19	F	0.18	Yes

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
<i>San Marcos</i>									
Las Posas Rd	Borden Rd to Avenida Azul	21,400	0.54	C	20,300	0.51	B	-0.03	No
	Avenida Azul to Mission Rd	28,100	0.56	C	27,300	0.55	B	-0.01	No
	Mission Rd to SR-78 WB Ramps	35,400	0.71	D	37,300	0.75	D	0.04	No
	SR-78 WB Ramps to Grand Ave	55,500	1.11	F	56,500	1.13	F	0.02	Yes
	Grand Ave to Vista Dr	31,000	1.03	F	31,500	1.05	F	0.02	Yes
	Vista Dr to Stone Dr	25,100	0.84	E	25,600	0.85	E	0.01	No
	Stone Dr to San Marcos Blvd	21,100	0.70	D	21,400	0.71	D	0.01	No
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	22,000	0.73	D	25,000	0.83	E	0.10	Yes
	Buena Creek Rd to Olive St	20,900	0.52	B	20,100	0.50	B	-0.02	No
La Cieniega Rd	Twin Oak Valley Rd to Mulberry Dr	6,300	0.21	A	5,600	0.19	A	-0.02	No
Mulberry Dr	Olive St to La Cieniega Rd	6,200	0.21	A	3,700	0.12	A	-0.09	No
<i>Santee</i>									
Mast Blvd	Medina Dr to Halberns Blvd	22,400	0.56	C	22,000	0.55	C	-0.01	No
	Halberns Blvd to Shirley Garden	23,200	0.58	C	25,300	0.63	C	0.05	No
	Shirley Garden to Magnolia Ave	25,900	0.86	E	27,400	0.91	E	0.05	Yes
	Magnolia Ave to Los Ranchitos Rd	18,800	0.47	B	20,000	0.50	B	0.03	No
	west of Pine Grove	24,500	0.61	C	24,800	0.62	C	0.01	No
	Pine Grove to Riverford Rd	11,300	0.28	A	11,400	0.29	D	0.01	No
El Nopal	Cuyamaca St to Magnolia Ave	5,500	0.55	C	5,700	0.57	C	0.02	No
	Magnolia Ave to Aquila Dr	10,400	0.69	D	10,800	0.72	D	0.03	No
Woodside Ave	Magnolia Ave to SR-67	37,700	0.94	E	37,400	0.94	E	0.00	No
	SR-67 to Shadow Hill Rd	23,600	0.59	C	22,500	0.56	C	-0.03	No
	Shadow Hill Rd to Northcode Rd	8,400	0.56	C	7,300	0.49	C	-0.07	No
	Northcode Rd to Security Way	7,000	0.18	A	6,000	0.15	A	-0.03	No

TABLE 5.5 (Continued)
SIGNIFICANT TRAFFIC IMPACTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C	Significant Impact?
		ADT	V/C	LOS	ADT	V/C	LOS		
Woodside Ave	Security Way to SR-67	18,600	0.47	B	16,800	0.42	B	-0.05	No
	SR-67 to Riverford Rd	31,400	0.79	D	29,700	0.74	C	-0.05	No
<i>Solana Beach</i>									
Highway 101	Ocean St to Lomas Santa Fe Dr	34,100	0.85	D	34,600	0.87	D	0.02	No
	Lomas Santa Fe Dr to Via De la Valle	25,500	0.64	C	24,000	0.60	C	-0.04	No
Lomas Santa Fe Dr	Highway 101 to Stevens Ave	16,500	0.41	B	16,700	0.42	B	0.01	No
	Stevens Ave to Solana Hills Dr	22,100	0.55	C	21,600	0.54	C	-0.01	No
	Solana Hills Dr to I-5 SB Ramps	37,600	0.94	E	37,000	0.93	E	-0.01	No
	I-5 SB Ramps to Via Mil Cumbres	36,100	0.90	E	33,400	0.84	D	-0.06	No
	Via Mil Cumbres to Highland Dr	16,100	0.40	B	13,200	0.33	A	-0.07	No
Steven Ave	Lomas Santa Fe Dr to Academy Dr	19,300	0.64	C	19,100	0.64	C	0.00	No
	Academy Dr to La Colonia Park	13,200	0.44	B	13,000	0.43	B	-0.01	No
	La Colonia Park to Nardo Ave	13,200	0.44	B	13,000	0.43	B	-0.01	No
	Nardo Ave to Valley Ave	16,100	0.54	C	15,900	0.53	C	-0.01	No
Valley Ave	Stevens Ave to Via De la Valle	21,300	0.71	D	21,000	0.70	D	-0.01	No
Highland Dr	El Camino Real to San Andres Dr	5,500	0.55	C	6,100	0.61	C	0.06	No
<i>Vista</i>									
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	57,300	0.96	E	54,600	0.91	E	-0.05	No
Monte Vista Dr	South Santa Fe Ave to Cypress Ave	15,600	0.39	A	11,900	0.30	A	-0.09	No
	Cypress Ave to Foothill Dr	11,100	0.28	A	7,500	0.19	A	-0.09	No

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 Δ in V/C = The change in the volume to capacity ratio between the two scenarios.

Table 5.6 summarizes the results of Table 5.5 by identifying the projected number of key roadway segments within the adjacent incorporated jurisdictions that would be significantly impacted based upon the comparison of the future year buildout of the proposed County of San Diego General Plan (Referral Map) to the Existing General Plan.

TABLE 5.6
SUMMARY OF SIGNIFICANTLY IMPACTED SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING
COUNTY OF SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Jurisdiction	Total Number Analyzed	Number of Significantly Impacted Segments
Carlsbad	9	0
Chula Vista	13	1
Del Mar	1	0
El Cajon	31	1
Encinitas	7	1
Escondido	35	3
La Mesa	14	1
Lemon Grove	3	0
National City	5	0
Oceanside	6	0
Poway	21	0
San Diego	11	3
San Marcos	11	3
Santee	14	1
Solana Beach	13	0
Vista	3	0
Total	197	14

Source: Wilson & Company; January 2009

As shown, a total of 14 roadway segments within the adjacent incorporated jurisdictions would be significantly impacted based upon the comparison of the County’s proposed General Plan (Referral Map) to the Existing General Plan.

It can be further noted that under the proposed County General Plan (Referral Map), roadway segment performance (as measured by V/C) would remain the same or improve along 121 out of the 197 analyzed roadway segments within the adjacent incorporated jurisdictions, when compared with the Existing General Plan.

5.4 Mitigation of Significant Impacts

Mitigation of the identified significant traffic impacts could include a variety of options from roadway segment widenings to specific intersection improvements. Requirements could vary by jurisdiction, including further review of intersection operations as a determination of overall roadway segment performance. The feasibility of modifying the roadway classifications as shown in the circulation elements of the individual incorporated jurisdictions would be a consideration as well.

6.0 Summary of Findings

This section summarizes the performance of the key roadway segments within the adjacent incorporated jurisdictions under Existing Conditions, the Existing County of San Diego General Plan, and the proposed County of San Diego General Plan (Referral Map).

6.1 Roadway Segment Performance

Table 6.1 summarizes the projected number of key roadway segments within the adjacent incorporated jurisdictions (out of a total of 197 analyzed) operating at substandard LOS E or F (Chula Vista includes LOS D & Escondido includes LOS D-) under the three analyzed scenarios.

**TABLE 6.1
SUMMARY OF ROADWAY SEGMENTS OPERATING AT SUBSTANDARD LOS**

Jurisdiction	Existing Conditions	Existing General Plan	General Plan Update
Carlsbad	0	0	0
Chula Vista	6	5	5
Del Mar	0	0	0
El Cajon	7	4	4
Encinitas	2	2	2
Escondido	14	6	7
La Mesa	9	2	2
Lemon Grove	1	0	0
National City	0	0	0
Oceanside	0	0	0
Poway	7	8	7
San Diego	3	8	7
San Marcos	1	3	4
Santee	3	2	2
Solana Beach	2	2	1
Vista	1	1	1
Total	56	43	42

Source: Wilson & Company; January 2009

6.2 Significant Traffic Impacts

Tables 6.2 through 6.4 provide a summary list of the identified significantly impacted roadway segments based upon “Plan to Ground” and “Plan to Plan” comparisons. Significant impacts are identified based upon a comparison of roadway segment V/C under the various scenarios.

TABLE 6.2
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
<i>Carlsbad</i>								
<i>No Significant Impacts</i>								
<i>Chula Vista</i>								
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	34,300	0.91	E	37,700	1.01	F	0.10
	I-805 SB Ramps to I-805 NB Ramps	54,000	1.44	F	55,300	1.47	F	0.03
	I-805 NB Ramps to Plaza Bonita Rd	42,400	1.13	F	43,200	1.15	F	0.02
	Plaza Bonita Rd to Willow St	30,300	0.81	D	34,100	0.91	E	0.10
	Willow St to Chula Vista City Limit	32,500	0.87	D	34,100	0.91	E	0.04
<i>Del Mar</i>								
<i>No Significant Impacts</i>								
<i>El Cajon</i>								
Jamacha Rd	Main St to Granite Hill Dr	35,000	0.88	E	38,000	0.95	E	0.07
2nd St	Persimmon Ave to Broadway	32,000	0.80	D	39,000	0.98	E	0.18
<i>Encinitas</i>								
<i>No Significant Impacts</i>								
<i>Escondido</i>								
Centre City Pkwy	Centre City Rd to Brotherton Rd	39,400	1.06	F	43,100	1.16	F	0.10
	Brotherton Rd to Citracado Pkwy	32,600	0.88	D-	34,000	0.92	E	0.04
Felicita Ave/17 th Ave	Escondido Blvd to Centre City Pkwy	27,000	0.79	C	29,900	0.87	D-	0.08
<i>La Mesa</i>								
<i>No Significant Impacts</i>								
<i>Lemon Grove</i>								
<i>No Significant Impacts</i>								
<i>National City</i>								
<i>No Significant Impacts</i>								
<i>Oceanside</i>								
<i>No Significant Impacts</i>								
<i>Poway</i>								
Poway Rd	Iola Way to Oak Knoll Rd	27,300	0.68	C	40,300	1.01	F	0.33
	Oak Knoll Rd to Pomerado Rd	36,000	0.90	E	39,900	1.00	E	0.10

TABLE 6.2 (Continued)
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
EXISTING COUNTY OF SAN DIEGO GENERAL PLAN VS. EXISTING CONDITIONS
(Existing Plan to Ground)

Roadway	Segment	Existing			Existing GP			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
Poway Rd	Pomerado Rd to Carriage Rd	33,500	0.84	D	37,800	0.95	E	0.11
	Carriage Rd to Community Rd	36,500	0.91	E	40,300	1.01	F	0.10
	Silver Ridge Rd to Espola Rd	12,900	0.86	D	13,700	0.91	E	0.05
	Espola Rd to SR-67	18,800	1.88	F	21,200	2.12	F	0.24
Scripps Poway Pkwy	Springbrook Dr to Community Rd	49,400	0.82	C	58,000	0.97	E	0.15
<i>San Diego</i>								
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	23,700	0.59	C	36,700	0.92	E	0.33
	W. Bernardo Dr to I-15	47,400	1.19	F	56,900	1.42	F	0.23
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	52,900	0.88	D	61,300	1.02	F	0.14
Via de la Valle	Jimmy Durante Blvd to I-15 NB Ramps	31,200	0.78	D	37,900	0.95	E	0.17
	I-15 NB Ramps to San Andres Dr	37,700	0.94	E	40,200	1.01	F	0.07
	San Andres Dr to El Camino Real	22,500	2.25	F	27,100	2.71	F	0.46
Airway Rd	Michael Faraday Dr to SR-905	6,600	0.66	C	16,100	1.61	F	0.95
Siempre Viva Rd	SR-125 to Enrico Fermi Dr	19,400	0.39	A	50,700	1.01	F	0.62
<i>San Marcos</i>								
Las Posas Rd	SR-78 WB Ramps to Grand Ave	37,700	0.75	D	55,500	1.11	F	0.36
	Grand Ave to Vista Dr	15,900	0.53	C	31,000	1.03	F	0.50
	Vista Dr to Stone Dr	12,100	0.40	B	25,100	0.84	E	0.44
<i>Santee</i>								
Mast Blvd	Shirley Garden to Magnolia Ave	21,700	0.72	D	25,900	0.86	E	0.14
Woodside Ave	Magnolia Ave to SR-67	32,000	0.80	D	37,700	0.94	E	0.14
<i>Solana Beach</i>								
Lomas Santa Fe Dr	Solana Hills Dr to I-5 SB Ramps	31,700	0.79	D	37,600	0.94	E	0.15
	I-5 SB Ramps to Via Mil Cumbres	28,300	0.71	C	36,100	0.90	E	0.19
<i>Vista</i>								
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	48,900	0.82	D	57,300	0.96	E	0.14

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 Δ in V/C = the change in the volume to capacity ratio between the two scenarios.

TABLE 6.3
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING CONDITIONS
(Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
<i>Carlsbad</i>								
<i>No Significant Impacts</i>								
<i>Chula Vista</i>								
Bonita Rd	Bonita Glen Dr to I-805 SB Ramps	34,300	0.91	E	37,800	1.01	F	0.10
	I-805 SB Ramps to I-805 NB Ramps	54,000	1.44	F	55,500	1.48	F	0.04
	I-805 NB Ramps to Plaza Bonita Rd	42,400	1.13	F	43,500	1.16	F	0.03
	Plaza Bonita Rd to Willow St	30,300	0.81	D	33,900	0.90	E	0.09
	Willow St to Chula Vista City Limit	32,500	0.87	D	39,000	1.04	F	0.17
<i>Del Mar</i>								
<i>No Significant Impacts</i>								
<i>El Cajon</i>								
Jamacha Rd	Main St to Granite Hill Dr	35,000	0.88	E	37,000	0.93	E	0.05
2nd St	Persimmon Ave to Broadway	32,000	0.80	D	36,100	0.90	E	0.10
	Broadway to I-8 WB Ramps	33,500	0.84	D	38,900	0.97	E	0.13
<i>Encinitas</i>								
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	22,700	1.15	F	24,500	1.23	F	0.08
<i>Escondido</i>								
Centre City Pkwy	Centre City Rd to Brotherton Rd	39,400	1.06	F	43,400	1.17	F	0.11
	Brotherton Rd to Citracado Pkwy	32,600	0.88	D-	34,200	0.92	E	0.04
Felicita Ave/17th Ave	Escondido Blvd to Centre City Pkwy	27,000	0.79	C	29,700	0.87	D-	0.08
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	27,900	0.75	C	35,300	0.95	E	0.20
<i>La Mesa</i>								
Fuerte Dr	Grossmont Dr to Avocado Blvd	15,700	1.57	F	18,500	1.85	F	0.28
<i>Lemon Grove</i>								
<i>No Significant Impacts</i>								
<i>National City</i>								
<i>No Significant Impacts</i>								
<i>Oceanside</i>								
<i>No Significant Impacts</i>								

TABLE 6.3 (Continued)
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING
CONDITIONS (Proposed Plan to Ground)

Roadway	Segment	Existing			GP Update			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
<i>Poway</i>								
Poway Rd	Iola Way to Oak Knoll Rd	27,300	0.68	C	40,000	1.00	F	0.32
	Oak Knoll Rd to Pomerado Rd	36,000	0.90	E	39,600	0.99	E	0.09
	Pomerado Rd to Carriage Rd	33,500	0.84	D	37,500	0.94	E	0.10
	Carriage Rd to Community Rd	36,500	0.91	E	40,000	1.00	F	0.09
	Espola Rd to SR-67	18,800	1.88	F	20,100	2.01	F	0.13
Scripps Poway Pkwy	Springbrook Dr to Community Rd	49,400	0.82	C	56,600	0.94	E	0.12
<i>San Diego</i>								
Rancho Bernardo Rd	Via Del Campo to W. Bernardo Dr	23,700	0.59	C	35,800	0.90	E	0.31
	W. Bernardo Dr to I-15	47,400	1.19	F	56,100	1.40	F	0.21
Scripps Poway Pkwy	I-15 to Spring Canyon Rd	52,900	0.88	D	61,600	1.03	F	0.15
Via de la Valle	I-15 NB Ramps to San Andres Dr	37,700	0.94	E	43,100	1.08	F	0.14
	San Andres Dr to El Camino Real	22,500	2.25	F	26,500	2.65	F	0.40
Airway Rd	Michael Faraday Dr to SR-905	6,600	0.66	C	17,500	1.75	F	1.09
Siempre Viva Rd	SR-125 to Enrico Fermi Dr	19,400	0.39	A	59,300	1.19	F	0.80
<i>San Marcos</i>								
Las Posas Rd	SR-78 WB Ramps to Grand Ave	37,700	0.75	D	56,500	1.13	F	0.38
	Grand Ave to Vista Dr	15,900	0.53	C	31,500	1.05	F	0.52
	Vista Dr to Stone Dr	12,100	0.40	B	25,600	0.85	E	0.45
<i>Santee</i>								
Mast Blvd	Shirley Garden to Magnolia Ave	21,700	0.72	D	27,400	0.91	E	0.19
Woodside Ave	Magnolia Ave to SR-67	32,000	0.80	D	37,400	0.94	E	0.14
<i>Solana Beach</i>								
Lomas Santa Fe Dr	Solana Hills Dr to I-5 SB Ramps	31,700	0.79	D	37,000	0.93	E	0.14
<i>Vista</i>								
Sycamore Ave	SR-78 EB Ramps to Hibiscus Way	48,900	0.82	D	54,600	0.91	E	0.09

Source: Wilson & Company; January 2009

Notes:

Bold letters indicate substandard LOS.

Δ in V/C = the change in the volume to capacity ratio between the two scenarios

TABLE 6.4
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
<i>Carlsbad</i>								
<i>No Significant Impacts</i>								
<i>Chula Vista</i>								
Bonita Rd	Willow St to Chula Vista City Limit	34,100	0.91	E	39,000	1.04	F	0.13
<i>Del Mar</i>								
<i>No Significant Impacts</i>								
<i>El Cajon</i>								
2nd St	Broadway to I-8 WB Ramps	34,700	0.87	D	38,900	0.97	E	0.10
<i>Encinitas</i>								
Rancho Santa Fe Rd	Manchester Ave to Eastern City Limit	23,000	1.15	F	24,500	1.23	F	0.08
<i>Escondido</i>								
Felicita Ave/17th Ave	Juniper St to Escondido Blvd	31,000	0.91	E	33,500	0.98	E	0.07
Bear Valley Pkwy	San Pasqual Rd to Mary Ln	29,100	0.79	C	35,300	0.95	E	0.16
	El Dorado Dr to San Pasqual Valley Rd	33,200	0.90	D-	36,000	0.97	E	0.07
<i>La Mesa</i>								
Fuerte Dr	Grossmont Dr to Avocado Blvd	15,800	1.58	F	18,500	1.85	F	0.27
<i>Lemon Grove</i>								
<i>No Significant Impacts</i>								
<i>National City</i>								
<i>No Significant Impacts</i>								
<i>Oceanside</i>								
<i>No Significant Impacts</i>								
<i>Poway</i>								
<i>No Significant Impacts</i>								
<i>San Diego</i>								
Via de la Valle	I-15 NB Ramps to San Andres Dr	40,200	1.01	F	43,100	1.08	F	0.07
Airway Rd	Michael Faraday Dr to SR-905	16,100	1.61	F	17,500	1.75	F	0.14
Siempre Viva Rd	SR-125 to Enrico Fermi Dr	50,700	1.01	F	59,300	1.19	F	0.18

TABLE 6.4 (Continued)
SIGNIFICANTLY IMPACTED ROADWAY SEGMENTS
COUNTY OF SAN DIEGO GENERAL PLAN UPDATE (REFERRAL MAP) VS. EXISTING COUNTY OF
SAN DIEGO GENERAL PLAN
(Proposed Plan to Existing Plan)

Roadway	Segment	Existing GP			GP Update			Δ in V/C
		ADT	V/C	LOS	ADT	V/C	LOS	
<i>San Marcos</i>								
Los Posas Rd	SR-78 WB Ramps to Grand Ave	55,500	1.11	F	56,500	1.13	F	0.02
	Grand Ave to Vista Dr	31,000	1.03	F	31,500	1.05	F	0.02
Twin Oaks Valley Rd	Deer Springs Rd to Buena Creek Rd	22,000	0.73	D	25,000	0.83	E	0.10
<i>Santee</i>								
Mast Blvd	Shirley Garden to Magnolia Ave	25,900	0.86	E	27,400	0.91	E	0.05
<i>Solana Beach</i>								
<i>No Significant Impacts</i>								
<i>Vista</i>								
<i>No Significant Impacts</i>								

Source: Wilson & Company; January 2009

Notes:
 Bold letters indicate substandard LOS.
 Δ in V/C = the change in the volume to capacity ratio between the two scenarios.

