Appendix E:
Traffic Analysis Supporting Information

Appendix

A. Standards for Specific Plan Proposed Streets

B. Existing Peak Hour Intersection Turning Movement Counts

C. North Camino Ramon Specific Plan Land Use Projections

D. Project Trip Generation Calculations

E. CCTA Model Data and Cumulative Plus Project Volume Calculations

F. Intersection LOS Analysis Sheets – Existing AM

G. Intersection LOS Analysis Sheets – Existing PM

H. Intersection LOS Analysis Sheets – Existing + Project AM

I. Intersection LOS Analysis Sheets – Existing + Project PM

J. Intersection LOS Analysis Sheets – Cumulative No Project AM

K. Intersection LOS Analysis Sheets – Cumulative No Project PM

L. Intersection LOS Analysis Sheets – Cumulative + Project AM

M. Intersection LOS Analysis Sheets – Cumulative + Project PM

N. Freeway Segment Volume and LOS Analysis Summary

O. Freeway Segment Volume Calculations

P. Bollinger Canyon Road Ultimate Build Out Final Alignment Plans

Q. CCCCTA County Connection Bus System Map

A. Standards for Specific Plan Proposed Streets

4

STREET STANDARDS

In order to achieve an integrated development of the specific plan area over a number of years by a multiple number of property owners, and for a wide diversity of uses, the plan includes detailed development standards to define street right-of-way widths and dimensions, sidewalk widths and uses, build-to lines for structures, and other conditions such as minimum first floor heights in critical and potential retail locations.

All streets will provide green buffer strips between pedestrian sidewalks or amenity spaces and the adjacent traffic travel lanes or parking spaces. These buffer strips may be continuous or segmented depending on the adjacent street and development conditions. During detailed engineering for the streets, consideration will be given to both normal street landscaping and special paving and landscaping to accommodate storm-water runoff.

The plans and sections identified in Figure 4.4 include information on the intent and specific requirements for each street corridor. For streets not specifically identified and illustrated in this chapter, the City shall use these plans and sections along with the Block Development Standards in this chapter to review development proposal on those streets.

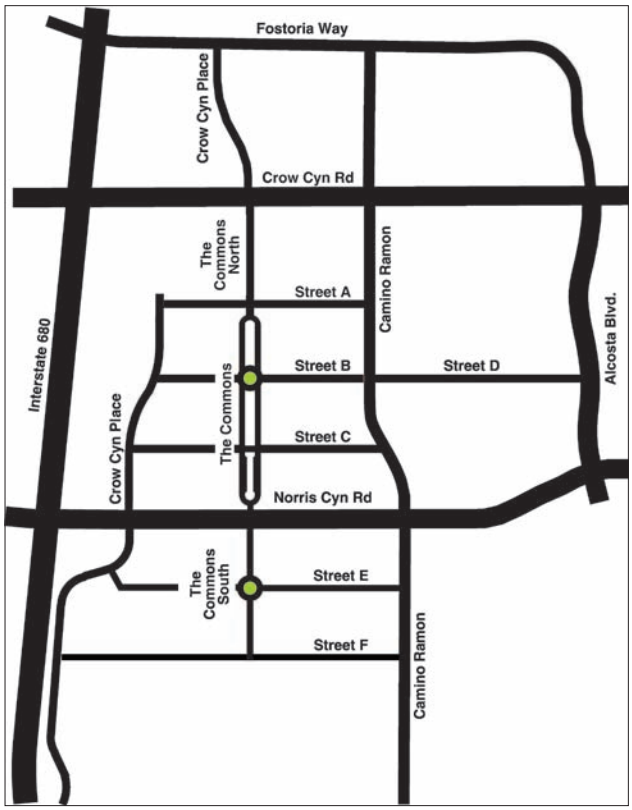


Figure 4.3: Street Designations

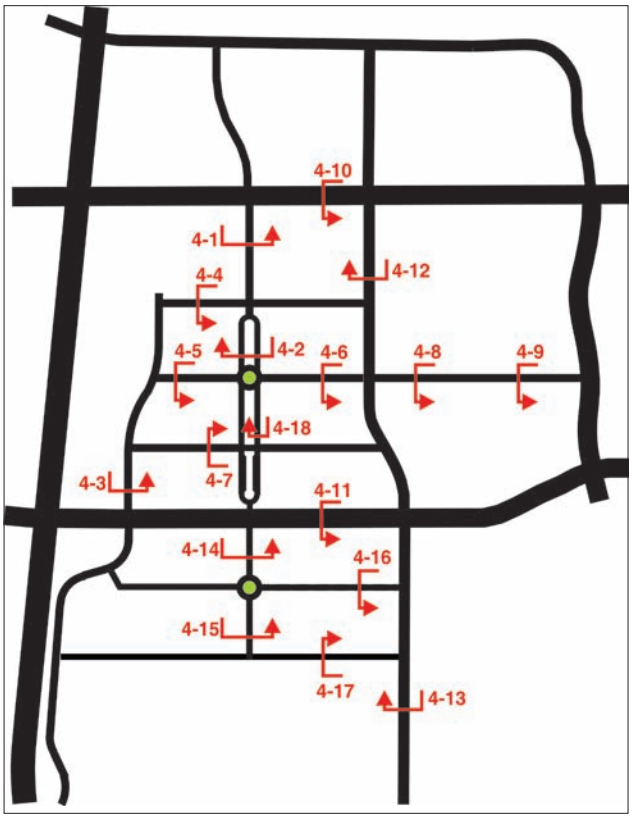


Figure 4.4: Street Cross Sections Key

4

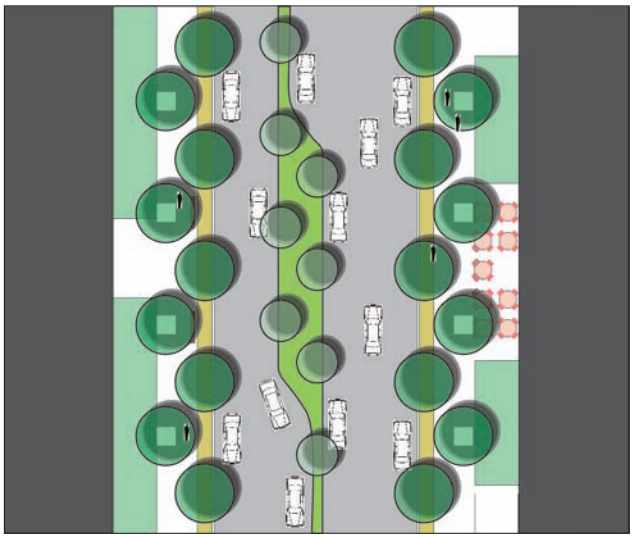
SECTION 4-1
THE COMMONS NORTH

Overview

The Commons North will be a major entry to the central block. It will accommodate a significant number of vehicles arriving and exiting from and to east and west San Ramon, as well as Interstate 680.

The street standards are intended to allow adequate distance for arriving motorists to decide on and select their desired destination path: The Commons, the larger floor plate uses along Crow Canyon Place and Norris Canyon Road, or the shared parking structure in the central block.

As the entry to the heart of the North Camino Ramon Specific Plan Area, substantial formal landscaping will be expected in the street median and along its commercial edges.



Right-of-way:	**110 feet**
On-street parking:	**yes**
Bike lanes:	**no**
Sidewalk width:	**20 feet**
Mid-block crossings:	**no**
Flex Zones:	**15 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**35 feet**
Ground floor active uses:	**required**

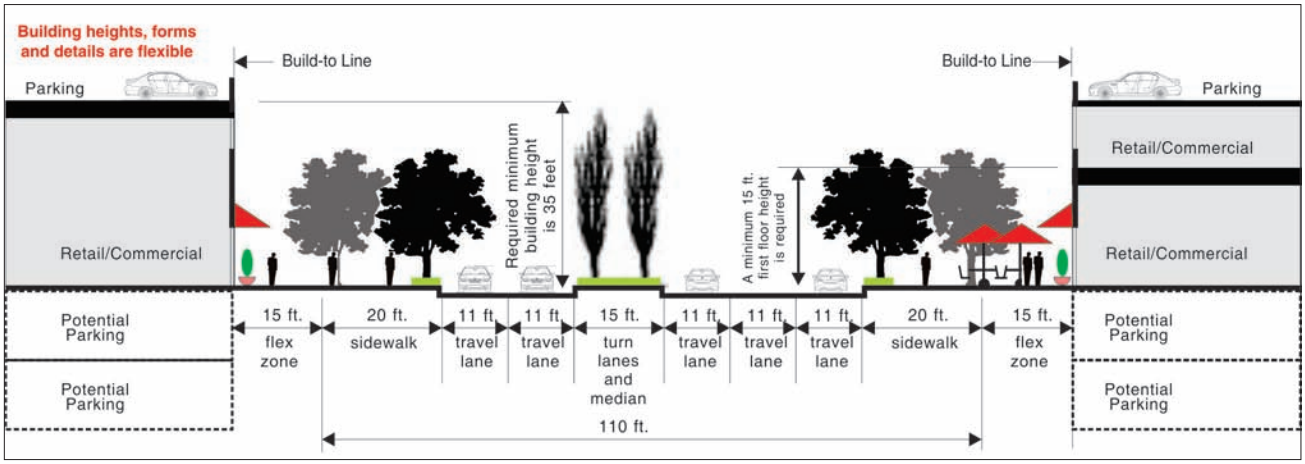


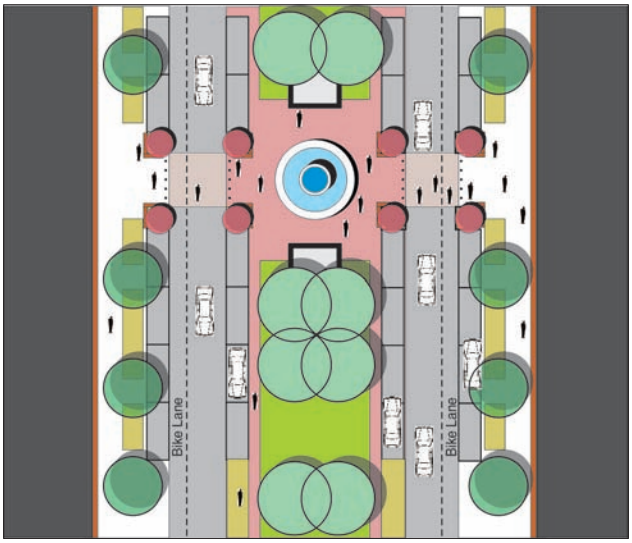
Figure 4.5: The Commons North

SECTION 4-2
THE COMMONS

Overview

The Commons is the heart of the North Camino Ramon Specific Plan Area, and the will provide a strong visual image and identity for the area. It will be a slow traffic local street providing abundant on-street parking for easy access to the retail and commercial service uses along its length.

Ground floor uses and sidewalks will be designed for active uses to enhance the social and economic vitality of the core, and provide an attractive environment to serve the needs of city residents, specific plan area residents, and employees of nearby commercial and medical uses during the day and into the evening.



Right-of-way:	**144 feet**	**:**
On-street parking:	**yes**	
Bike lanes:	**yes**	
Sidewalk width:	**12 feet**	
Mid-block crossings:	**yes**	
Flex Zones:	**8 feet**	
Build-to line:	**yes**	
Minimum first floor height:	**15 feet**	
Minimum building height:	**35 feet**	
Ground floor active uses:	**required**	

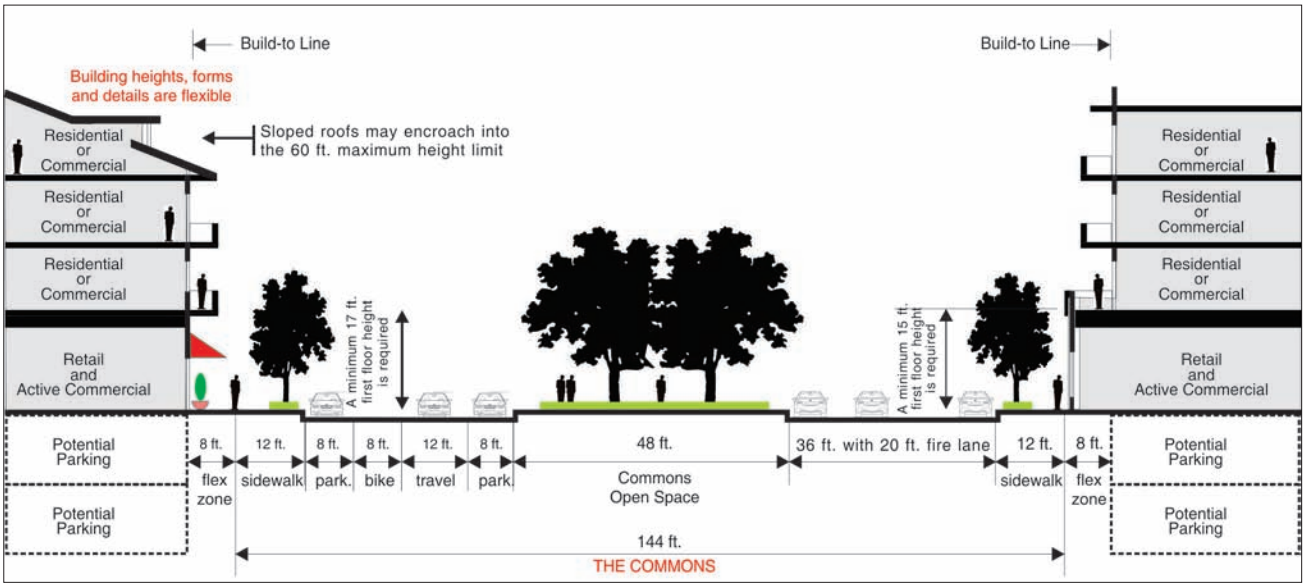


Figure 4.6: The Commons

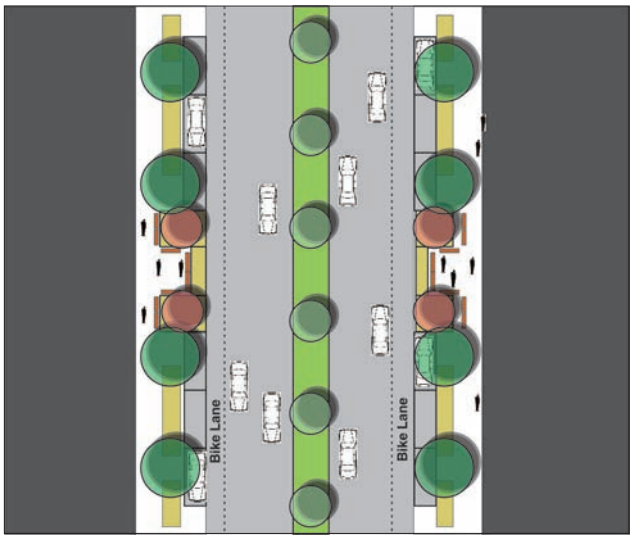
4

SECTION 4-3
CROW CANYON PLACE

Overview

Crow Canyon Place will serve two important functions: as a location for mid- and large-floor plate retail uses and other more automobile-oriented uses, and as an access roadway to similar uses at its intersection with Norris Canyon Road. While more automobile-oriented than other streets within the core area, it will be designed for active and pleasant pedestrian use as an extension of The Commons sidewalk network.

Bike lanes are provided to extend those designated in the General Plan on Bishop Drive (to the south) to connect with the "B" Street link to the Iron Horse Trail.



Right-of-way:	**120 feet**
On-street parking:	**yes**
Bike lanes:	**yes**
Sidewalk width:	**17 feet**
Mid-block crossings:	**no**
Flex Zones:	**none**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**none**
Ground floor active uses:	**required**

Comments:

- Development along the east side of the street will be expected to reinforce the build-to lines and the strong pedestrian environment of The Commons area with structures built at the sidewalk line.
- Development along the east side of the street will be expected to integrate parking with spaces constructed below grade, on upper levels, or surrounded by actively occupied building space. Surface parking fronting onto Crow Canyon Place will not be permitted.
- Development along the west side of the street will be expected to reinforce the build-to lines. However, more latitude will be allowed in building and parking placement.

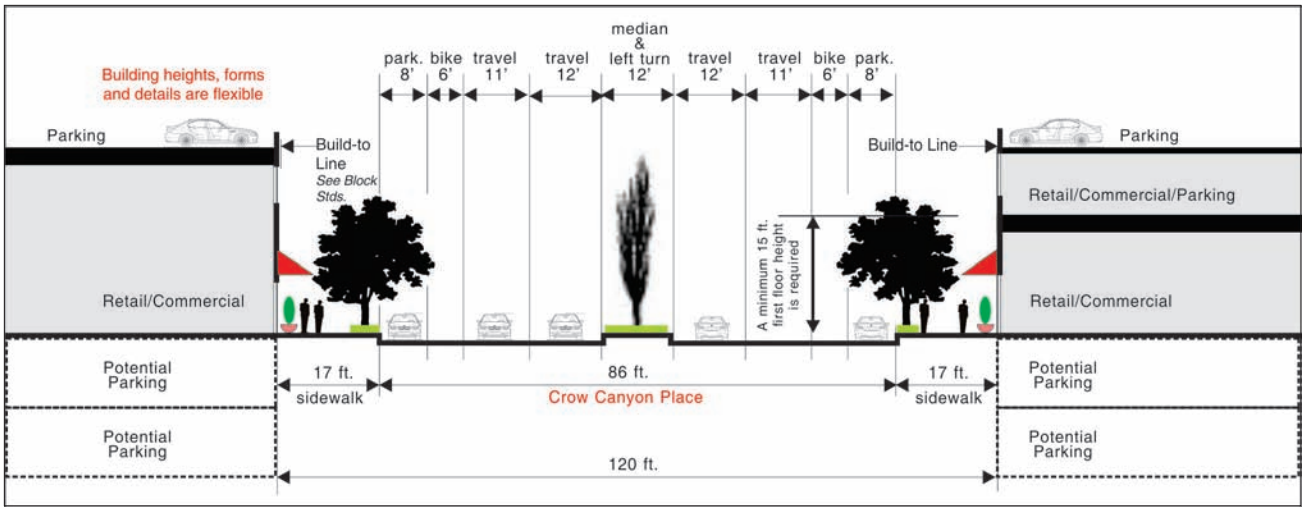


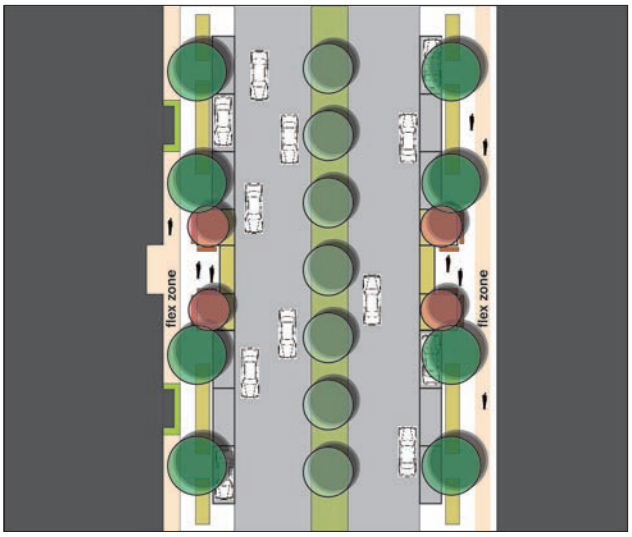
Figure 4.7: Crow Canyon Place

SECTION 4-4
STREET A

Overview

Street A will provide a vehicular link between the north entry to the central block at The Commons North and the automobile-oriented uses along Crow Canyon Place. It will also offer access to the shared parking structure.

While additional lanes are provided to accommodate the anticipated travel on this street, sidewalks are planned as an extension of the pedestrian-oriented environment along The Commons.



Right-of-way:	**98 feet**
On-street parking:	**yes**
Bike lanes:	**No**
Sidewalk width:	**12 feet**
Mid-block crossings:	**no**
Flex Zones:	**6 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Liner shops and/or display windows required for a minimum of 50% of all frontages.

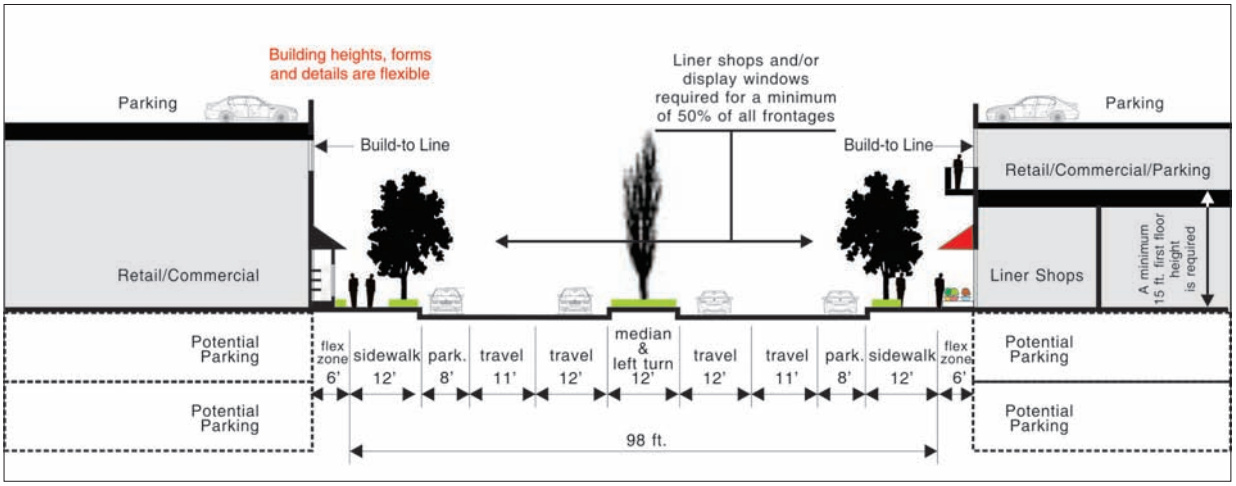


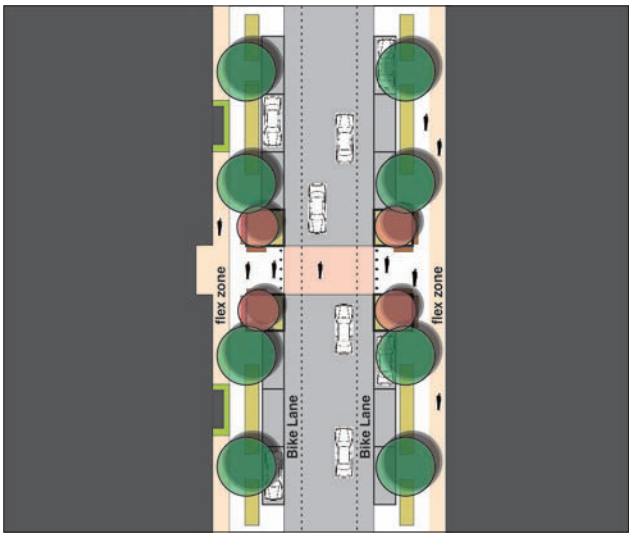
Figure 4.8: Streets A

4

SECTION 4-5
STREET B WEST

Overview

Street B West is a local street with bike lanes provided to link those on Crow Canyon Place and south on Bishop Drive to the Iron Horse Trail. The street also provides a direct vehicular and pedestrian connection between the shared parking structure and Crow Canyon Place.



Right-of-way:	**72 feet**
On-street parking:	**yes**
Bike lanes:	**yes**
Sidewalk width:	**12 feet**
Mid-block crossings:	**yes**
Flex Zones:	**6 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Liner shops and/or display windows required for a minimum of 50% of all frontages.

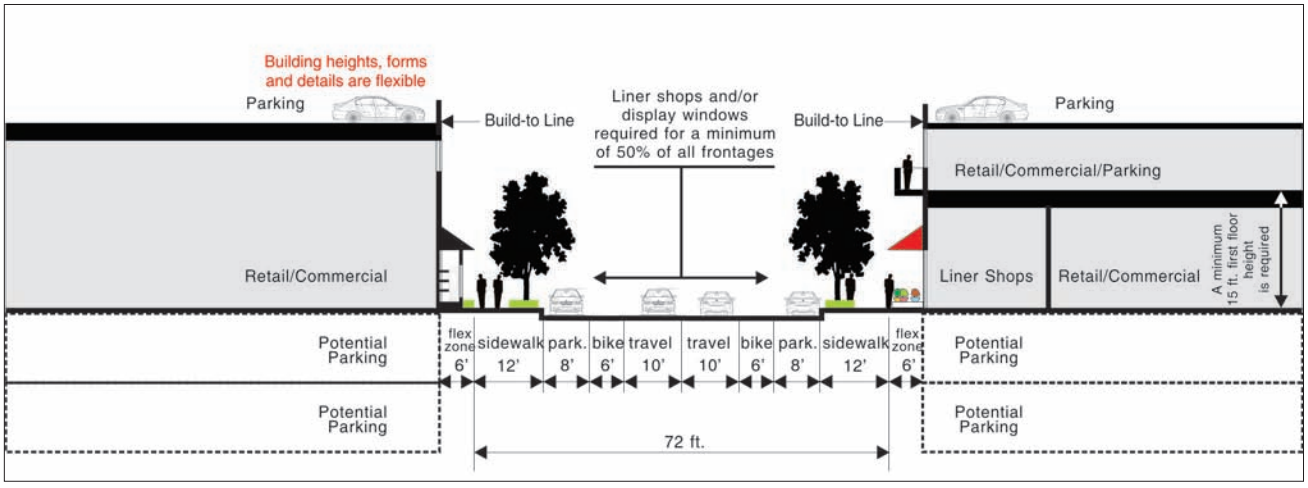


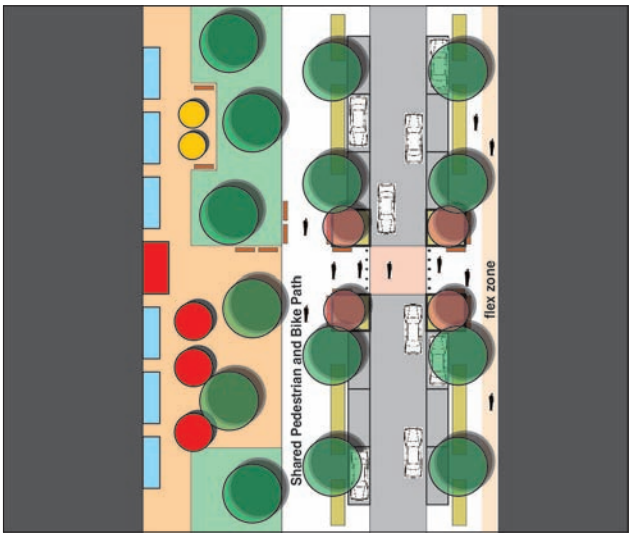
Figure 4.9: Street B West

4

SECTION 4-6
STREET B EAST

Overview

Street B East is a local street adjacent to the shared parking structure and the Iron Horse Trail pedestrian and bicycle path. The street also provides a direct vehicular and pedestrian connection between Crow Canyon Place and the shared parking structure.



Right-of-way:	**122 feet**
On-street parking:	**yes**
Bike lanes:	**yes**
Sidewalk width:	**12 feet (see comments)**
Mid-block crossings:	**yes**
Flex Zones:	**6 feet (see comments)**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- An 18 foot wide shared pedestrian and bicycle path is required along the north side of the street.
- A 50 foot wide area of plazas and landscaping is required along the north side of the street. Landscaping must be adequate to provide a visual continuation of the landscaped link to the east of Camino Ramon (see section 4-7: D Street West.
- Vehicular access to uses on the north of this street will not be permitted.

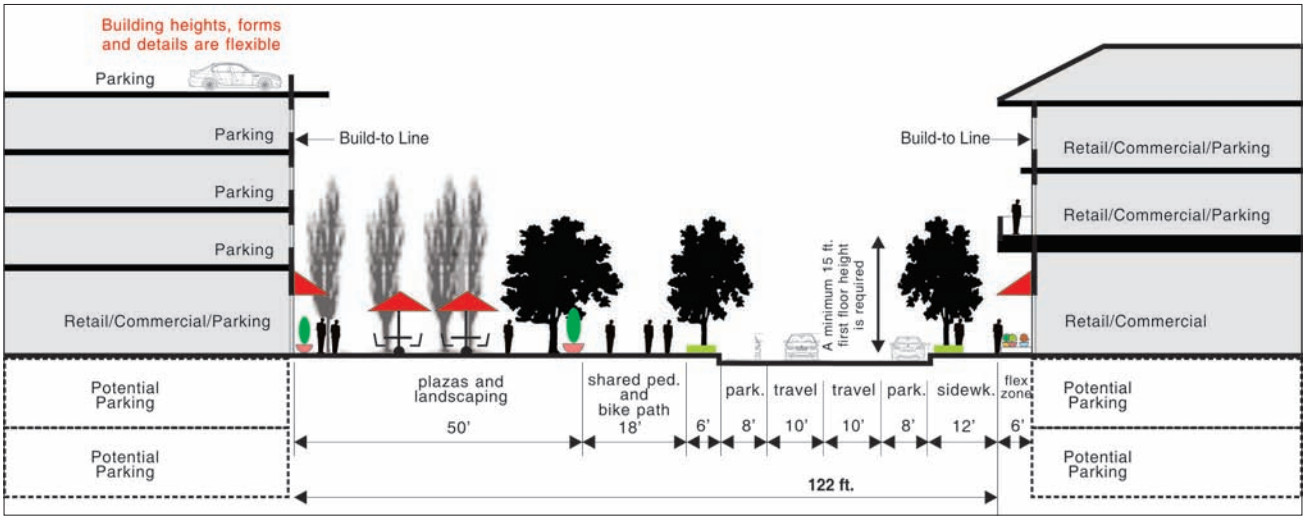


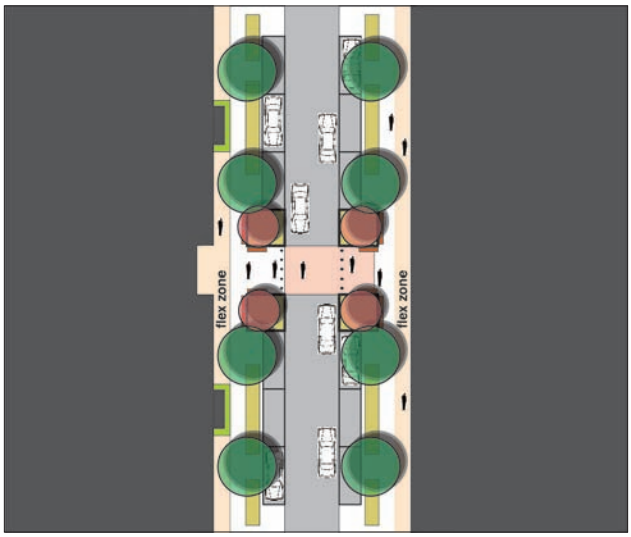
Figure 4.10: Street B East

4

SECTION 4-7
STREET C

Overview

Street C is a local street with on-street parking. While this street is expected to be constructed for vehicular and pedestrian linkages unless the land use precludes it, some flexibility will be maintained with respect to its precise location consistent with sound practices regarding street intersection spacing.



Right-of-way:	**60 feet**
On-street parking:	**yes**
Bike lanes:	**no**
Sidewalk width:	**12 feet**
Mid-block crossings:	**yes**
Flex Zones:	**6 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Liner shops and/or display windows required for a minimum of 50% of all frontages.

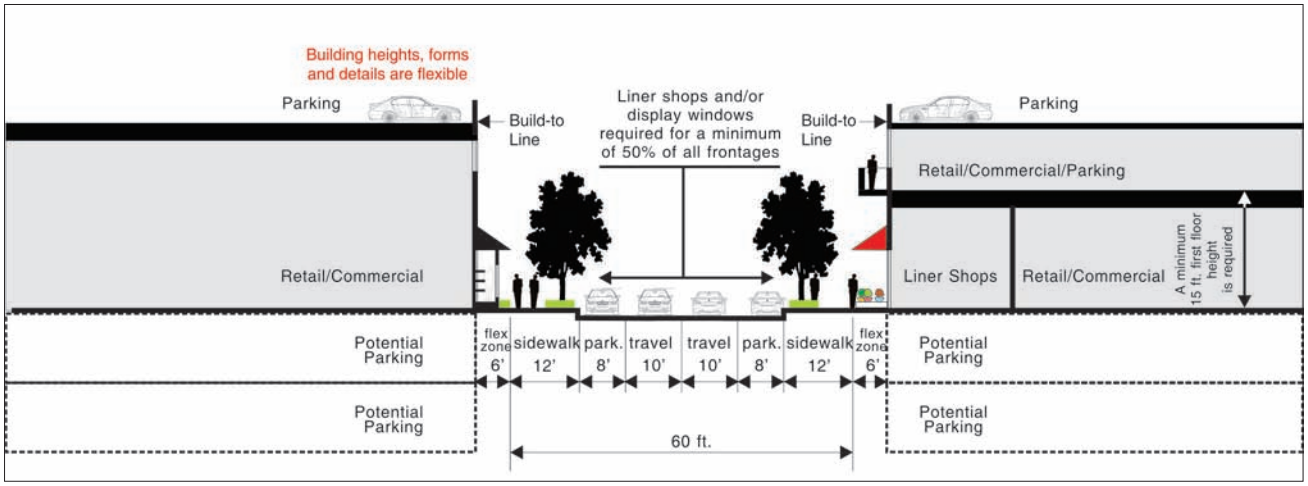
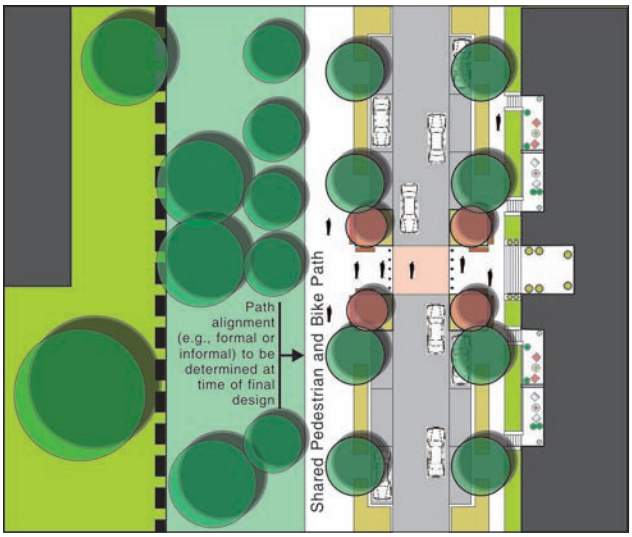


Figure 4.11: Street C

SECTION 4-8
STREET D WEST

Overview

Street D West is the westerly portion of a new local street connecting Alcosta Boulevard to Camino Ramon, and providing additional vehicular access to the central block, It also will provide activity to increase the public safety of the Iron Horse Trail Link.



Right-of-way:	**122 feet**
On-street parking:	**yes**
Bike lanes:	**yes (see comments)**
Sidewalk width:	**18 feet (see comments)**
Mid-block crossings:	**yes**
Setback for residential:	**15 feet**
Build-to line:	**none**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**not required**

Comments:

- An 18 foot wide shared pedestrian and bicycle path is required along the north side of the street.
- A 50 foot wide area of park space and landscaping is required along the north side of the street.
- Vehicular access to uses to the north of this street will not be permitted.

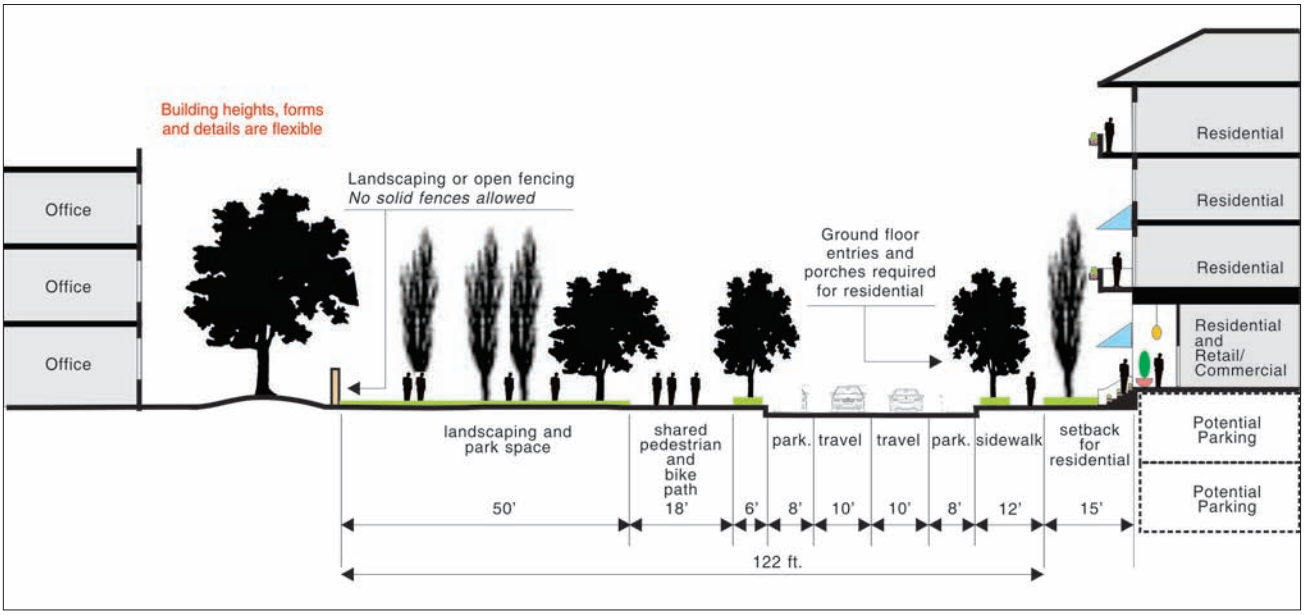


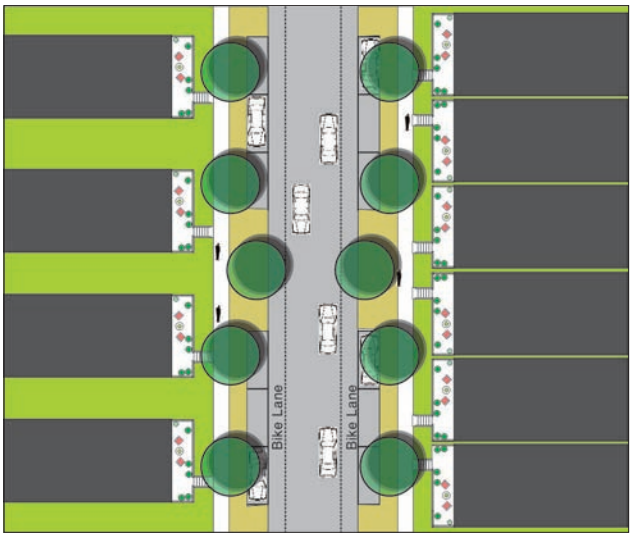
Figure 4.12: Street D West

4

SECTION 4-9
STREET D EAST

Overview

Street D East is the easterly portion of a new local street connecting Alcosta Boulevard to Camino Ramon, providing additional vehicular access to the development parcels along its edges, and providing pedestrian and bicycle connections to the Iron Horse Trail and The Commons.



Right-of-way:	**72 feet**
On-street parking:	**yes**
Bike lanes:	**yes**
Sidewalk width:	**12 feet**
Mid-block crossings:	**no**
Setback for residential:	**15 feet**
Build-to line:	**none**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**not required**

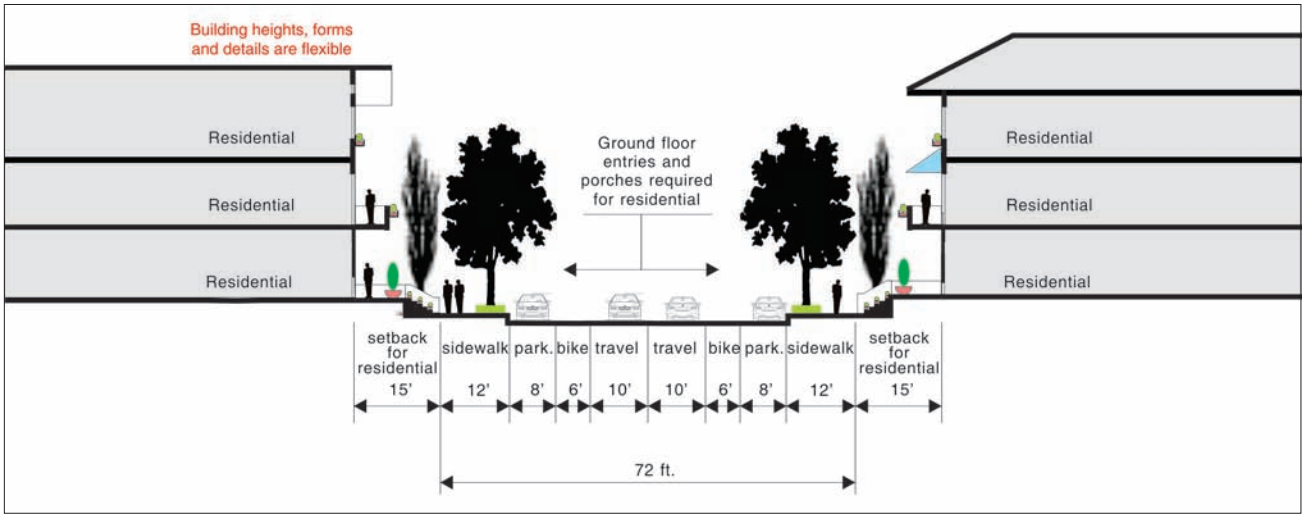


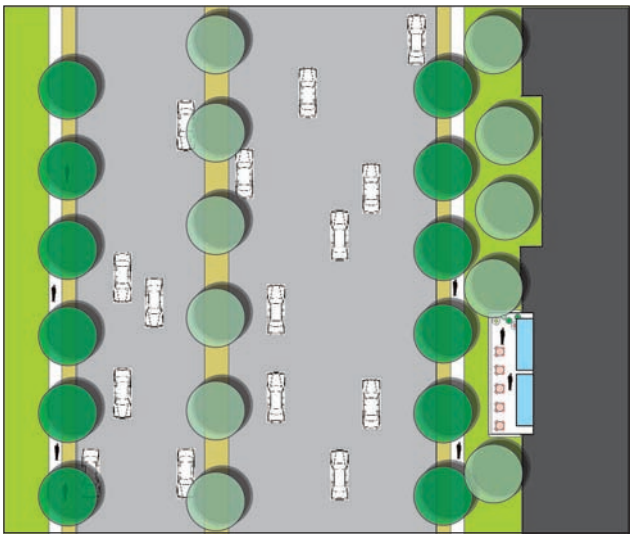
Figure 4.13:Street D East

4

SECTION 4-10
CROW CANYON ROAD

Overview

Crow Canyon Road's importance as a primary entry to the City of San Ramon will be reinforced with structures and ground floor uses that better define the edges of the thoroughfare. The street's current width and profile will remain unaltered.



Right-of-way:	**to remain as currently constructed**
On-street parking:	**no**
Bike lanes:	**no**
Sidewalk width:	**10 feet**
Mid-block crossings:	**no**
Flex zone:	**10 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**35 feet**
Ground floor active uses:	**encouraged**

Comments:

- While a minimum height at the build-to line is required, taller structures are strongly encouraged to enhance the City entry importance of the street.

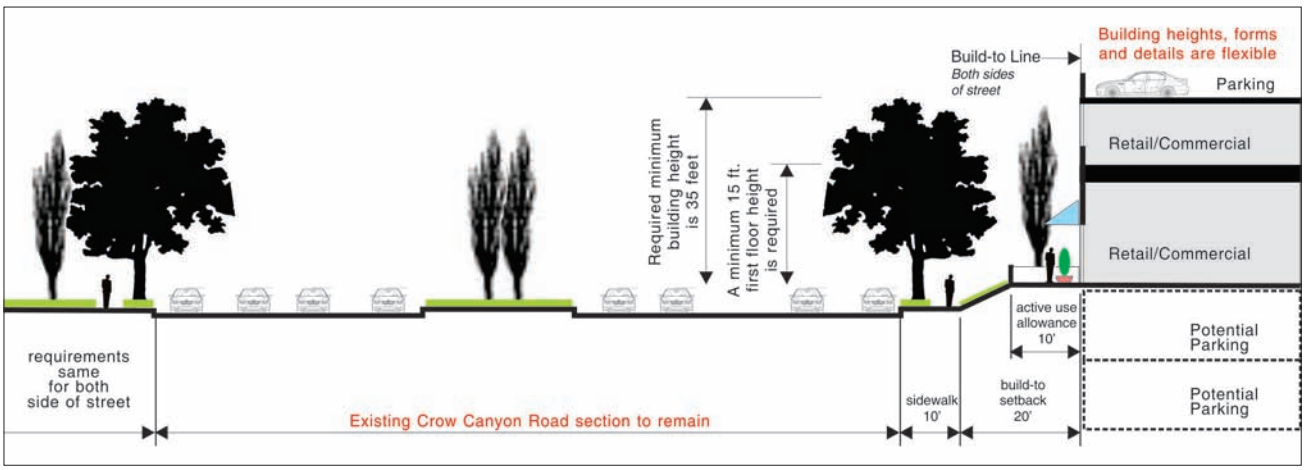


Figure 4.14: Crow Canyon Road

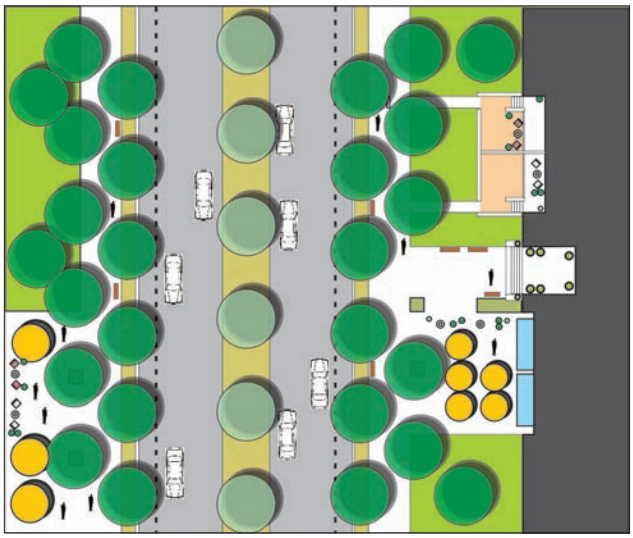
SECTION 4-11
NORRIS CANYON ROAD

4

Overview

Norris Canyon Road will be widened slightly from its current width to accommodate a landscaped median to enhance the anticipated residential and resident-serving uses along its edge.

Active uses, ground floor entries to residential units and buildings, and upper floor balconies to bring life to the street environment will be strongly encouraged to enhance the street's role of providing pedestrian access between nearby employment uses and The Commons.



Right-of-way:	**74 feet**
On-street parking:	**no**
Bike lanes:	**yes**
Sidewalk width:	**20 feet**
Mid-block crossings:	**no**
Setback for residential:	**35 feet**
Build-to line:	**yes**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Active ground floor uses are strongly encouraged along both sides of Norris Canyon Road.
- Soft landscaping with outdoor uses (e.g., dining and gathering spaces) are strongly encouraged to maintain the street's current character.

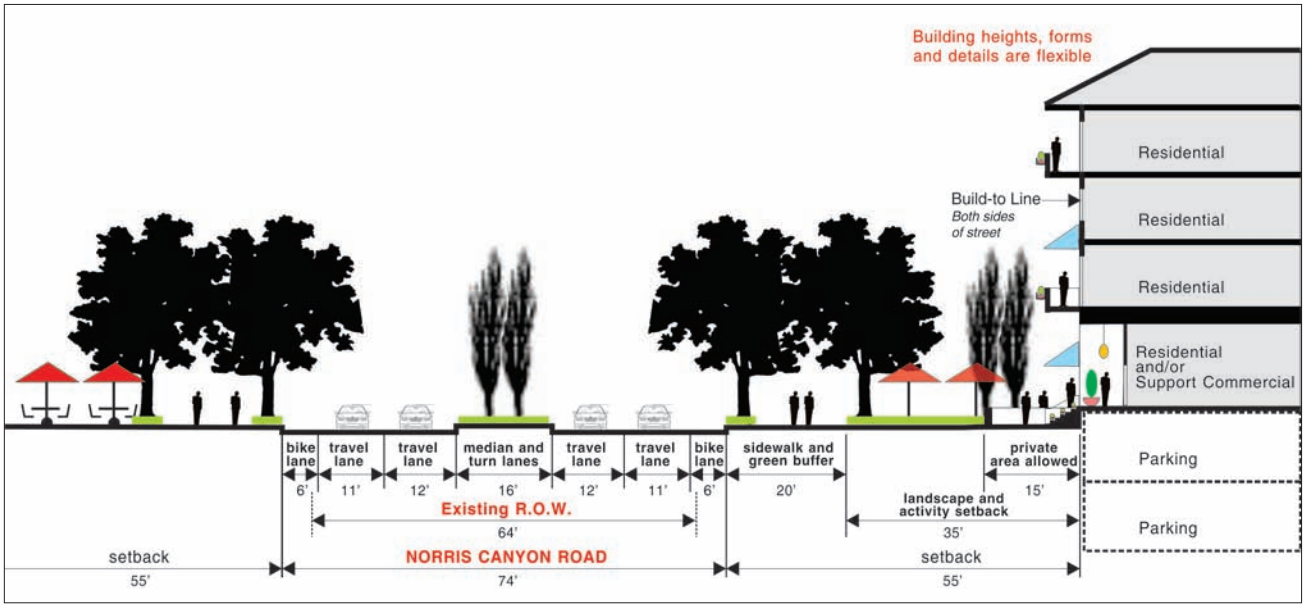


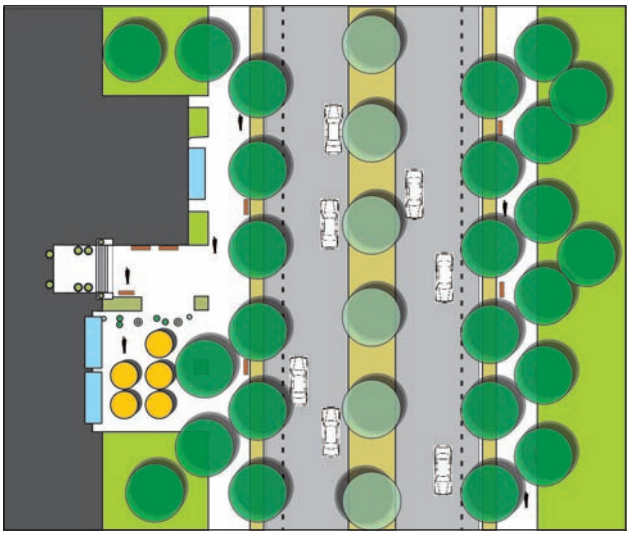
Figure 4.15: Norris Canyon Road

SECTION 4-12
CAMINO RAMON NORTH

Overview

Camino Ramon North will likely provide frontages for a wide variety of uses, including larger structures such as supermarkets, drug stores, single tenant retail buildings, and office buildings.

A variety of edge conditions are possible, but the goal is to enhance the landscaping along this street, and to improve its pedestrian environment to encourage walking to the uses that may front on the street.



Right-of-way:	**to remain as currently constructed**
On-street parking:	**no**
Bike lanes:	**no**
Sidewalk width:	**25 feet including green buffer**
Mid-block crossings:	**no**
Flex zones:	**30 feet**
Build-to line:	**no**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Reinforcement of edge landscaping is required.

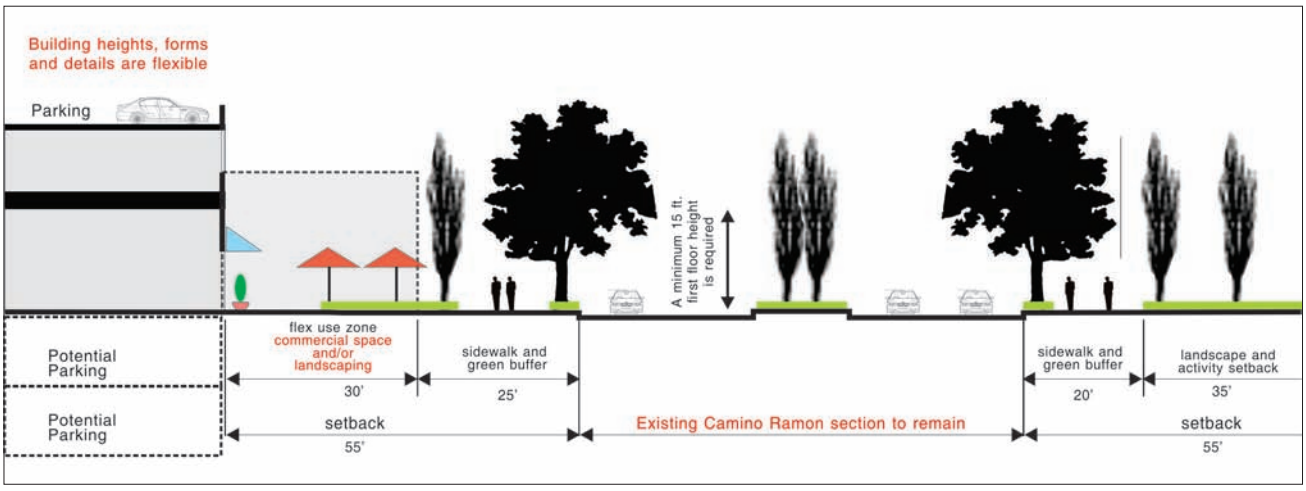


Figure 4.16: Camino Ramon North

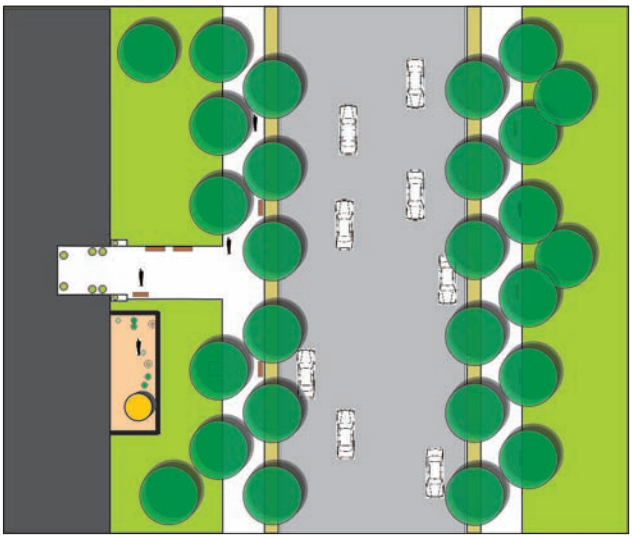
SECTION 4-13
CAMINO RAMON SOUTH

4

Overview

Camino Ramon South is envisioned as a consolidation of the Bishop Ranch office uses in the specific plan area, combined with residential uses to enliven the area and to support Bishop Ranch businesses, City Center, and The Commons commercial core,

Active uses, ground floor entries to residential units and buildings, and upper floor balconies to bring life to the street environment will be strongly encouraged to enhance the street's role of providing pedestrian access between nearby employment uses and The Commons.



Right-of-way:	**to remain as currently constructed**
On-street parking:	**no**
Bike lanes:	**no**
Sidewalk width:	**20 feet with green buffer**
Mid-block crossings:	**no**
Landscape/activity setback:	**35 feet**
Build-to line:	**yes (min. 50% of frontage)**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Active ground floor uses are strongly encouraged along Camino Ramon.
- Soft landscaping with outdoor uses (e.g., dining and gathering spaces) are strongly encouraged.

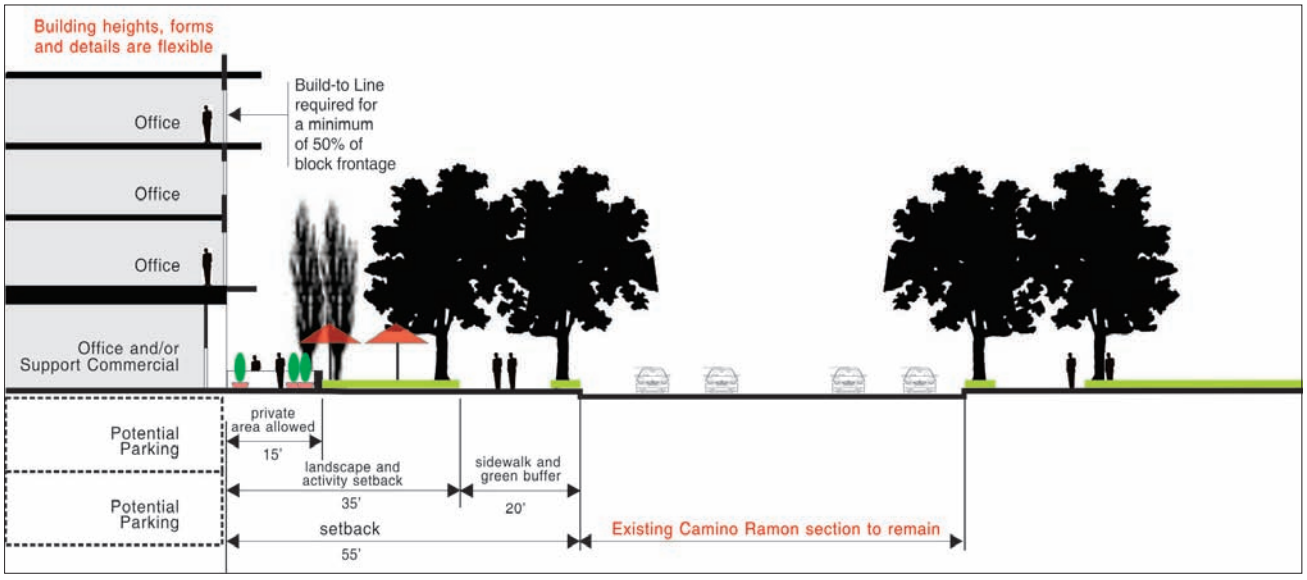


Figure 4.17: Camino Ramon South

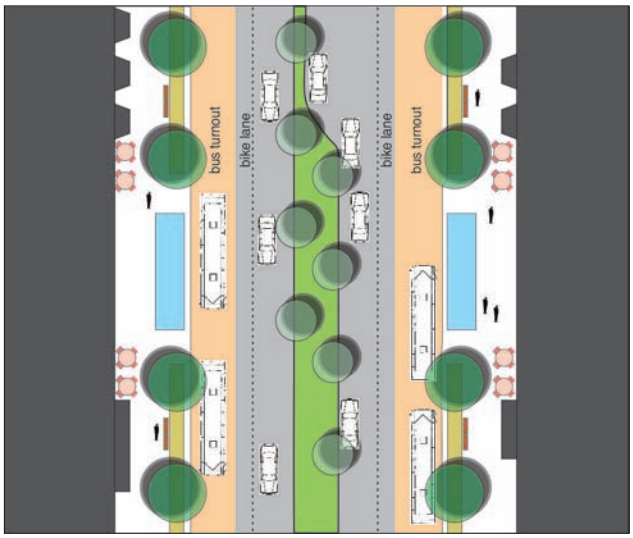
4

SECTION 4-14
THE COMMONS SOUTH TRANSIT CENTER

Overview

The Commons South, immediately adjacent to Norris Canyon Road, will accommodate the relocated Transit Center, and provide a mix of uses including restaurant, retail, and commercial services to meet the needs of nearby Bishop Ranch office workers and residents in the planned adjacent residential neighborhood.

Residential uses, over ground floor commercial uses will be required on the east side of the street to provide a transition to the planned adjacent residential neighborhood. Parking to serve development and the Transit Center are possible on the upper floors on the west side (see page 73).



Right-of-way:	**128 feet**
On-street parking:	**no**
Bike lanes:	**yes**
Sidewalk width:	**20 feet**
Mid-block crossings:	**no**
Flex zone:	**6 feet**
Build-to line:	**yes**
Minimum first floor height:	**15 feet**
Minimum building height:	**35 feet**
Ground floor active uses:	**required**

Comments:

- Accommodate an on-street Transit Center adjacent to Norris Canyon Road.
- Provide parking to serve development and transit center.

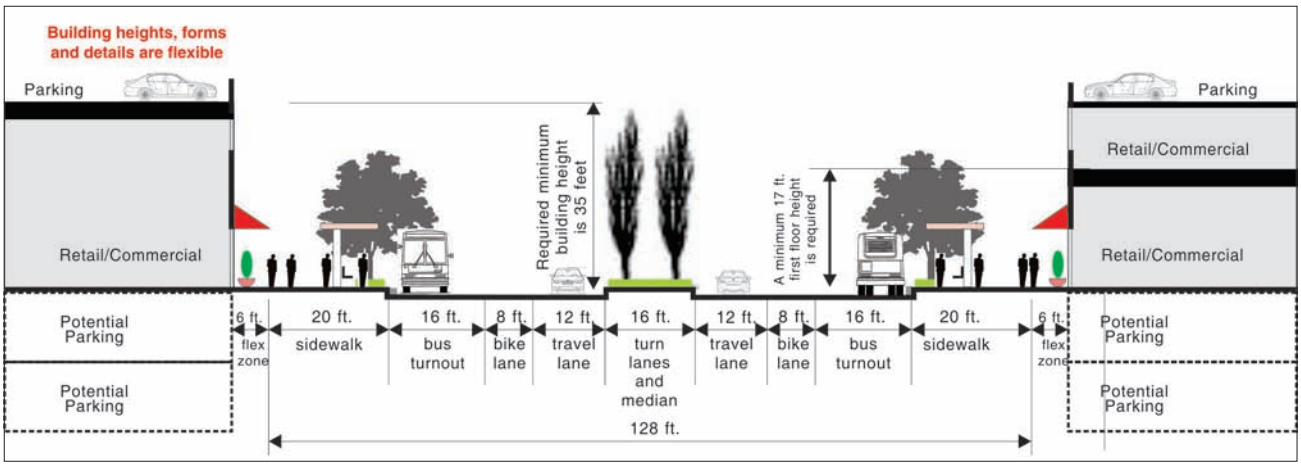


Figure 4.18: The Commons South at Transit Center

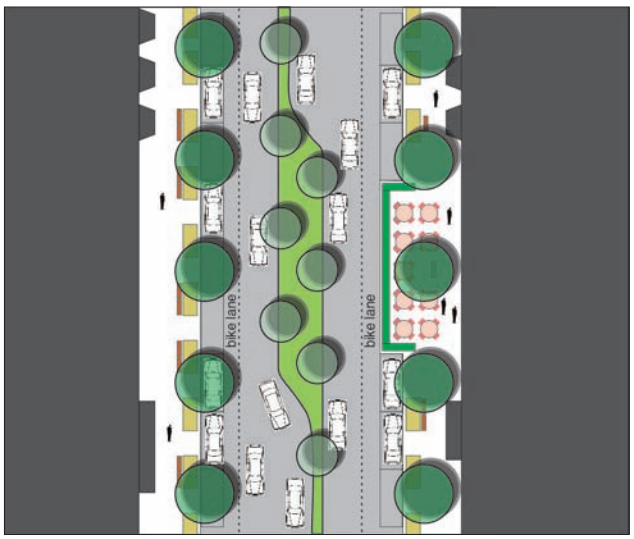
SECTION 4-15
THE COMMONS SOUTH

4

Overview

The Commons South, between the new Streets E and F, will provide a mix of uses including restaurant, retail, and commercial services to meet the needs of near-by Bishop Ranch office workers and residents in the planned adjacent residential neighborhood.

Residential uses, over ground floor commercial uses will be required on the east side of the street to provide a transition to the planned adjacent residential neighborhood.



Right-of-way:	**112 feet**	**Comments**
On-street parking:	**yes**	
Bike lanes:	**yes**	
Sidewalk width:	**12 feet**	
Mid-block crossings:	**no**	
Flex zone:	**8 feet**	
Build-to line:	**no**	
Minimum first floor height:	**15 feet**	
Minimum building height:	**35 feet**	
Ground floor active uses:	**required**	

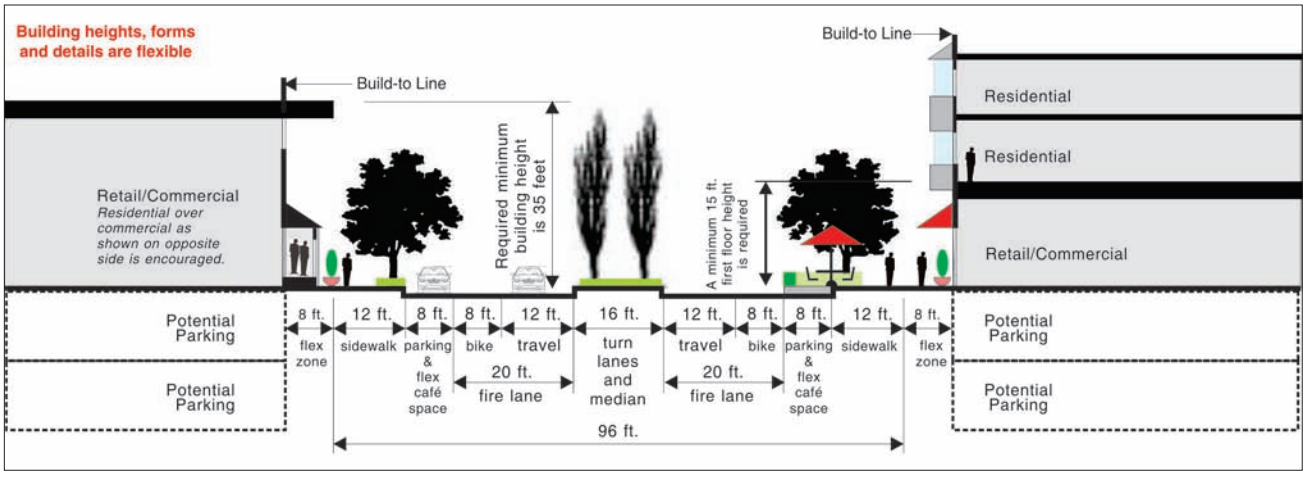


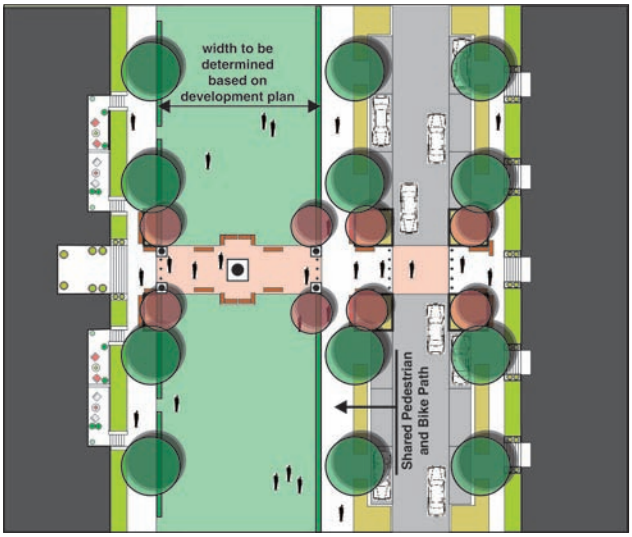
Figure 4.19: The Commons South

SECTION 4-16
STREET E EAST

Overview

Street E East will provide access to new multifamily residential development, and include park space for both active and passive recreation. Adjacent residential development will be encouraged to provide smaller open spaces and walkways that connect to the park space along the street.

On-street parking will provide convenient parking for residential guests and community residents using the open space.



Right-of-way:	**68 feet**
On-street parking:	**yes**
Bike lanes:	**yes (see comments)**
Sidewalk width:	**18 feet (see comments)**
Mid-block crossings:	**yes**
Residential setback:	**20 feet**
Build-to line:	**yes**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Shared pedestrian and bicycle path is required.
- Landscaping and park space is required along the street frontage. The width will be determined based on the development plan for the adjacent parcels.

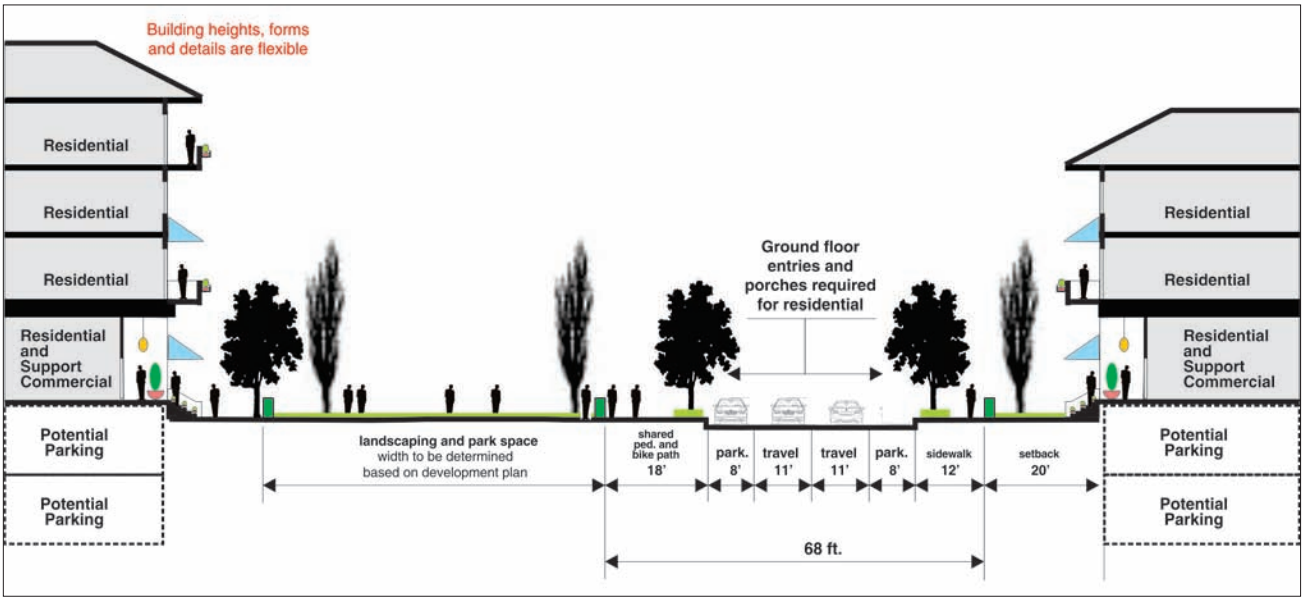


Figure 4.20: Street E East

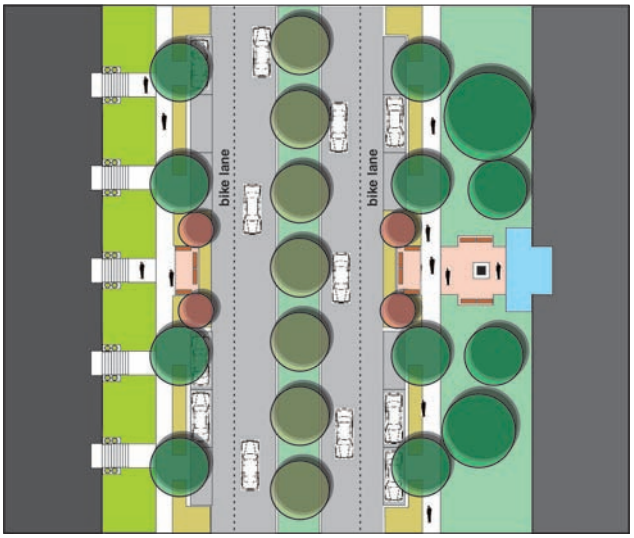
4

SECTION 4-17
STREET F EAST

Overview

Street F East will provide access to new multifamily residential development, and include park space for both active and passive recreation. Adjacent residential development will be encouraged to provide smaller open spaces and walkways that connect to the park space along the street.

On-street parking will provide convenient parking for residential guests and community residents using the open space.



Right-of-way:	**96 feet**
On-street parking:	**yes**
Bike lanes:	**yes**
Sidewalk width:	**12 feet**
Mid-block crossings:	**no**
Residential setback:	**20 feet**
Office setback:	**35 feet**
Build-to line:	**yes**
Minimum first floor height:	**none**
Minimum building height:	**none**
Ground floor active uses:	**see comments**

Comments:

- Support commercial uses are encouraged on the ground floors of both office and residential structures to serve the employees and residents.
- Landscape and activity setbacks are required along all office frontage to buffer residential neighborhoods from larger office buildings.

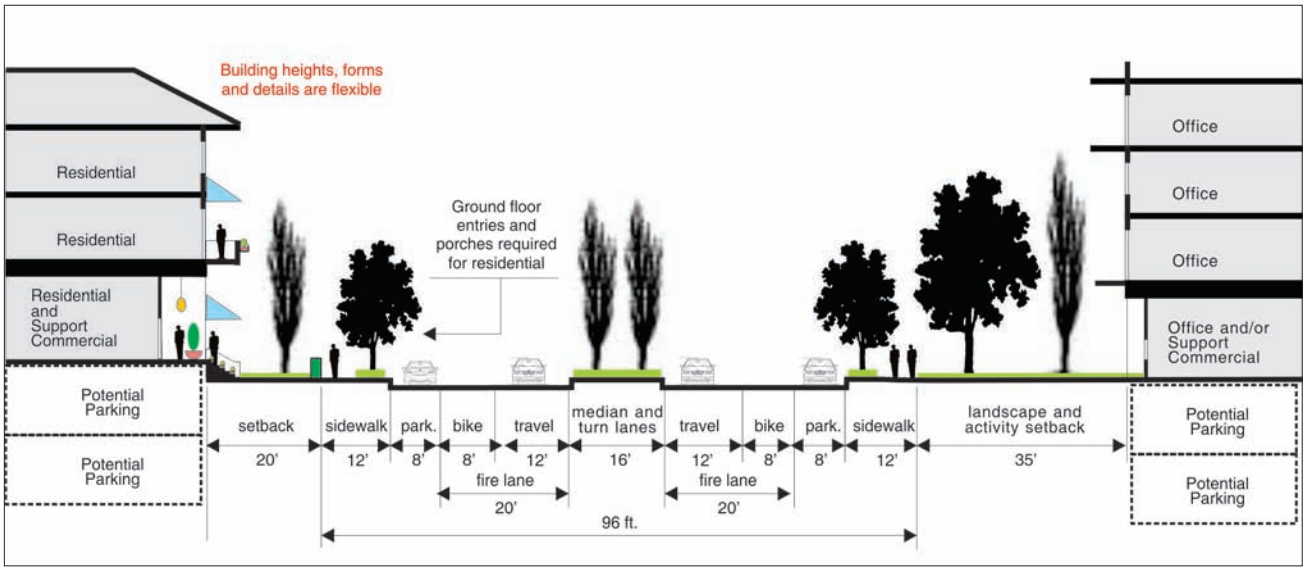


Figure 4.21: Street F East

4

SECTION 4-18
SERVICE CORRIDOR

Service corridors will be required at the rear of buildings fronting on The Commons,including The Commons North and The Commons South, to provide service delivery and trash removal access for commercial uses. Driveway access must be wide enough to accommodate a fire lane.

A minimum separation of 80 feet is required between buildings where any one of the structures contains residential units.

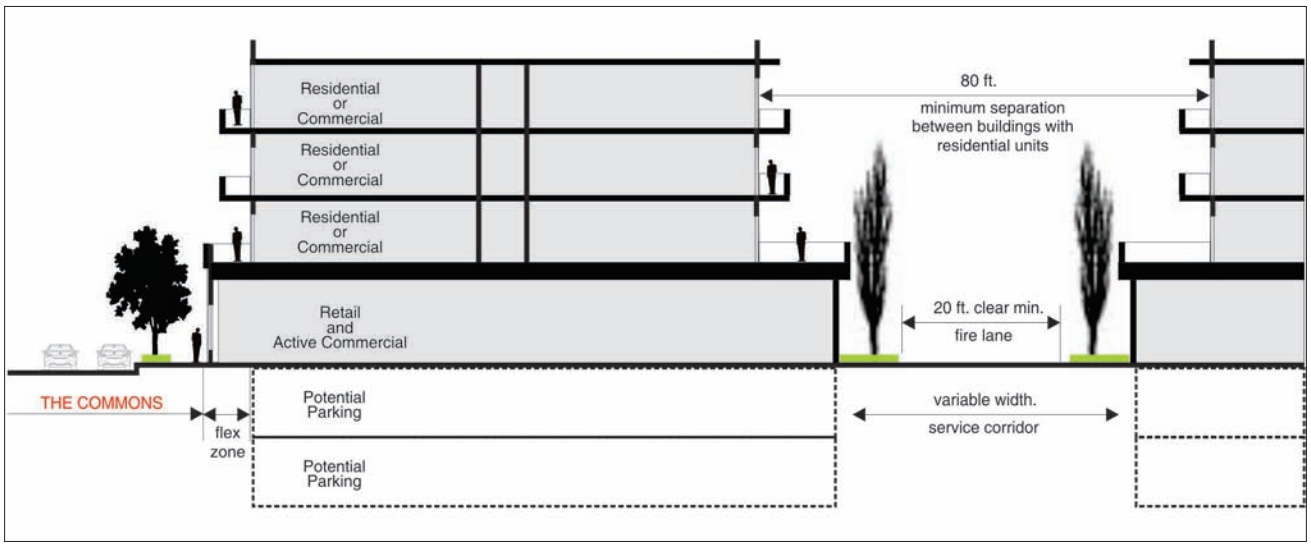


Figure 4.22: Service Corridor

B. Existing Peak Hour Intersection Turning Movement Counts

PHA Transportation Consultants
(510) 848-9233

File Name : 1am
Site Code : 00000001
Start Date : 05/22/2008
Page No : 1

Crwo Canyon/Bolinger Canyon - San Ramon

Groups Printed- Unshifted

	Bollinger Canyon From North				Crwo Canyon From East				Bollinger Canyon From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	4	1	2	0	6	163	9	0	14	4	30	0	4	116	1	0	354
07:15 AM	6	6	8	0	4	192	5	0	16	3	33	0	10	175	1	0	459
07:30 AM	2	6	3	0	6	165	11	0	16	2	33	0	13	195	3	0	455
07:45 AM	5	18	3	0	9	147	23	0	21	7	27	0	21	228	5	0	514
Total	17	31	16	0	25	667	48	0	67	16	123	0	48	714	10	0	1782
08:00 AM	2	41	9	0	4	136	30	0	41	14	39	0	20	232	2	0	570
08:15 AM	2	10	3	0	9	183	15	0	35	5	27	0	12	180	1	0	482
08:30 AM	4	4	8	0	7	150	14	0	21	25	23	0	23	232	6	0	517
08:45 AM	2	9	8	0	9	129	12	0	18	17	20	0	17	189	2	0	432
Total	10	64	28	0	29	598	71	0	115	61	109	0	72	833	11	0	2001
Grand Total	27	95	44	0	54	1265	119	0	182	77	232	0	120	1547	21	0	3783
Apprch %	16.3	57.2	26.5	0.0	3.8	88.0	8.3	0.0	37.1	15.7	47.3	0.0	7.1	91.6	1.2	0.0	
Total %	0.7	2.5	1.2	0.0	1.4	33.4	3.1	0.0	4.8	2.0	6.1	0.0	3.2	40.9	0.6	0.0	

	Bollinger Canyon From North					Crwo Canyon From East					Bollinger Canyon From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	13	73	23	0	109	29	616	82	0	727	118	51	116	0	285	76	872	14	0	962	2083
Percent	11.9	67.0	21.1	0.0		4.0	84.7	11.3	0.0		41.4	17.9	40.7	0.0		7.9	90.6	1.5	0.0		
08:00 Volume	2	41	9	0	52	4	136	30	0	170	41	14	39	0	94	20	232	2	0	254	570
Peak Factor																					0.914
High Int.	08:00 AM					08:15 AM					08:00 AM					08:30 AM					
Volume	2	41	9	0	52	9	183	15	0	207	41	14	39	0	94	23	232	6	0	261	
Peak Factor					0.524					0.878					0.758					0.921	

PHA Transportation Consultants
(510) 848-9233

File Name : 1pm
Site Code : 00000001
Start Date : 05/22/2008
Page No : 1

Crow Canyon/Bollinger Canyon - San Ramon

Groups Printed- Unshifted

	Bollinger Canyon From North				Crow Canyon From East				Bollinger Canyon From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	1	12	6	0	6	203	11	0	22	8	18	0	14	183	4	0	488
04:15 PM	2	8	8	0	11	160	23	0	27	7	28	0	25	181	3	0	483
04:30 PM	4	11	10	0	11	202	16	0	12	11	29	0	29	166	5	0	506
04:45 PM	4	17	8	0	6	179	16	0	19	9	26	0	16	176	3	0	479
Total	11	48	32	0	34	744	66	0	80	35	101	0	84	706	15	0	1956
05:00 PM	4	5	7	0	3	229	30	0	19	8	23	0	26	161	3	0	518
05:15 PM	5	11	5	0	8	189	22	0	30	16	30	0	27	171	4	0	518
05:30 PM	5	11	9	0	9	176	25	0	23	9	30	0	36	190	7	0	530
05:45 PM	3	14	5	0	10	163	28	0	17	10	14	0	34	224	3	1	526
Total	17	41	26	0	30	757	105	0	89	43	97	0	123	746	17	1	2092
Grand Total	28	89	58	0	64	1501	171	0	169	78	198	0	207	1452	32	1	4048
Apprch %	16.0	50.9	33.1	0.0	3.7	86.5	9.9	0.0	38.0	17.5	44.5	0.0	12.2	85.8	1.9	0.1	
Total %	0.7	2.2	1.4	0.0	1.6	37.1	4.2	0.0	4.2	1.9	4.9	0.0	5.1	35.9	0.8	0.0	

	Bollinger Canyon From North					Crow Canyon From East					Bollinger Canyon From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	05:00 PM																				
Volume	17	41	26	0	84	30	757	105	0	892	89	43	97	0	229	123	746	17	1	887	2092
Percent	20.2	48.8	31.0	0.0		3.4	84.9	11.8	0.0		38.9	18.8	42.4	0.0		13.9	84.1	1.9	0.1		
05:30 Volume	5	11	9	0	25	9	176	25	0	210	23	9	30	0	62	36	190	7	0	233	530
Peak Factor																					0.987
High Int.	05:30 PM					05:00 PM					05:15 PM					05:45 PM					
Volume	5	11	9	0	25	3	229	30	0	262	30	16	30	0	76	34	224	3	1	262	
Peak Factor					0.840					0.851					0.753					0.846	

PHA Transportation Consultants
(510) 848-9233

File Name : 3am
Site Code : 00000003
Start Date : 05/29/2008
Page No : 1

San Ramon Valley/Crow Canyon - San Ramon

Groups Printed- Unshifted

	San Ramon Valley From North				Crow Canyon From East				San Ramon Valley From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	11	39	33	0	43	328	117	0	45	21	10	0	15	117	5	0	784
07:15 AM	10	33	76	0	54	285	99	0	84	27	15	0	20	202	15	0	920
07:30 AM	5	36	82	0	47	277	134	0	82	30	16	0	23	204	16	0	952
07:45 AM	7	52	104	0	37	282	135	0	61	37	17	0	32	214	25	0	1003
Total	33	160	295	0	181	1172	485	0	272	115	58	0	90	737	61	0	3659
08:00 AM	7	51	117	0	82	310	119	0	66	27	26	0	33	232	38	0	1108
08:15 AM	16	43	98	0	38	328	146	0	61	36	31	0	20	225	44	0	1086
08:30 AM	15	28	85	0	47	390	152	0	106	57	27	0	35	234	44	0	1220
08:45 AM	8	33	102	0	30	381	125	0	100	52	34	0	45	224	19	0	1153
Total	46	155	402	0	197	1409	542	0	333	172	118	0	133	915	145	0	4567
Grand Total	79	315	697	0	378	2581	1027	0	605	287	176	0	223	1652	206	0	8226
Apprch %	7.2	28.9	63.9	0.0	9.5	64.8	25.8	0.0	56.6	26.9	16.5	0.0	10.7	79.4	9.9	0.0	
Total %	1.0	3.8	8.5	0.0	4.6	31.4	12.5	0.0	7.4	3.5	2.1	0.0	2.7	20.1	2.5	0.0	

	San Ramon Valley From North					Crow Canyon From East					San Ramon Valley From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	46	155	402	0	603	197	1409	542	0	2148	333	172	118	0	623	133	915	145	0	1193	4567
Percent	7.6	25.7	66.7	0.0		9.2	65.6	25.2	0.0		53.5	27.6	18.9	0.0		11.1	76.7	12.2	0.0		
08:30 Volume	15	28	85	0	128	47	390	152	0	589	106	57	27	0	190	35	234	44	0	313	1220
Peak Factor																					0.936
High Int.	08:00 AM					08:30 AM					08:30 AM					08:30 AM					
Volume	7	51	117	0	175	47	390	152	0	589	106	57	27	0	190	35	234	44	0	313	
Peak Factor					0.861					0.912					0.820					0.953	

PHA Transportation Consultants
(510) 848-9233

File Name : 3pm
Site Code : 00000003
Start Date : 05/29/2008
Page No : 1

San Ramon Valley/Crow Canyon - San Ramon

Groups Printed- Unshifted

	San Ramon Valley From North				Crow Canyon From East				San Ramon Valley From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	12	68	116	0	77	301	185	0	106	86	35	0	13	245	43	0	1287
04:15 PM	24	80	119	0	63	328	165	0	119	98	58	0	18	229	45	0	1346
04:30 PM	25	95	147	0	77	310	119	0	187	125	33	0	22	264	54	0	1458
04:45 PM	19	82	127	0	90	244	185	0	157	124	59	0	22	281	71	0	1461
Total	80	325	509	0	307	1183	654	0	569	433	185	0	75	1019	213	0	5552
05:00 PM	21	59	110	0	53	284	140	0	128	107	47	0	21	227	64	0	1261
05:15 PM	43	72	126	0	109	355	118	0	141	86	42	0	37	291	52	0	1472
05:30 PM	23	92	135	0	89	328	148	0	130	136	45	0	23	250	80	0	1479
05:45 PM	16	95	121	0	122	354	199	0	155	120	67	0	25	263	53	0	1590
Total	103	318	492	0	373	1321	605	0	554	449	201	0	106	1031	249	0	5802
Grand Total	183	643	1001	0	680	2504	1259	0	1123	882	386	0	181	2050	462	0	11354
Apprch %	10.0	35.2	54.8	0.0	15.3	56.4	28.3	0.0	47.0	36.9	16.1	0.0	6.7	76.1	17.2	0.0	
Total %	1.6	5.7	8.8	0.0	6.0	22.1	11.1	0.0	9.9	7.8	3.4	0.0	1.6	18.1	4.1	0.0	

	San Ramon Valley From North					Crow Canyon From East					San Ramon Valley From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	05:00 PM																				
Volume	103	318	492	0	913	373	1321	605	0	2299	554	449	201	0	1204	106	1031	249	0	1386	5802
Percent	11.3	34.8	53.9	0.0		16.2	57.5	26.3	0.0		46.0	37.3	16.7	0.0		7.6	74.4	18.0	0.0		
05:45 Volume	16	95	121	0	232	122	354	199	0	675	155	120	67	0	342	25	263	53	0	341	1590
Peak Factor																					0.912
High Int.	05:30 PM					05:45 PM					05:45 PM					05:15 PM					
Volume	23	92	135	0	250	122	354	199	0	675	155	120	67	0	342	37	291	52	0	380	
Peak Factor					0.913					0.851					0.880					0.912	

PHA Transportation Consultants
(510) 848-9233

File Name : 6am-ab
Site Code : 00000006
Start Date : 05/21/2008
Page No : 1

Crow Canyon/Crow Canyon Pl - San Ramon

Groups Printed- Unshifted

	Crow Canyon Pl From North				Crow Canyon From East				Crow Canyon Pl From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	54	13	9	0	28	338	18	0	7	7	29	0	73	290	38	0	904
07:15 AM	58	8	20	0	27	437	10	0	7	7	49	0	88	357	52	0	1120
07:30 AM	75	17	26	0	43	361	9	0	5	9	43	0	166	459	83	0	1296
07:45 AM	79	6	23	0	30	419	12	0	5	9	53	0	160	472	80	0	1348
Total	266	44	78	0	128	1555	49	0	24	32	174	0	487	1578	253	0	4668
08:00 AM	101	26	29	0	29	397	37	0	10	7	39	0	173	489	123	0	1460
08:15 AM	68	21	32	0	27	441	23	0	9	17	52	0	118	467	77	0	1352
08:30 AM	60	22	29	0	39	437	44	0	15	20	29	0	201	531	104	0	1531
08:45 AM	65	28	51	0	24	405	30	0	16	12	61	0	270	502	110	0	1574
Total	294	97	141	0	119	1680	134	0	50	56	181	0	762	1989	414	0	5917
Grand Total	560	141	219	0	247	3235	183	0	74	88	355	0	1249	3567	667	0	10585
Apprch %	60.9	15.3	23.8	0.0	6.7	88.3	5.0	0.0	14.3	17.0	68.7	0.0	22.8	65.1	12.2	0.0	
Total %	5.3	1.3	2.1	0.0	2.3	30.6	1.7	0.0	0.7	0.8	3.4	0.0	11.8	33.7	6.3	0.0	

	Crow Canyon Pl From North					Crow Canyon From East					Crow Canyon Pl From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	294	97	141	0	532	119	1680	134	0	1933	50	56	181	0	287	762	1989	414	0	3165	5917
Percent	55.3	18.2	26.5	0.0		6.2	86.9	6.9	0.0		17.4	19.5	63.1	0.0		24.1	62.8	13.1	0.0		
08:45 Volume	65	28	51	0	144	24	405	30	0	459	16	12	61	0	89	270	502	110	0	882	1574
Peak Factor																					0.940
High Int.	08:00 AM					08:30 AM					08:45 AM					08:45 AM					
Volume	101	26	29	0	156	39	437	44	0	520	16	12	61	0	89	270	502	110	0	882	
Peak Factor					0.853					0.929					0.806					0.897	

PHA Transportation Consultants
(510) 848-9233

File Name : 6pm-ab
Site Code : 00000006
Start Date : 05/21/2008
Page No : 1

Crow Canyon/Crow Canyon Pl - San Ramon

Groups Printed- Unshifted

	Crow Canyon Pl From North				Crow Canyon From East				Crow Canyon Pl From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	67	26	31	0	30	448	17	0	29	40	146	0	152	417	245	0	1648
04:15 PM	123	32	24	0	24	447	19	0	30	33	190	0	179	316	151	0	1568
04:30 PM	91	33	48	0	33	555	25	0	40	42	136	0	126	396	156	0	1681
04:45 PM	132	15	55	0	26	479	21	0	38	57	148	0	176	302	145	0	1594
Total	413	106	158	0	113	1929	82	0	137	172	620	0	633	1431	697	0	6491
05:00 PM	130	59	41	0	26	499	20	0	35	39	178	0	145	435	178	0	1785
05:15 PM	133	36	69	0	30	414	25	0	61	44	145	0	230	435	146	0	1768
05:30 PM	101	36	48	0	30	462	20	0	47	28	101	0	154	482	205	0	1714
05:45 PM	102	35	32	0	25	341	23	0	39	71	152	0	137	432	161	0	1550
Total	466	166	190	0	111	1716	88	0	182	182	576	0	666	1784	690	0	6817
Grand Total	879	272	348	0	224	3645	170	0	319	354	1196	0	1299	3215	1387	0	13308
Apprch %	58.6	18.1	23.2	0.0	5.5	90.2	4.2	0.0	17.1	18.9	64.0	0.0	22.0	54.5	23.5	0.0	
Total %	6.6	2.0	2.6	0.0	1.7	27.4	1.3	0.0	2.4	2.7	9.0	0.0	9.8	24.2	10.4	0.0	

	Crow Canyon Pl From North					Crow Canyon From East					Crow Canyon Pl From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	496	146	213	0	855	112	1854	86	0	2052	181	168	572	0	921	705	1654	674	0	3033	6861
Percent	58.0	17.1	24.9	0.0		5.5	90.4	4.2	0.0		19.7	18.2	62.1	0.0		23.2	54.5	22.2	0.0		
05:00 Volume	130	59	41	0	230	26	499	20	0	545	35	39	178	0	252	145	435	178	0	758	1785
Peak Factor																					0.961
High Int.	05:15 PM					05:00 PM					05:00 PM					05:30 PM					
Volume	133	36	69	0	238	26	499	20	0	545	35	39	178	0	252	154	482	205	0	841	
Peak Factor					0.898					0.941					0.914					0.902	

PHA Transportation Consultants
(510) 848-9233

File Name : 7am
Site Code : 00000007
Start Date : 05/21/2008
Page No : 1

Crow Canyon/Camino Ramon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Crow Canyon From East				Camino Ramon From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	RTOR	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	5	9	3	0	13	264	29	0	2	4	13	0	96	205	22	12	677
07:15 AM	9	12	15	0	27	332	38	0	1	5	14	0	112	244	21	13	843
07:30 AM	12	14	12	0	34	345	42	0	5	9	18	0	148	310	33	13	995
07:45 AM	5	14	13	0	26	389	50	0	12	7	21	0	125	351	25	13	1051
Total	31	49	43	0	100	1330	159	0	20	25	66	0	481	1110	101	51	3566
08:00 AM	9	30	20	0	49	416	82	0	8	15	28	0	197	332	33	8	1227
08:15 AM	11	15	14	0	48	402	67	0	6	26	41	0	157	341	42	35	1205
08:30 AM	9	19	16	0	39	402	62	0	7	5	23	0	117	392	28	10	1129
08:45 AM	8	25	24	0	42	385	66	0	15	20	34	0	104	410	37	8	1178
Total	37	89	74	0	178	1605	277	0	36	66	126	0	575	1475	140	61	4739
Grand Total	68	138	117	0	278	2935	436	0	56	91	192	0	1056	2585	241	112	8305
Apprch %	21.1	42.7	36.2	0.0	7.6	80.4	11.9	0.0	16.5	26.8	56.6	0.0	26.4	64.7	6.0	2.8	
Total %	0.8	1.7	1.4	0.0	3.3	35.3	5.2	0.0	0.7	1.1	2.3	0.0	12.7	31.1	2.9	1.3	

	Camino Ramon From North					Crow Canyon From East					Camino Ramon From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	RTOR	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	37	89	74	0	200	178	1605	277	0	2060	36	66	126	0	228	575	1475	140	61	2251	4739
Percent	18.5	44.5	37.0	0.0		8.6	77.9	13.4	0.0		15.8	28.9	55.3	0.0		25.5	65.5	6.2	2.7		
08:00 Volume	9	30	20	0	59	49	416	82	0	547	8	15	28	0	51	197	332	33	8	570	1227
Peak Factor																					0.966
High Int.	08:00 AM					08:00 AM					08:15 AM					08:15 AM					
Volume	9	30	20	0	59	49	416	82	0	547	6	26	41	0	73	157	341	42	35	575	
Peak Factor					0.847					0.941					0.781					0.979	

PHA Transportation Consultants
(510) 848-9233

File Name : 7pm
Site Code : 00000007
Start Date : 05/21/2008
Page No : 1

Fostoria Way/Crow Canyon Pl-Camoino Ramon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Crow Canyon From East				Camino Ramon From South				Crow Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	RTO R	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	16	29	32	0	63	290	38	0	14	30	108	0	55	401	36	5	1117
04:15 PM	45	58	69	0	84	314	31	0	23	73	117	0	51	334	37	19	1255
04:30 PM	22	67	85	0	94	333	40	0	21	95	147	0	41	408	40	13	1406
04:45 PM	30	51	74	0	80	302	24	0	21	85	126	0	54	347	25	21	1240
Total	113	205	260	0	321	1239	133	0	79	283	498	0	201	1490	138	58	5018
05:00 PM	26	45	72	0	41	280	30	0	23	104	134	0	37	433	23	12	1260
05:15 PM	17	32	52	2	71	264	32	0	21	80	113	0	40	46	41	18	829
05:30 PM	34	30	74	0	55	235	17	0	23	9	106	0	41	504	45	11	1184
05:45 PM	34	42	59	0	59	253	28	0	25	54	92	0	58	435	27	19	1185
Total	111	149	257	2	226	1032	107	0	92	247	445	0	176	1418	136	60	4458
Grand Total	224	354	517	2	547	2271	240	0	171	530	943	0	377	2908	274	118	9476
Apprch %	20.4	32.3	47.1	0.2	17.9	74.3	7.8	0.0	10.4	32.2	57.4	0.0	10.3	79.1	7.5	3.2	
Total %	2.4	3.7	5.5	0.0	5.8	24.0	2.5	0.0	1.8	5.6	10.0	0.0	4.0	30.7	2.9	1.2	

	Camino Ramon From North					Crow Canyon From East					Camino Ramon From South					Crow Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	RT OR	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:15 PM																				
Volume	123	221	300	0	644	299	1229	125	0	1653	88	357	524	0	969	183	1522	125	65	1895	5161
Percent	19.1	34.3	46.6	0.0		18.1	74.3	7.6	0.0		9.1	36.8	54.1	0.0		9.7	80.3	6.6	3.4		
04:30 Volume	22	67	85	0	174	94	333	40	0	467	21	95	147	0	263	41	408	40	13	502	1406
Peak Factor																					0.918
High Int.	04:30 PM					04:30 PM					04:30 PM					05:00 PM					
Volume	22	67	85	0	174	94	333	40	0	467	21	95	147	0	263	37	433	23	12	505	
Peak Factor					0.925					0.885					0.921					0.938	

PHA Transportation Consultants
(510) 848-9233

File Name : 10am
Site Code : 00000010
Start Date : 05/29/2008
Page No : 1

San Ramon Valley/Norris Canyon - San Ramon

Groups Printed- Unshifted

	San Ramon Valley From North				Norris Canyon From East				San Ramon Valley From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	6	22	57	0	16	6	11	0	22	13	2	0	7	33	5	0	200
07:15 AM	6	19	73	0	24	9	11	0	23	28	5	0	13	34	12	0	257
07:30 AM	3	27	78	0	25	20	19	0	15	45	8	0	12	64	11	0	327
07:45 AM	10	40	109	0	34	27	17	0	39	46	13	0	15	98	17	0	465
Total	25	108	317	0	99	62	58	0	99	132	28	0	47	229	45	0	1249
08:00 AM	5	35	119	0	54	45	29	0	80	47	14	0	19	212	20	0	679
08:15 AM	6	52	104	0	50	51	35	0	50	71	12	0	25	120	15	0	591
08:30 AM	6	48	95	0	40	26	18	0	71	90	16	0	18	106	19	0	553
08:45 AM	12	34	68	0	72	15	38	0	56	90	12	0	13	48	16	0	474
Total	29	169	386	0	216	137	120	0	257	298	54	0	75	486	70	0	2297
Grand Total	54	277	703	0	315	199	178	0	356	430	82	0	122	715	115	0	3546
Apprch %	5.2	26.8	68.0	0.0	45.5	28.8	25.7	0.0	41.0	49.5	9.4	0.0	12.8	75.1	12.1	0.0	
Total %	1.5	7.8	19.8	0.0	8.9	5.6	5.0	0.0	10.0	12.1	2.3	0.0	3.4	20.2	3.2	0.0	

	San Ramon Valley From North					Norris Canyon From East					San Ramon Valley From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	29	169	386	0	584	216	137	120	0	473	257	298	54	0	609	75	486	70	0	631	2297
Percent	5.0	28.9	66.1	0.0		45.7	29.0	25.4	0.0		42.2	48.9	8.9	0.0		11.9	77.0	11.1	0.0		
08:00 Volume	5	35	119	0	159	54	45	29	0	128	80	47	14	0	141	19	212	20	0	251	679
Peak Factor																					0.846
High Int.	08:15 AM					08:15 AM					08:30 AM					08:00 AM					
Volume	6	52	104	0	162	50	51	35	0	136	71	90	16	0	177	19	212	20	0	251	
Peak Factor					0.901					0.869					0.860					0.628	

PHA Transportation Consultants
(510) 848-9233

File Name : 10pm
Site Code : 00000010
Start Date : 05/29/2008
Page No : 1

San Ramon Valley/Norris Canyon - San Ramon

Groups Printed- Unshifted

	San Ramon Valley From North				Norris Canyon From East				San Ramon Valley From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	5	71	32	0	65	27	51	0	9	42	7	0	9	21	6	0	345
04:15 PM	14	83	54	0	92	50	35	0	13	78	19	0	12	28	16	0	494
04:30 PM	14	99	39	0	94	61	64	0	16	64	14	0	19	34	14	0	532
04:45 PM	18	126	43	0	83	73	55	0	27	109	15	0	10	34	22	0	615
Total	51	379	168	0	334	211	205	0	65	293	55	0	50	117	58	0	1986
05:00 PM	16	78	49	0	121	73	86	0	15	77	21	0	21	35	7	0	599
05:15 PM	12	63	40	0	118	64	68	0	16	68	9	0	6	46	14	0	524
05:30 PM	17	93	74	0	101	65	74	0	19	86	13	0	10	40	13	0	605
05:45 PM	19	88	59	0	101	67	54	0	27	91	17	0	11	40	7	0	581
Total	64	322	222	0	441	269	282	0	77	322	60	0	48	161	41	0	2309
Grand Total	115	701	390	0	775	480	487	0	142	615	115	0	98	278	99	0	4295
Apprch %	9.5	58.1	32.3	0.0	44.5	27.6	28.0	0.0	16.3	70.5	13.2	0.0	20.6	58.5	20.8	0.0	
Total %	2.7	16.3	9.1	0.0	18.0	11.2	11.3	0.0	3.3	14.3	2.7	0.0	2.3	6.5	2.3	0.0	

	San Ramon Valley From North					Norris Canyon From East					San Ramon Valley From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	63	360	206	0	629	423	275	283	0	981	77	340	58	0	475	47	155	56	0	258	2343
Percent	10.0	57.2	32.8	0.0		43.1	28.0	28.8	0.0		16.2	71.6	12.2	0.0		18.2	60.1	21.7	0.0		
04:45 Volume	18	126	43	0	187	83	73	55	0	211	27	109	15	0	151	10	34	22	0	66	615
Peak Factor																					0.952
High Int.	04:45 PM					05:00 PM					04:45 PM					04:45 PM					
Volume	18	126	43	0	187	121	73	86	0	280	27	109	15	0	151	10	34	22	0	66	
Peak Factor					0.841					0.876					0.786					0.977	

PHA Transportation Consultants
(510) 848-9233

File Name : 11am
Site Code : 00000011
Start Date : 05/29/2008
Page No : 1

Norris Canyon/Bishop-Annabel - San Ramon

Groups Printed- Unshifted

	Annable From North				Norris Canyon From East				Bishop From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	1	2	1	0	4	40	10	0	2	2	5	0	76	63	18	0	224
07:15 AM	0	1	0	0	3	43	11	0	1	0	6	0	57	81	13	0	216
07:30 AM	1	1	1	0	6	59	11	0	4	0	6	0	86	116	18	0	309
07:45 AM	2	3	1	0	10	69	4	0	5	1	3	0	107	137	13	0	355
Total	4	7	3	0	23	211	36	0	12	3	20	0	326	397	62	0	1104
08:00 AM	2	3	1	0	7	109	18	0	2	2	10	0	196	253	23	0	626
08:15 AM	1	2	3	0	9	130	11	0	3	4	22	0	117	181	9	0	492
08:30 AM	0	0	2	0	4	68	15	0	7	0	8	0	103	180	23	0	410
08:45 AM	2	2	2	0	9	103	16	0	10	0	12	0	66	103	8	0	333
Total	5	7	8	0	29	410	60	0	22	6	52	0	482	717	63	0	1861
Grand Total	9	14	11	0	52	621	96	0	34	9	72	0	808	1114	125	0	2965
Apprch %	26.5	41.2	32.4	0.0	6.8	80.8	12.5	0.0	29.6	7.8	62.6	0.0	39.5	54.4	6.1	0.0	
Total %	0.3	0.5	0.4	0.0	1.8	20.9	3.2	0.0	1.1	0.3	2.4	0.0	27.3	37.6	4.2	0.0	

	Annable From North					Norris Canyon From East					Bishop From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	5	8	7	0	20	30	376	48	0	454	17	7	43	0	67	523	751	68	0	1342	1883
Percent	25.0	40.0	35.0	0.0		6.6	82.8	10.6	0.0		25.4	10.4	64.2	0.0		39.0	56.0	5.1	0.0		
08:00 Volume	2	3	1	0	6	7	109	18	0	134	2	2	10	0	14	196	253	23	0	472	626
Peak Factor																					0.752
High Int.	07:45 AM					08:15 AM					08:15 AM					08:00 AM					
Volume	2	3	1	0	6	9	130	11	0	150	3	4	22	0	29	196	253	23	0	472	
Peak Factor					0.833					0.757					0.578					0.711	

PHA Transportation Consultants
(510) 848-9233

File Name : 11pm
Site Code : 00000011
Start Date : 05/29/2008
Page No : 1

Norris Canyon.Bishop-Annabel - San Ramon

Groups Printed- Unshifted

	Annabel From North				Norris Canyon From East				Bishop From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	24	2	4	0	8	116	10	0	22	2	92	0	23	88	6	0	397
04:15 PM	9	2	4	0	7	125	12	0	17	1	73	0	26	87	1	0	364
04:30 PM	14	3	6	0	12	134	8	0	22	3	95	0	18	79	7	0	401
04:45 PM	13	2	8	0	6	131	7	0	24	2	101	0	20	90	1	0	405
Total	60	9	22	0	33	506	37	0	85	8	361	0	87	344	15	0	1567
05:00 PM	45	2	9	0	5	236	6	0	30	3	131	0	25	104	3	0	599
05:15 PM	17	3	5	0	5	184	11	0	18	1	112	0	24	120	2	0	502
05:30 PM	19	2	8	0	5	191	5	0	19	1	102	0	25	98	1	0	476
05:45 PM	9	3	13	0	4	126	13	0	21	0	85	0	33	103	1	0	411
Total	90	10	35	0	19	737	35	0	88	5	430	0	107	425	7	0	1988
Grand Total	150	19	57	0	52	1243	72	0	173	13	791	0	194	769	22	0	3555
Apprch %	66.4	8.4	25.2	0.0	3.8	90.9	5.3	0.0	17.7	1.3	81.0	0.0	19.7	78.1	2.2	0.0	
Total %	4.2	0.5	1.6	0.0	1.5	35.0	2.0	0.0	4.9	0.4	22.3	0.0	5.5	21.6	0.6	0.0	

	Annabel From North					Norris Canyon From East					Bishop From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	05:00 PM																				
Volume	90	10	35	0	135	19	737	35	0	791	88	5	430	0	523	107	425	7	0	539	1988
Percent	66.7	7.4	25.9	0.0		2.4	93.2	4.4	0.0		16.8	1.0	82.2	0.0		19.9	78.8	1.3	0.0		
05:00 Volume	45	2	9	0	56	5	236	6	0	247	30	3	131	0	164	25	104	3	0	132	599
Peak Factor																					0.830
High Int.	05:00 PM					05:00 PM					05:00 PM					05:15 PM					
Volume	45	2	9	0	56	5	236	6	0	247	30	3	131	0	164	24	120	2	0	146	
Peak Factor					0.603					0.801					0.797					0.923	

PHA Transportation Consultants
(510) 848-9233

File Name : 12am
Site Code : 00000012
Start Date : 05/29/2008
Page No : 1

Camino Ramon/Norris Canyon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Norris Canyon From East				Camino Ramon From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	14	90	23	0	5	23	13	0	3	13	1	0	9	36	12	0	242
07:15 AM	20	119	23	0	13	49	14	0	7	14	11	0	22	57	7	0	356
07:30 AM	17	143	32	0	18	46	19	0	10	14	7	0	17	68	15	0	406
07:45 AM	29	167	34	0	16	63	34	0	6	13	12	0	33	58	23	0	488
Total	80	519	112	0	52	181	80	0	26	54	31	0	81	219	57	0	1492
08:00 AM	16	137	47	0	32	105	33	0	12	31	44	0	60	157	25	0	699
08:15 AM	23	109	42	0	23	69	29	0	13	33	10	0	26	74	14	0	465
08:30 AM	31	106	65	0	30	65	26	0	10	27	11	0	21	40	22	0	454
08:45 AM	26	94	51	0	22	58	23	0	8	21	8	0	23	29	17	0	380
Total	96	446	205	0	107	297	111	0	43	112	73	0	130	300	78	0	1998
Grand Total	176	965	317	0	159	478	191	0	69	166	104	0	211	519	135	0	3490
Apprch %	12.1	66.2	21.7	0.0	19.2	57.7	23.1	0.0	20.4	49.0	30.7	0.0	24.4	60.0	15.6	0.0	
Total %	5.0	27.7	9.1	0.0	4.6	13.7	5.5	0.0	2.0	4.8	3.0	0.0	6.0	14.9	3.9	0.0	

	Camino Ramon From North					Norris Canyon From East					Camino Ramon From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	99	519	188	0	806	101	302	122	0	525	41	104	77	0	222	140	329	84	0	553	2106
Percent	12.3	64.4	23.3	0.0		19.2	57.5	23.2	0.0		18.5	46.8	34.7	0.0		25.3	59.5	15.2	0.0		
08:00 Volume	16	137	47	0	200	32	105	33	0	170	12	31	44	0	87	60	157	25	0	242	699
Peak Factor																					0.753
High Int.	07:45 AM					08:00 AM					08:00 AM					08:00 AM					
Volume	29	167	34	0	230	32	105	33	0	170	12	31	44	0	87	60	157	25	0	242	
Peak Factor					0.876					0.772					0.638					0.571	

PHA Transportation Consultants
(510) 848-9233

File Name : 12pm
Site Code : 00000012
Start Date : 05/29/2008
Page No : 1

amino Ramon/Norris Canyon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Norris Canyon From East				Camino Ramon From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	26	72	26	0	43	73	8	1	22	155	23	0	7	46	35	0	537
04:15 PM	34	78	32	0	47	82	13	6	35	113	23	0	12	60	28	0	563
04:30 PM	30	70	30	0	45	63	9	0	35	149	40	0	5	59	31	0	566
04:45 PM	35	67	24	0	44	93	8	0	46	125	47	0	8	68	26	0	591
Total	125	287	112	0	179	311	38	7	138	542	133	0	32	233	120	0	2257
05:00 PM	48	65	33	0	68	111	9	0	45	151	56	0	9	83	21	0	699
05:15 PM	32	78	37	0	35	110	7	0	34	154	52	0	14	93	27	0	673
05:30 PM	30	53	21	0	28	86	7	0	53	129	24	0	15	100	23	0	569
05:45 PM	26	61	33	0	29	81	4	0	39	118	31	0	11	84	19	0	536
Total	136	257	124	0	160	388	27	0	171	552	163	0	49	360	90	0	2477
Grand Total	261	544	236	0	339	699	65	7	309	1094	296	0	81	593	210	0	4734
Apprch %	25.1	52.3	22.7	0.0	30.5	63.0	5.9	0.6	18.2	64.4	17.4	0.0	9.2	67.1	23.8	0.0	
Total %	5.5	11.5	5.0	0.0	7.2	14.8	1.4	0.1	6.5	23.1	6.3	0.0	1.7	12.5	4.4	0.0	

	Camino Ramon From North					Norris Canyon From East					Camino Ramon From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	145	263	115	0	523	175	400	31	0	606	178	559	179	0	916	46	344	97	0	487	2532
Percent	27.7	50.3	22.0	0.0		28.9	66.0	5.1	0.0		19.4	61.0	19.5	0.0		9.4	70.6	19.9	0.0		
05:00 Volume	48	65	33	0	146	68	111	9	0	188	45	151	56	0	252	9	83	21	0	113	699
Peak Factor																					0.906
High Int.	05:15 PM					05:00 PM					05:00 PM					05:30 PM					
Volume	32	78	37	0	147	68	111	9	0	188	45	151	56	0	252	15	100	23	0	138	
Peak Factor					0.889					0.806					0.909					0.882	

PHA Transportation Consultants
(510) 848-9233

File Name : 13em
Site Code : 00000013
Start Date : 05/29/2008
Page No : 1

Alcosta/Norris Canyon - San Ramon

Groups Printed- Unshifted

	Alcosta From North				Norris Canyon From East				Alcosta From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	33	49	49	0	9	4	2	1	6	25	16	0	17	4	5	0	220
07:15 AM	34	51	30	0	7	4	2	0	4	34	38	0	47	12	12	0	275
07:30 AM	36	54	40	0	14	14	6	0	6	40	43	0	28	4	23	0	308
07:45 AM	48	62	40	3	14	9	6	1	6	28	51	0	42	6	4	0	320
Total	151	216	159	3	44	31	16	2	22	127	148	0	134	26	44	0	1123
08:00 AM	84	124	58	0	12	7	10	0	3	91	91	0	110	16	12	0	618
08:15 AM	61	71	59	1	14	5	2	0	5	84	87	0	33	15	23	0	460
08:30 AM	44	61	54	0	21	11	1	0	15	49	63	0	21	20	13	0	373
08:45 AM	63	72	73	0	11	6	3	1	27	54	49	0	18	21	19	0	417
Total	252	328	244	1	58	29	16	1	50	278	290	0	182	72	67	0	1868
Grand Total	403	544	403	4	102	60	32	3	72	405	438	0	316	98	111	0	2991
Apprch %	29.8	40.2	29.8	0.3	51.8	30.5	16.2	1.5	7.9	44.3	47.9	0.0	60.2	18.7	21.1	0.0	
Total %	13.5	18.2	13.5	0.1	3.4	2.0	1.1	0.1	2.4	13.5	14.6	0.0	10.6	3.3	3.7	0.0	

	Alcosta From North					Norris Canyon From East					Alcosta From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	252	328	244	1	825	58	29	16	1	104	50	278	290	0	618	182	72	67	0	321	1868
Percent	30.5	39.8	29.6	0.1		55.8	27.9	15.4	1.0		8.1	45.0	46.9	0.0		56.7	22.4	20.9	0.0		
08:00 Volume	84	124	58	0	266	12	7	10	0	29	3	91	91	0	185	110	16	12	0	138	618
Peak Factor																					0.756
High Int.	08:00 AM					08:30 AM					08:00 AM					08:00 AM					
Volume	84	124	58	0	266	21	11	1	0	33	3	91	91	0	185	110	16	12	0	138	
Peak Factor					0.775					0.788					0.835					0.582	

PHA Transportation Consultants
(510) 848-9233

File Name : 13pm
Site Code : 00000013
Start Date : 05/29/2008
Page No : 1

Alcosta/Norris Canyon - San Ramon

Groups Printed- Unshifted

	Alcosta From North				Norris Canyon From East				Alcosta From South				Norris Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	32	52	30	0	23	21	8	0	3	49	36	0	20	5	30	0	309
04:15 PM	34	60	21	0	40	33	14	0	5	57	37	0	37	11	81	0	430
04:30 PM	38	83	24	0	58	26	24	0	4	85	23	0	42	15	74	0	496
04:45 PM	36	83	21	0	45	27	14	0	3	107	38	0	38	5	80	0	497
Total	140	278	96	0	166	107	60	0	15	298	134	0	137	36	265	0	1732
05:00 PM	39	80	10	0	44	37	22	0	3	86	34	0	67	5	108	0	535
05:15 PM	39	113	12	0	42	18	16	0	1	71	42	0	92	18	62	0	526
05:30 PM	32	87	12	0	35	22	17	0	4	115	74	0	58	9	84	0	549
05:45 PM	10	63	19	0	29	6	6	0	1	45	42	0	42	9	72	0	344
Total	120	343	53	0	150	83	61	0	9	317	192	0	259	41	326	0	1954
Grand Total	260	621	149	0	316	190	121	0	24	615	326	0	396	77	591	0	3686
Apprch %	25.2	60.3	14.5	0.0	50.4	30.3	19.3	0.0	2.5	63.7	33.8	0.0	37.2	7.2	55.5	0.0	
Total %	7.1	16.8	4.0	0.0	8.6	5.2	3.3	0.0	0.7	16.7	8.8	0.0	10.7	2.1	16.0	0.0	

	Alcosta From North					Norris Canyon From East					Alcosta From South					Norris Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	146	363	55	0	564	166	104	69	0	339	11	379	188	0	578	255	37	334	0	626	2107
Percent	25.9	64.4	9.8	0.0		49.0	30.7	20.4	0.0		1.9	65.6	32.5	0.0		40.7	5.9	53.4	0.0		
05:30 Volume	32	87	12	0	131	35	22	17	0	74	4	115	74	0	193	58	9	84	0	151	549
Peak Factor																					0.959
High Int.	05:15 PM					05:00 PM					05:30 PM					05:00 PM					
Volume	39	113	12	0	164	44	37	22	0	103	4	115	74	0	193	67	5	108	0	180	
Peak Factor					0.860					0.823					0.749					0.869	

PHA Transportation Consultants
(510) 848-9233

File Name : 18pm-ab
Site Code : 00000018
Start Date : 06/12/2008
Page No : 1

Bollinger Canyon/Camino Ramon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Bollinger Canyon From East				Chevron Drwy From South				Bollinger Canyon From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	90	6	115	0	55	237	5	0	7	9	69	0	9	313	25	0	940
04:15 PM	113	6	112	0	48	231	8	0	17	6	66	0	9	333	30	0	979
04:30 PM	146	13	118	0	53	262	12	0	18	15	62	0	9	336	34	0	1078
04:45 PM	147	11	142	0	61	276	11	0	23	12	59	0	8	410	27	0	1187
Total	496	36	487	0	217	1006	36	0	65	42	256	0	35	1392	116	0	4184
05:00 PM	~~213~~ 183	11	143	0	73	287	21	0	25	18	96	0	9	428	38	0	1362
05:15 PM	120	11	152	0	33	284	12	0	25	20	80	0	5	483	33	0	1258
05:30 PM	140	18	184	0	75	240	22	0	47	27	105	0	5	498	22	0	1383
05:45 PM	103	11	105	0	63	262	21	0	34	16	62	0	2	491	16	0	1186
Total	576	51	584	0	244	1073	76	0	131	81	343	0	21	1900	109	0	5189
Grand Total	1072	87	1071	0	461	2079	112	0	196	123	599	0	56	3292	225	0	9373
Apprch %	48.1	3.9	48.0	0.0	17.4	78.4	4.2	0.0	21.4	13.4	65.3	0.0	1.6	92.1	6.3	0.0	
Total %	11.4	0.9	11.4	0.0	4.9	22.2	1.2	0.0	2.1	1.3	6.4	0.0	0.6	35.1	2.4	0.0	

	Camino Ramon From North					Bollinger Canyon From East					Chevron Drwy From South					Bollinger Canyon From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	620	51	621	0	1292	242	1087	66	0	1395	120	77	340	0	537	27	1819	120	0	1966	5190
Percent	48.0	3.9	48.1	0.0		17.3	77.9	4.7	0.0		22.3	14.3	63.3	0.0		1.4	92.5	6.1	0.0		
05:30 Volume	140	18	184	0	342	75	240	22	0	337	47	27	105	0	179	5	498	22	0	525	1383
Peak Factor																					0.938
High Int.	05:00 PM					05:00 PM					05:30 PM					05:30 PM					
Volume	213	11	143	0	367	73	287	21	0	381	47	27	105	0	179	5	498	22	0	525	
Peak Factor					0.880					0.915					0.750					0.936	

PHA Transportation Consultants
(510) 848-9233

File Name : 25am
Site Code : 00000025
Start Date : 05/20/2008
Page No : 1

Fostoria Way/Crow Canyon Pl-Camoino Ramon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Fostoria Way From East				Crow Canyon Pl From South				Fostoria Way From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	8	36	7	0	5	13	5	0	7	14	3	0	10	15	2	0	125
07:15 AM	2	45	3	0	3	19	10	0	11	5	5	0	25	18	0	0	146
07:30 AM	6	48	6	0	9	18	9	0	12	18	4	0	23	25	4	0	182
07:45 AM	11	58	3	0	4	30	13	0	15	25	5	0	23	26	8	0	221
Total	27	187	19	0	21	80	37	0	45	62	17	0	81	84	14	0	674
08:00 AM	14	43	11	0	3	30	16	0	15	35	14	0	25	38	1	0	245
08:15 AM	10	51	12	0	20	34	7	0	17	56	29	0	28	32	8	0	304
08:30 AM	3	61	19	0	17	29	13	0	13	48	23	0	30	29	7	0	292
08:45 AM	5	82	16	0	20	32	9	0	18	45	13	0	18	27	7	0	292
Total	32	237	58	0	60	125	45	0	63	184	79	0	101	126	23	0	1133
Grand Total	59	424	77	0	81	205	82	0	108	246	96	0	182	210	37	0	1807
Apprch %	10.5	75.7	13.8	0.0	22.0	55.7	22.3	0.0	24.0	54.7	21.3	0.0	42.4	49.0	8.6	0.0	
Total %	3.3	23.5	4.3	0.0	4.5	11.3	4.5	0.0	6.0	13.6	5.3	0.0	10.1	11.6	2.0	0.0	

	Camino Ramon From North					Fostoria Way From East					Crow Canyon Pl From South					Fostoria Way From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	32	237	58	0	327	60	125	45	0	230	63	184	79	0	326	101	126	23	0	250	1133
Percent	9.8	72.5	17.7	0.0		26.1	54.3	19.6	0.0		19.3	56.4	24.2	0.0		40.4	50.4	9.2	0.0		
08:15 Volume	10	51	12	0	73	20	34	7	0	61	17	56	29	0	102	28	32	8	0	68	304
Peak Factor																					0.932
High Int.	08:45 AM					08:15 AM					08:15 AM					08:15 AM					
Volume	5	82	16	0	103	20	34	7	0	61	17	56	29	0	102	28	32	8	0	68	
Peak Factor					0.794					0.943					0.799					0.919	

PHA Transportation Consultants
(510) 848-9233

File Name : 25pm
Site Code : 00000025
Start Date : 05/20/2008
Page No : 1

Fostoria Way/Crow Canyo Pl-Camino Ramon - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Fostoria Way From East				Crow Canyon Pl From South				Fostoria Way From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	13	54	8	0	14	24	34	0	29	43	10	0	13	32	23	0	297
04:15 PM	24	38	7	0	20	36	18	0	27	45	22	0	18	31	21	0	307
04:30 PM	11	37	5	0	35	63	43	0	31	48	10	0	25	40	30	0	378
04:45 PM	11	62	19	0	23	54	33	0	47	84	18	0	19	53	27	0	450
Total	59	191	39	0	92	177	128	0	134	220	60	0	75	156	101	0	1432
05:00 PM	19	40	10	0	33	63	27	0	40	80	15	0	19	80	28	0	454
05:15 PM	21	66	15	0	32	61	51	0	43	128	17	0	26	67	21	0	548
05:30 PM	19	45	11	0	36	67	47	0	48	104	16	0	25	47	23	0	488
05:45 PM	7	54	9	0	23	49	31	0	53	81	16	0	21	69	16	0	429
Total	66	205	45	0	124	240	156	0	184	393	64	0	91	263	88	0	1919
Grand Total	125	396	84	0	216	417	284	0	318	613	124	0	166	419	189	0	3351
Apprch %	20.7	65.5	13.9	0.0	23.6	45.5	31.0	0.0	30.1	58.1	11.8	0.0	21.4	54.1	24.4	0.0	
Total %	3.7	11.8	2.5	0.0	6.4	12.4	8.5	0.0	9.5	18.3	3.7	0.0	5.0	12.5	5.6	0.0	

	Camino Ramon From North					Fostoria Way From East					Crow Canyon Pl From South					Fostoria Way From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	70	213	55	0	338	124	245	158	0	527	178	396	66	0	640	89	247	99	0	435	1940
Percent	20.7	63.0	16.3	0.0		23.5	46.5	30.0	0.0		27.8	61.9	10.3	0.0		20.5	56.8	22.8	0.0		
05:15 Volume	21	66	15	0	102	32	61	51	0	144	43	128	17	0	188	26	67	21	0	114	548
Peak Factor																					0.885
High Int.	05:15 PM					05:30 PM					05:15 PM					05:00 PM					
Volume	21	66	15	0	102	36	67	47	0	150	43	128	17	0	188	19	80	28	0	127	
Peak Factor					0.828					0.878					0.851					0.856	

PHA Transportation Consultants
(510) 848-9233

File Name : 26am
Site Code : 00000026
Start Date : 05/29/2008
Page No : 1

Camino Ramon/Executive Pkwy - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Executive Pkwy From East				Camino Ramon From South				Executive Pkwy From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	31	72	4	0	1	3	1	0	14	16	17	0	6	1	1	0	167
07:15 AM	46	68	10	0	0	3	3	0	26	31	29	0	5	1	0	0	222
07:30 AM	41	84	11	0	3	3	6	0	19	29	29	0	7	0	4	0	236
07:45 AM	51	111	14	0	9	8	4	0	41	44	49	0	8	8	2	0	349
Total	169	335	39	0	13	17	14	0	100	120	124	0	26	10	7	0	974
08:00 AM	47	90	37	0	28	8	40	0	45	54	66	0	1	33	3	0	452
08:15 AM	41	99	16	0	29	19	14	0	42	53	50	0	5	14	3	0	385
08:30 AM	30	74	7	0	3	4	6	0	35	61	63	0	2	3	8	0	296
08:45 AM	32	81	6	0	3	3	8	0	29	68	29	0	6	2	4	0	271
Total	150	344	66	0	63	34	68	0	151	236	208	0	14	52	18	0	1404
Grand Total	319	679	105	0	76	51	82	0	251	356	332	0	40	62	25	0	2378
Apprch %	28.9	61.6	9.5	0.0	36.4	24.4	39.2	0.0	26.7	37.9	35.4	0.0	31.5	48.8	19.7	0.0	
Total %	13.4	28.6	4.4	0.0	3.2	2.1	3.4	0.0	10.6	15.0	14.0	0.0	1.7	2.6	1.1	0.0	

	Camino Ramon From North					Executive Pkwy From East					Camino Ramon From South					Executive Pkwy From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	169	374	74	0	617	69	39	64	0	172	163	212	228	0	603	16	58	16	0	90	1482
Percent	27.4	60.6	12.0	0.0		40.1	22.7	37.2	0.0		27.0	35.2	37.8	0.0		17.8	64.4	17.8	0.0		
08:00 Volume	47	90	37	0	174	28	8	40	0	76	45	54	66	0	165	1	33	3	0	37	452
Peak Factor																					0.820
High Int.	07:45 AM					08:00 AM					08:00 AM					08:00 AM					
Volume	51	111	14	0	176	28	8	40	0	76	45	54	66	0	165	1	33	3	0	37	
Peak Factor					0.876					0.556					0.914					0.608	

PHA Transportation Consultants
(510) 848-9233

File Name : 26pm
Site Code : 00000026
Start Date : 05/29/2008
Page No : 1

Camino Ramon/Executive Pkwy - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Executive Plwy From East				Camino Ramon From South				Executive Plwy From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	9	82	6	0	13	2	20	0	4	117	6	0	12	7	38	0	316
04:15 PM	9	76	4	0	13	3	30	0	7	116	6	0	28	5	28	0	325
04:30 PM	8	88	1	0	16	2	45	0	4	114	8	0	49	2	53	0	390
04:45 PM	6	84	4	0	13	2	21	0	5	106	3	0	44	4	47	0	339
Total	32	330	15	0	55	9	116	0	20	453	23	0	133	18	166	0	1370
05:00 PM	5	92	4	0	43	6	47	0	3	130	8	0	38	7	56	0	439
05:15 PM	23	128	0	0	21	1	33	0	9	132	6	0	46	5	42	0	446
05:30 PM	8	93	5	0	18	3	20	0	10	121	2	0	40	4	42	0	366
05:45 PM	5	78	1	0	17	0	14	0	7	121	6	0	19	5	25	0	298
Total	41	391	10	0	99	10	114	0	29	504	22	0	143	21	165	0	1549
Grand Total	73	721	25	0	154	19	230	0	49	957	45	0	276	39	331	0	2919
Apprch %	8.9	88.0	3.1	0.0	38.2	4.7	57.1	0.0	4.7	91.1	4.3	0.0	42.7	6.0	51.2	0.0	
Total %	2.5	24.7	0.9	0.0	5.3	0.7	7.9	0.0	1.7	32.8	1.5	0.0	9.5	1.3	11.3	0.0	

	Camino Ramon From North					Executive Plwy From East					Camino Ramon From South					Executive Plwy From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:30 PM																				
Volume	42	392	9	0	443	93	11	146	0	250	21	482	25	0	528	177	18	198	0	393	1614
Percent	9.5	88.5	2.0	0.0		37.2	4.4	58.4	0.0		4.0	91.3	4.7	0.0		45.0	4.6	50.4	0.0		
05:15 Volume	23	128	0	0	151	21	1	33	0	55	9	132	6	0	147	46	5	42	0	93	446
Peak Factor																					0.905
High Int.	05:15 PM					05:00 PM					05:15 PM					04:30 PM					
Volume	23	128	0	0	151	43	6	47	0	96	9	132	6	0	147	49	2	53	0	104	
Peak Factor					0.733					0.651					0.898					0.945	

PHA Transportation Consultants
(510) 848-9233

File Name : 27am
Site Code : 00000027
Start Date : 06/05/2008
Page No : 1

Camino Ramon/Bishop - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Bishop From East				Camino Ramon From South				Bishop From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	2	20	2	0	0	0	2	0	15	116	5	0	2	0	9	0	173
07:15 AM	1	31	2	0	0	2	0	0	12	125	1	0	2	2	10	0	188
07:30 AM	6	33	4	0	1	0	1	0	12	178	5	0	4	1	9	0	254
07:45 AM	6	26	2	0	0	0	0	0	19	140	10	0	5	1	7	0	216
Total	15	110	10	0	1	2	3	0	58	559	21	0	13	4	35	0	831
08:00 AM	7	25	2	0	0	1	0	0	31	181	8	0	1	0	4	0	260
08:15 AM	9	30	4	0	0	0	0	0	14	123	11	0	3	1	5	0	200
08:30 AM	10	44	8	0	0	0	4	0	38	198	15	0	8	3	8	0	336
08:45 AM	6	38	3	0	0	1	0	0	18	203	15	0	3	1	10	0	298
Total	32	137	17	0	0	2	4	0	101	705	49	0	15	5	27	0	1094
Grand Total	47	247	27	0	1	4	7	0	159	1264	70	0	28	9	62	0	1925
Apprch %	14.6	76.9	8.4	0.0	8.3	33.3	58.3	0.0	10.6	84.7	4.7	0.0	28.3	9.1	62.6	0.0	
Total %	2.4	12.8	1.4	0.0	0.1	0.2	0.4	0.0	8.3	65.7	3.6	0.0	1.5	0.5	3.2	0.0	

	Camino Ramon From North					Bishop From East					Camino Ramon From South					Bishop From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	32	137	17	0	186	0	2	4	0	6	101	705	49	0	855	15	5	27	0	47	1094
Percent	17.2	73.7	9.1	0.0		0.0	33.3	66.7	0.0		11.8	82.5	5.7	0.0		31.9	10.6	57.4	0.0		
08:30 Volume	10	44	8	0	62	0	0	4	0	4	38	198	15	0	251	8	3	8	0	19	336
Peak Factor																					0.814
High Int.	08:30 AM					08:30 AM					08:30 AM					08:30 AM					
Volume	10	44	8	0	62	0	0	4	0	4	38	198	15	0	251	8	3	8	0	19	
Peak Factor					0.750					0.375					0.852					0.618	

PHA Transportation Consultants
(510) 848-9233

File Name : 27pm
Site Code : 00000027
Start Date : 06/05/2008
Page No : 1

Camino Ramon/Bishop - San Ramon

Groups Printed- Unshifted

	Camino Ramon From North				Bishop From East				Camino Ramon From South				Bishop From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	21	154	0	0	1	2	23	0	0	70	10	0	9	1	29	0	320
04:15 PM	16	151	1	0	6	5	21	0	0	61	7	0	15	0	23	0	306
04:30 PM	28	218	1	0	2	3	21	0	1	64	7	0	24	1	22	0	392
04:45 PM	27	214	0	0	0	4	23	0	3	52	6	0	22	0	24	0	375
Total	92	737	2	0	9	14	88	0	4	247	30	0	70	2	98	0	1393
05:00 PM	26	234	0	0	4	3	31	0	1	78	8	0	19	0	30	0	434
05:15 PM	30	279	1	0	5	6	36	0	0	66	10	0	32	0	41	0	506
05:30 PM	21	175	1	0	5	3	18	0	1	72	10	0	22	0	30	0	358
05:45 PM	22	195	0	0	0	3	19	0	0	62	12	0	32	1	42	0	388
Total	99	883	2	0	14	15	104	0	2	278	40	0	105	1	143	0	1686
Grand Total	191	1620	4	0	23	29	192	0	6	525	70	0	175	3	241	0	3079
Apprch %	10.5	89.3	0.2	0.0	9.4	11.9	78.7	0.0	1.0	87.4	11.6	0.0	41.8	0.7	57.5	0.0	
Total %	6.2	52.6	0.1	0.0	0.7	0.9	6.2	0.0	0.2	17.1	2.3	0.0	5.7	0.1	7.8	0.0	

	Camino Ramon From North					Bishop From East					Camino Ramon From South					Bishop From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:30 PM																				
Volume	111	945	2	0	1058	11	16	111	0	138	5	260	31	0	296	97	1	117	0	215	1707
Percent	10.5	89.3	0.2	0.0		8.0	11.6	80.4	0.0		1.7	87.8	10.5	0.0		45.1	0.5	54.4	0.0		
05:15 Volume	30	279	1	0	310	5	6	36	0	47	0	66	10	0	76	32	0	41	0	73	506
Peak Factor																					0.843
High Int.	05:15 PM					05:15 PM					05:00 PM					05:15 PM					
Volume	30	279	1	0	310	5	6	36	0	47	1	78	8	0	87	32	0	41	0	73	
Peak Factor					0.853					0.734					0.851					0.736	

PHA Transportation Consultants
(510) 848-9233

File Name : 39am
Site Code : 00000039
Start Date : 05/20/2008
Page No : 1

Fostoria Way/Camino Ramon - San Ramon

Groups Printed- Unshifted

	Costco Drwy From North				Fostoria Way From East				Camino Ramon From South				Fostoria Way From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	1	0	0	0	7	5	0	3	5	18	0	10	5	0	0	54
07:15 AM	0	0	0	0	0	4	9	0	4	1	29	0	32	9	0	0	88
07:30 AM	0	4	0	0	0	18	6	0	7	1	33	0	29	11	1	0	110
07:45 AM	0	0	0	0	0	10	5	0	2	4	35	0	28	18	0	0	102
Total	0	5	0	0	0	39	25	0	16	11	115	0	99	43	1	0	354
08:00 AM	0	0	0	0	1	19	6	0	6	0	43	0	33	25	2	0	135
08:15 AM	1	3	1	0	0	15	5	0	8	3	48	0	52	10	2	0	148
08:30 AM	0	3	0	0	1	12	1	0	8	4	51	0	57	25	1	0	163
08:45 AM	0	5	1	0	0	11	10	0	6	3	85	0	65	18	0	0	204
Total	1	11	2	0	2	57	22	0	28	10	227	0	207	78	5	0	650
Grand Total	1	16	2	0	2	96	47	0	44	21	342	0	306	121	6	0	1004
Apprch %	5.3	84.2	10.5	0.0	1.4	66.2	32.4	0.0	10.8	5.2	84.0	0.0	70.7	27.9	1.4	0.0	
Total %	0.1	1.6	0.2	0.0	0.2	9.6	4.7	0.0	4.4	2.1	34.1	0.0	30.5	12.1	0.6	0.0	

	Costco Drwy From North					Fostoria Way From East					Camino Ramon From South					Fostoria Way From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	1	11	2	0	14	2	57	22	0	81	28	10	227	0	265	207	78	5	0	290	650
Percent	7.1	78.6	14.3	0.0		2.5	70.4	27.2	0.0		10.6	3.8	85.7	0.0		71.4	26.9	1.7	0.0		
08:45 Volume	0	5	1	0	6	0	11	10	0	21	6	3	85	0	94	65	18	0	0	83	204
Peak Factor																					0.797
High Int.	08:45 AM					08:00 AM					08:45 AM					08:30 AM					
Volume	0	5	1	0	6	1	19	6	0	26	6	3	85	0	94	57	25	1	0	83	
Peak Factor					0.583					0.779					0.705					0.873	

PHA Transportation Consultants
(510) 848-9233

File Name : 39pm
Site Code : 00000039
Start Date : 05/20/2008
Page No : 1

Fostoria Way/Camino Ramon - San Ramon

Groups Printed- Unshifted

	Costco Drwy From North				Fostoria Way From East				Fostoria Way From South				Fostoria Way From West				
Start Time	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	R	T	L	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	6	34	0	0	1	14	4	0	5	55	70	0	58	12	1	0	260
04:15 PM	7	37	2	0	1	23	4	0	16	61	42	0	50	14	2	0	259
04:30 PM	12	63	2	0	0	24	8	0	9	81	101	0	60	9	2	0	371
04:45 PM	12	70	3	0	0	10	23	0	5	64	88	0	72	21	4	0	372
Total	37	204	7	0	2	71	39	0	35	261	301	0	240	56	9	0	1262
05:00 PM	10	67	2	0	0	10	8	0	5	60	80	0	83	10	2	0	337
05:15 PM	7	47	0	0	1	16	3	0	5	82	89	0	94	26	3	0	373
05:30 PM	4	49	2	0	0	21	10	0	17	86	96	0	86	15	1	0	387
05:45 PM	10	65	2	0	2	12	11	0	10	63	70	0	96	16	3	0	360
Total	31	228	6	0	3	59	32	0	37	291	335	0	359	67	9	0	1457
Grand Total	68	432	13	0	5	130	71	0	72	552	636	0	599	123	18	0	2719
Apprch %	13.3	84.2	2.5	0.0	2.4	63.1	34.5	0.0	5.7	43.8	50.5	0.0	80.9	16.6	2.4	0.0	
Total %	2.5	15.9	0.5	0.0	0.2	4.8	2.6	0.0	2.6	20.3	23.4	0.0	22.0	4.5	0.7	0.0	

	Costco Drwy From North					Fostoria Way From East					Fostoria Way From South					Fostoria Way From West					
Start Time	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	R	T	L	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	33	233	7	0	273	1	57	44	0	102	32	292	353	0	677	335	72	10	0	417	1469
Percent	12.1	85.3	2.6	0.0		1.0	55.9	43.1	0.0		4.7	43.1	52.1	0.0		80.3	17.3	2.4	0.0		
05:30 Volume	4	49	2	0	55	0	21	10	0	31	17	86	96	0	199	86	15	1	0	102	387
Peak Factor																					0.949
High Int.	04:45 PM					04:45 PM					05:30 PM					05:15 PM					
Volume	12	70	3	0	85	0	10	23	0	33	17	86	96	0	199	94	26	3	0	123	
Peak Factor					0.803					0.773					0.851					0.848	

PHA Transportation Consultants
(510) 848-9233

File Name : 4am-ab
Site Code : 00000004
Start Date : 10/21/2009
Page No : 1

SB I-680 offramp/Crow Canyon - San Ramon

Groups Printed- 1 - Unshifted

	SB I-680 offramp From North				Crow Canyon From East				From South				Crow Canyon From West				
Start Time	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	96	0	116	18	131	126	0	0	0	0	0	0	59	179	0	0	725
07:15 AM	118	0	158	12	170	140	0	0	0	0	0	0	79	225	0	0	902
07:30 AM	168	0	163	15	241	150	0	0	0	0	0	0	109	268	0	0	1114
07:45 AM	153	0	152	11	218	185	0	0	0	0	0	0	109	289	0	0	1117
Total	535	0	589	56	760	601	0	0	0	0	0	0	356	961	0	0	3858
08:00 AM	192	0	197	8	249	168	0	0	0	0	0	0	123	279	0	0	1216
08:15 AM	163	0	215	9	295	196	0	0	0	0	0	0	110	295	0	0	1283
08:30 AM	134	0	188	3	245	229	0	0	0	0	0	0	110	282	0	0	1191
08:45 AM	128	0	192	3	266	135	0	0	0	0	0	0	118	254	0	0	1096
Total	617	0	792	23	1055	728	0	0	0	0	0	0	461	1110	0	0	4786
Grand Total	1152	0	1381	79	1815	1329	0	0	0	0	0	0	817	2071	0	0	8644
Apprch %	44.1	0.0	52.9	3.0	57.7	42.3	0.0	0.0	0.0	0.0	0.0	0.0	28.3	71.7	0.0	0.0	
Total %	13.3	0.0	16.0	0.9	21.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	9.5	24.0	0.0	0.0	

	SB I-680 offramp From North					Crow Canyon From East					From South					Crow Canyon From West					
Start Time	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	642	0	752	31	1425	1007	778	0	0	1785	0	0	0	0	0	452	1145	0	0	1597	4807
Percent	45.1	0.0	52.8	2.2		56.4	43.6	0.0	0.0		0.0	0.0	0.0	0.0		28.3	71.7	0.0	0.0		
08:15 Volume	163	0	215	9	387	295	196	0	0	491	0	0	0	0	0	110	295	0	0	405	1283
Peak Factor																					0.937
High Int.	08:00 AM					08:15 AM					6:45:00 AM					08:15 AM					
Volume	192	0	197	8	397	295	196	0	0	491	0	0	0	0	0	110	295	0	0	405	
Peak Factor					0.897					0.909										0.986	

PHA Transportation Consultants
(510) 848-9233

File Name : 4pm-ab
Site Code : 00000004
Start Date : 10/21/2009
Page No : 1

SB I-680 offrmap/Crow Canyon - San Ramon

Groups Printed- 1 - Unshifted

	SB I-680 offramp From North				Crow Canyon From East				From South				Crow Canyon From West				
Start Time	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	134	0	104	28	212	176	0	0	0	0	0	0	121	275	0	0	1050
04:15 PM	173	0	146	31	182	257	0	0	0	0	0	0	124	266	0	0	1179
04:30 PM	198	0	164	28	191	289	0	0	0	0	0	0	128	303	0	0	1301
04:45 PM	248	0	189	21	238	288	0	0	0	0	0	0	154	314	0	0	1452
Total	753	0	603	108	823	1010	0	0	0	0	0	0	527	1158	0	0	4982
05:00 PM	239	0	197	9	236	397	0	0	0	0	0	0	167	295	0	0	1540
05:15 PM	277	0	188	7	295	308	0	0	0	0	0	0	213	352	0	0	1640
05:30 PM	249	0	179	5	225	367	0	0	0	0	0	0	172	342	0	0	1539
05:45 PM	243	0	168	10	177	374	0	0	0	0	0	0	166	377	0	0	1515
Total	1008	0	732	31	933	1446	0	0	0	0	0	0	718	1366	0	0	6234
Grand Total	1761	0	1335	139	1756	2456	0	0	0	0	0	0	1245	2524	0	0	11216
Apprch %	54.4	0.0	41.3	4.3	41.7	58.3	0.0	0.0	0.0	0.0	0.0	0.0	33.0	67.0	0.0	0.0	
Total %	15.7	0.0	11.9	1.2	15.7	21.9	0.0	0.0	0.0	0.0	0.0	0.0	11.1	22.5	0.0	0.0	

	SB I-680 offramp From North					Crow Canyon From East					From South					Crow Canyon From West					
Start Time	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	05:00 PM																				
Volume	1008	0	732	31	1771	933	1446	0	0	2379	0	0	0	0	0	718	1366	0	0	2084	6234
Percent	56.9	0.0	41.3	1.8		39.2	60.8	0.0	0.0		0.0	0.0	0.0	0.0		34.5	65.5	0.0	0.0		
05:15 Volume	277	0	188	7	472	295	308	0	0	603	0	0	0	0	0	213	352	0	0	565	1640
Peak Factor																					0.950
High Int.	05:15 PM					05:00 PM					3:45:00 PM					05:15 PM					
Volume	277	0	188	7	472	236	397	0	0	633	0	0	0	0	0	213	352	0	0	565	
Peak Factor					0.938					0.940										0.922	

PHA Transportation Consultants
(510) 848-9233

File Name : 5am-ab
Site Code : 00000005
Start Date : 10/21/2009
Page No : 1

NB I-680 offramp/Crow Canyon - San Ramon

Groups Printed- 1 - Unshifted

	From North				Crow Canyon From East				NB I-680 offramp From South				Crow Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	0	132	189	0	0	43	0	73	46	80	207	0	0	770
07:15 AM	0	0	0	0	147	257	0	0	104	0	58	41	105	268	0	0	980
07:30 AM	0	0	0	0	148	264	0	0	138	0	139	39	69	368	0	0	1165
07:45 AM	0	0	0	0	170	271	0	0	195	0	119	26	38	412	0	0	1231
Total	0	0	0	0	597	981	0	0	480	0	389	152	292	1255	0	0	4146
08:00 AM	0	0	0	0	139	250	0	0	211	0	149	36	61	433	0	0	1279
08:15 AM	0	0	0	0	175	310	0	0	193	0	129	44	75	415	0	0	1341
08:30 AM	0	0	0	0	133	291	0	0	172	0	132	20	54	431	0	0	1233
08:45 AM	0	0	0	0	114	267	0	0	154	0	142	27	48	411	0	0	1163
Total	0	0	0	0	561	1118	0	0	730	0	552	127	238	1690	0	0	5016
Grand Total	0	0	0	0	1158	2099	0	0	1210	0	941	279	530	2945	0	0	9162
Apprch %	0.0	0.0	0.0	0.0	35.6	64.4	0.0	0.0	49.8	0.0	38.7	11.5	15.3	84.7	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	12.6	22.9	0.0	0.0	13.2	0.0	10.3	3.0	5.8	32.1	0.0	0.0	

	From North					Crow Canyon From East					NB I-680 offramp From South					Crow Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	0	0	0	0	0	617	1122	0	0	1739	771	0	529	126	1426	228	1691	0	0	1919	5084
Percent	0.0	0.0	0.0	0.0		35.5	64.5	0.0	0.0		54.1	0.0	37.1	8.8		11.9	88.1	0.0	0.0		
08:15 Volume	0	0	0	0	0	175	310	0	0	485	193	0	129	44	366	75	415	0	0	490	1341
Peak Factor																					0.948
High Int.	6:45:00 AM					08:15 AM					08:00 AM					08:00 AM					
Volume	0	0	0	0	0	175	310	0	0	485	211	0	149	36	396	61	433	0	0	494	
Peak Factor										0.896					0.900					0.971	

PHA Transportation Consultants
(510) 848-9233

File Name : 5pm-ab
Site Code : 00000005
Start Date : 10/21/2009
Page No : 1

NB 680 offrmap/Crow Canyon - San Ramon

Groups Printed- 1 - Unshifted

	From North				Crow Canyon From East				NB I-680 offramp From South				Crow Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	0	0	0	0	279	277	0	0	117	0	141	42	45	335	0	0	1236
04:15 PM	0	0	0	0	236	281	0	0	114	0	126	66	97	311	0	0	1231
04:30 PM	0	0	0	0	221	325	0	0	166	0	149	44	101	363	0	0	1369
04:45 PM	0	0	0	0	221	305	0	0	220	0	235	36	128	379	0	0	1524
Total	0	0	0	0	957	1188	0	0	617	0	651	188	371	1388	0	0	5360
05:00 PM	0	0	0	0	230	341	0	0	284	0	292	31	51	452	0	0	1681
05:15 PM	0	0	0	0	172	404	0	0	202	0	237	25	66	489	0	0	1595
05:30 PM	0	0	0	0	184	376	0	0	199	0	189	41	81	436	0	0	1506
05:45 PM	0	0	0	0	170	282	0	0	215	0	265	36	63	488	0	0	1519
Total	0	0	0	0	756	1403	0	0	900	0	983	133	261	1865	0	0	6301
Grand Total	0	0	0	0	1713	2591	0	0	1517	0	1634	321	632	3253	0	0	11661
Apprch %	0.0	0.0	0.0	0.0	39.8	60.2	0.0	0.0	43.7	0.0	47.1	9.2	16.3	83.7	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	14.7	22.2	0.0	0.0	13.0	0.0	14.0	2.8	5.4	27.9	0.0	0.0	

	From North					Crow Canyon From East					NB I-680 offramp From South					Crow Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	0	0	0	0	0	807	1426	0	0	2233	905	0	953	133	1991	326	1756	0	0	2082	6306
Percent	0.0	0.0	0.0	0.0		36.1	63.9	0.0	0.0		45.5	0.0	47.9	6.7		15.7	84.3	0.0	0.0		
05:00 Volume	0	0	0	0	0	230	341	0	0	571	284	0	292	31	607	51	452	0	0	503	1681
Peak Factor																					0.938
High Int.	3:45:00 PM					05:15 PM					05:00 PM					05:15 PM					
Volume	0	0	0	0	0	172	404	0	0	576	284	0	292	31	607	66	489	0	0	555	
Peak Factor										0.969					0.820					0.938	

PHA Transportation Consultants
(510) 848-9233

File Name : 8am
Site Code : 00000008
Start Date : 10/22/2009
Page No : 1

Alcosta/Crow Canyon - San Ramon

Groups Printed- Unshifted

	Crow Canyon From North				Crow Canyon From East				Alcosta From South				Crow Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	0	0	217	53	0	8	0	29	0	64	106	0	0	477
07:15 AM	0	0	0	0	0	362	95	0	15	0	20	0	48	101	0	0	641
07:30 AM	0	0	0	0	0	480	147	0	38	0	40	0	92	143	0	0	940
07:45 AM	0	0	0	0	0	357	193	0	50	0	44	0	85	166	0	0	895
Total	0	0	0	0	0	1416	488	0	111	0	133	0	289	516	0	0	2953
08:00 AM	0	0	0	0	0	406	243	0	37	0	62	0	139	121	0	0	1008
08:15 AM	0	0	0	0	0	401	209	0	73	0	83	0	112	134	0	0	1012
08:30 AM	0	0	0	0	0	406	210	0	42	0	56	0	145	149	0	0	1008
08:45 AM	0	0	0	0	0	337	147	0	33	0	47	0	122	165	0	0	851
Total	0	0	0	0	0	1550	809	0	185	0	248	0	518	569	0	0	3879
Grand Total	0	0	0	0	0	2966	1297	0	296	0	381	0	807	1085	0	0	6832
Apprch %	0.0	0.0	0.0	0.0	0.0	69.6	30.4	0.0	43.7	0.0	56.3	0.0	42.7	57.3	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	0.0	43.4	19.0	0.0	4.3	0.0	5.6	0.0	11.8	15.9	0.0	0.0	

	Crow Canyon From North					Crow Canyon From East					Alcosta From South					Crow Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	0	0	0	0	0	0	1570	855	0	2425	202	0	245	0	447	481	570	0	0	1051	3923
Percent	0.0	0.0	0.0	0.0		0.0	64.7	35.3	0.0		45.2	0.0	54.8	0.0		45.8	54.2	0.0	0.0		
08:15 Volume	0	0	0	0	0	0	401	209	0	610	73	0	83	0	156	112	134	0	0	246	1012
Peak Factor																					0.969
High Int.	6:45:00 AM					08:00 AM					08:15 AM					08:30 AM					
Volume	0	0	0	0	0	0	406	243	0	649	73	0	83	0	156	145	149	0	0	294	
Peak Factor										0.934					0.716					0.894	

PHA Transportation Consultants
(510) 848-9233

File Name : 8pm
Site Code : 00000008
Start Date : 10/22/2009
Page No : 1

Alcosta/Crow Canyon - San Ramon

Groups Printed- Unshifted

	From North				Crow Canyon From East				Alcosta From South				Crow Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	0	0	0	0	0	249	99	0	108	0	173	0	89	329	0	0	1047
04:15 PM	0	0	0	0	0	229	110	0	106	0	127	0	88	337	0	0	997
04:30 PM	0	0	0	0	0	228	63	0	107	0	224	0	171	363	0	0	1156
04:45 PM	0	0	0	0	0	232	108	0	121	0	125	0	107	365	0	0	1058
Total	0	0	0	0	0	938	380	0	442	0	649	0	455	1394	0	0	4258
05:00 PM	0	0	0	0	0	167	108	0	126	0	186	0	104	418	0	0	1109
05:15 PM	0	0	0	0	0	171	71	0	123	0	138	0	96	374	0	0	973
05:30 PM	0	0	0	0	0	273	98	0	136	0	130	0	128	441	0	0	1206
05:45 PM	0	0	0	0	0	197	57	0	112	0	96	0	63	422	0	0	947
Total	0	0	0	0	0	808	334	0	497	0	550	0	391	1655	0	0	4235
Grand Total	0	0	0	0	0	1746	714	0	939	0	1199	0	846	3049	0	0	8493
Apprch %	0.0	0.0	0.0	0.0	0.0	71.0	29.0	0.0	43.9	0.0	56.1	0.0	21.7	78.3	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	0.0	20.6	8.4	0.0	11.1	0.0	14.1	0.0	10.0	35.9	0.0	0.0	

	From North					Crow Canyon From East					Alcosta From South					Crow Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	04:45 PM																				
Volume	0	0	0	0	0	0	843	385	0	1228	506	0	579	0	1085	435	1598	0	0	2033	4346
Percent	0.0	0.0	0.0	0.0		0.0	68.6	31.4	0.0		46.6	0.0	53.4	0.0		21.4	78.6	0.0	0.0		
05:30 Volume	0	0	0	0	0	0	273	98	0	371	136	0	130	0	266	128	441	0	0	569	1206
Peak Factor																					0.901
High Int.	3:45:00 PM					05:30 PM					05:00 PM					05:30 PM					
Volume	0	0	0	0	0	0	273	98	0	371	126	0	186	0	312	128	441	0	0	569	
Peak Factor										0.827					0.869					0.893	

PHA Transportation Consultants
(510) 848-9233

File Name : 15am-ab
Site Code : 00000015
Start Date : 10/20/2009
Page No : 1

SB I-680 offramp/Bollinger Canyon - San Ramon

Groups Printed- 1 - Unshifted

	SB I-680 offramp From North				Bollinger Canyon From East				P&R Lot From South				Bollinger Canyon From West						
Start Time	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	To P &R Lot	Exclu. Total	Inclu. Total	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
07:00 AM	16	8	208	19	144	70	0	0	13	0	0	0	29	213	0	6	25	701	726
07:15 AM	27	7	307	13	195	89	0	0	12	0	1	0	74	255	0	3	16	967	983
07:30 AM	36	6	306	7	211	93	0	0	23	0	1	0	44	245	0	1	8	965	973
07:45 AM	56	2	297	13	274	131	0	0	15	0	1	0	48	278	0	4	17	1102	1119
Total	135	23	1118	52	824	383	0	0	63	0	3	0	195	991	0	14	66	3735	3801
08:00 AM	61	3	246	3	240	175	0	0	22	0	0	0	61	237	0	7	10	1045	1055
08:15 AM	40	6	229	3	211	131	0	0	12	0	0	0	45	293	0	6	9	967	976
08:30 AM	31	6	262	8	236	106	0	0	11	0	0	0	35	199	0	7	15	886	901
08:45 AM	36	4	266	5	265	120	0	0	8	0	0	0	37	189	0	2	7	925	932
Total	168	19	1003	19	952	532	0	0	53	0	0	0	178	918	0	22	41	3823	3864
Grand Total	303	42	2121	71	1776	915	0	0	116	0	3	0	373	1909	0	36	107	7558	7665
Apprch %	12.3	1.7	86.0		66.0	34.0	0.0		97.5	0.0	2.5		16.3	83.7	0.0				
Total %	4.0	0.6	28.1		23.5	12.1	0.0		1.5	0.0	0.0		4.9	25.3	0.0		1.4	98.6	

	SB I-680 offramp From North				Bollinger Canyon From East				P&R Lot From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:15 AM																
Volume	180	18	1156	1354	920	488	0	1408	72	0	3	75	227	1015	0	1242	4079
Percent	13.3	1.3	85.4		65.3	34.7	0.0		96.0	0.0	4.0		18.3	81.7	0.0		
07:45 Volume	56	2	297	355	274	131	0	405	15	0	1	16	48	278	0	326	1102
Peak Factor																	0.925
High Int.	07:45 AM				08:00 AM				07:30 AM				07:15 AM				
Volume	56	2	297	355	240	175	0	415	23	0	1	24	74	255	0	329	
Peak Factor				0.954				0.848				0.781				0.944	

PHA Transportation Consultants
(510) 848-9233

File Name : 15pm-ab
Site Code : 00000015
Start Date : 10/20/2009
Page No : 1

SB I-680 offram/Bollinger Canyon- San Ramon

Groups Printed- 1 - Unshifted

	I-680 offramp From North				Bollinger Canyon From East				Park & Ride Lot From South				Bollinger Canyon From West						
Start Time	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	To P&R	Exclu. Total	Inclu. Total	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
04:00 PM	61	1	181	9	180	162	0	0	6	0	0	0	34	168	0	3	12	793	805
04:15 PM	79	5	196	7	285	230	0	0	13	0	0	0	38	195	0	1	8	1041	1049
04:30 PM	134	4	167	13	331	240	0	0	6	0	1	0	48	146	0	1	14	1077	1091
04:45 PM	61	2	189	15	284	231	0	0	11	0	2	0	44	183	0	0	15	1007	1022
Total	335	12	733	44	1080	863	0	0	36	0	3	0	164	692	0	5	49	3918	3967
05:00 PM	66	11	211	1	303	254	0	0	21	0	0	0	49	262	0	0	1	1177	1178
05:15 PM	88	4	266	5	366	319	0	0	29	0	0	0	38	223	0	0	5	1333	1338
05:30 PM	63	16	214	14	388	289	0	0	16	0	2	0	53	186	0	0	14	1227	1241
05:45 PM	95	2	249	20	361	288	0	0	48	0	0	0	56	183	0	7	27	1282	1309
Total	312	33	940	40	1418	1150	0	0	114	0	2	0	196	854	0	7	47	5019	5066
Grand Total	647	45	1673	84	2498	2013	0	0	150	0	5	0	360	1546	0	12	96	8937	9033
Apprch %	27.4	1.9	70.7		55.4	44.6	0.0		96.8	0.0	3.2		18.9	81.1	0.0				
Total %	7.2	0.5	18.7		28.0	22.5	0.0		1.7	0.0	0.1		4.0	17.3	0.0		1.1	98.9	

	I-680 offramp From North				Bollinger Canyon From East				Park & Ride Lot From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	05:00 PM																
Volume	312	33	940	1285	1418	1150	0	2568	114	0	2	116	196	854	0	1050	5019
Percent	24.3	2.6	73.2		55.2	44.8	0.0		98.3	0.0	1.7		18.7	81.3	0.0		
05:15 Volume	88	4	266	358	366	319	0	685	29	0	0	29	38	223	0	261	1333
Peak Factor																	0.941
High Int.	05:15 PM				05:15 PM				05:45 PM				05:00 PM				
Volume	88	4	266	358	366	319	0	685	48	0	0	48	49	262	0	311	
Peak Factor				0.897				0.937				0.604				0.844	

PHA Transportation Consultants
(510) 848-9233

File Name : 16am-ab
Site Code : 00000016
Start Date : 10/20/2009
Page No : 1

NB I-680 offramp/Bollinger Canyon - San Ramon

Groups Printed- 1 - Unshifted

	From North				Bollinger Canyon From East				NB I-680 offramp From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	0	0	0	0	137	174	0	0	227	0	45	27	185	227	0	0	1022
07:15 AM	0	0	0	0	151	249	0	0	327	0	61	33	228	337	0	0	1386
07:30 AM	0	0	0	0	170	242	0	0	439	0	70	27	210	344	0	0	1502
07:45 AM	0	0	0	0	114	322	0	0	521	0	103	36	224	364	0	0	1684
Total	0	0	0	0	572	987	0	0	1514	0	279	123	847	1272	0	0	5594
08:00 AM	0	0	0	0	164	325	0	0	468	0	94	33	188	301	0	0	1573
08:15 AM	0	0	0	0	185	288	0	0	396	0	66	52	217	285	0	0	1489
08:30 AM	0	0	0	0	117	290	0	0	370	0	65	52	166	309	0	0	1369
08:45 AM	0	0	0	0	132	295	0	0	417	0	94	42	155	296	0	0	1431
Total	0	0	0	0	598	1198	0	0	1651	0	319	179	726	1191	0	0	5862
Grand Total	0	0	0	0	1170	2185	0	0	3165	0	598	302	1573	2463	0	0	11456
Apprch %	0.0	0.0	0.0	0.0	34.9	65.1	0.0	0.0	77.9	0.0	14.7	7.4	39.0	61.0	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	10.2	19.1	0.0	0.0	27.6	0.0	5.2	2.6	13.7	21.5	0.0	0.0	

	From North					Bollinger Canyon From East					NB I-680 offramp From South					Bollinger Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:30 AM																				
Volume	0	0	0	0	0	633	1177	0	0	1810	1824	0	333	148	2305	839	1294	0	0	2133	6248
Percent	0.0	0.0	0.0	0.0		35.0	65.0	0.0	0.0		79.1	0.0	14.4	6.4		39.3	60.7	0.0	0.0		
07:45 Volume	0	0	0	0	0	114	322	0	0	436	521	0	103	36	660	224	364	0	0	588	1684
Peak Factor																					0.928
High Int.	6:45:00 AM					08:00 AM					07:45 AM					07:45 AM					
Volume	0	0	0	0	0	164	325	0	0	489	521	0	103	36	660	224	364	0	0	588	
Peak Factor										0.925					0.873					0.907	

PHA Transportation Consultants
(510) 848-9233

File Name : 16pm-ab
Site Code : 00000016
Start Date : 10/20/2009
Page No : 1

NB I-680 offrmap/Bollinger Canyon - San Ramon

Groups Printed- 1 - Unshifted

	From North				Bollinger Canyon From East				From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	RTOR	Right	Thru	Left	Peds	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
04:00 PM	0	0	0	0	128	261	0	0	168	0	84	54	152	202	0	0	1049
04:15 PM	0	0	0	0	160	421	0	0	153	0	113	62	145	243	0	0	1297
04:30 PM	0	0	0	0	184	469	0	0	149	0	96	75	95	238	0	0	1306
04:45 PM	0	0	0	0	153	397	0	0	219	0	118	71	68	289	0	0	1315
Total	0	0	0	0	625	1548	0	0	689	0	411	262	460	972	0	0	4967
05:00 PM	0	0	0	0	128	435	0	0	239	0	121	51	183	290	0	0	1447
05:15 PM	0	0	0	0	149	537	0	0	234	0	195	62	121	362	0	0	1660
05:30 PM	0	0	0	0	178	494	0	0	283	0	178	72	62	341	0	0	1608
05:45 PM	0	0	0	0	196	447	0	0	354	0	214	71	71	368	0	0	1721
Total	0	0	0	0	651	1913	0	0	1110	0	708	256	437	1361	0	0	6436
Grand Total	0	0	0	0	1276	3461	0	0	1799	0	1119	518	897	2333	0	0	11403
Apprch %	0.0	0.0	0.0	0.0	26.9	73.1	0.0	0.0	52.4	0.0	32.6	15.1	27.8	72.2	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	11.2	30.4	0.0	0.0	15.8	0.0	9.8	4.5	7.9	20.5	0.0	0.0	

	From North					Bollinger Canyon From East					From South					Bollinger Canyon From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	RTOR	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Intersection	05:00 PM																				
Volume	0	0	0	0	0	651	1913	0	0	2564	1110	0	708	256	2074	437	1361	0	0	1798	6436
Percent	0.0	0.0	0.0	0.0		25.4	74.6	0.0	0.0		53.5	0.0	34.1	12.3		24.3	75.7	0.0	0.0		
05:45 Volume	0	0	0	0	0	196	447	0	0	643	354	0	214	71	639	71	368	0	0	439	1721
Peak Factor																					0.935
High Int.	3:45:00 PM					05:15 PM					05:45 PM					05:15 PM					
Volume	0	0	0	0	0	149	537	0	0	686	354	0	214	71	639	121	362	0	0	483	
Peak Factor										0.934					0.811					0.931	

PHA Transportation Consultants
(510) 848-9233

File Name : 20am
Site Code : 00000020
Start Date : 10/22/2009
Page No : 1

Alcosta/Bollinger Canyon - San Ramon

Groups Printed- Unshifted

	Alcosta From North				Bollinger Canyon From East				Alcosta From South				Bollinger Canyon From West						
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Exclu. Total	Inclu. Total	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
07:00 AM	17	22	14	0	23	274	27	0	10	25	70	0	25	68	18	0	0	593	593
07:15 AM	26	32	16	0	35	290	48	0	31	55	120	0	22	75	24	0	0	774	774
07:30 AM	29	18	21	0	35	332	32	0	28	74	111	0	17	75	32	0	0	804	804
07:45 AM	26	68	20	0	48	401	46	0	25	91	125	0	9	78	45	0	0	982	982
Total	98	140	71	0	141	1297	153	0	94	245	426	0	73	296	119	0	0	3153	3153
08:00 AM	90	117	18	0	64	353	74	0	24	109	149	0	19	107	49	0	0	1173	1173
08:15 AM	46	33	22	0	53	380	61	0	51	102	151	0	23	100	38	0	0	1060	1060
08:30 AM	23	27	21	0	40	354	42	0	28	80	124	0	29	99	40	0	0	907	907
08:45 AM	20	32	17	0	48	270	38	0	16	57	99	0	24	103	40	0	0	764	764
Total	179	209	78	0	205	1357	215	0	119	348	523	0	95	409	167	0	0	3904	3904
Grand Total	277	349	149	0	346	2654	368	0	213	593	949	0	168	705	286	0	0	7057	7057
Apprch %	35.7	45.0	19.2		10.3	78.8	10.9		12.1	33.8	54.1		14.5	60.8	24.7				
Total %	3.9	4.9	2.1		4.9	37.6	5.2		3.0	8.4	13.4		2.4	10.0	4.1		0.0	100.0	

	Alcosta From North				Bollinger Canyon From East				Alcosta From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Intersection	07:45 AM																
Volume	185	245	81	511	205	1488	223	1916	128	382	549	1059	80	384	172	636	4122
Percent	36.2	47.9	15.9		10.7	77.7	11.6		12.1	36.1	51.8		12.6	60.4	27.0		
08:00 Volume	90	117	18	225	64	353	74	491	24	109	149	282	19	107	49	175	1173
Peak Factor																	0.879
High Int.	08:00 AM				07:45 AM				08:15 AM				08:00 AM				
Volume	90	117	18	225	48	401	46	495	51	102	151	304	19	107	49	175	
Peak Factor				0.568				0.968				0.871				0.909	

PHA Transportation Consultants
(510) 848-9233

File Name : 20pm
Site Code : 00000020
Start Date : 10/22/2009
Page No : 1

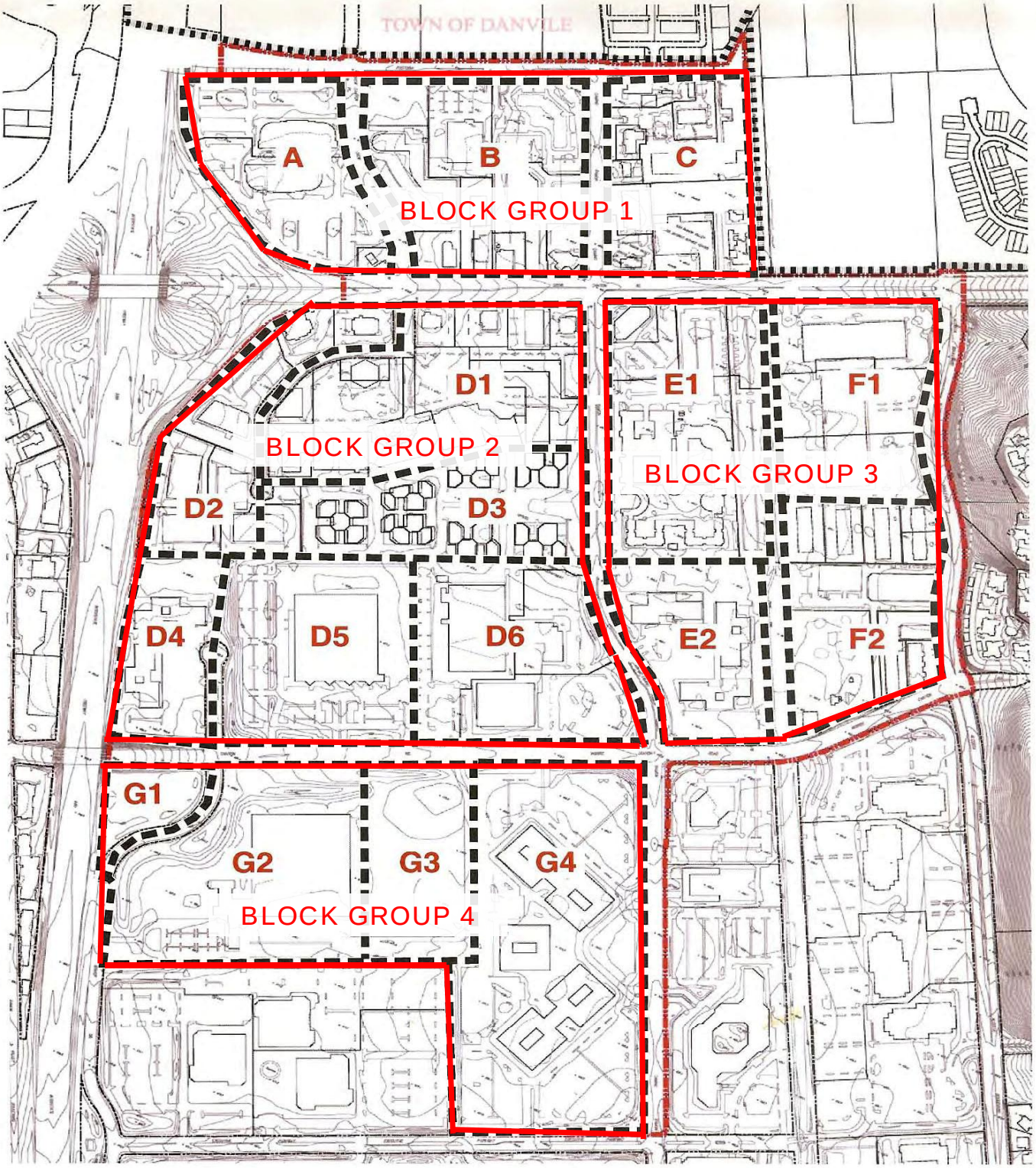
Alcosta/Bollinger Canyon - San Ramon

Groups Printed- Unshifted

	Alcosta From North				Bollinger Canyon From East				Alcosta From South				Bollinger Canyon From West						
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Exclu. Total	Inclu. Total	Int. Total
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
04:00 PM	41	95	39	0	38	135	50	0	32	60	53	0	51	231	34	0	0	859	859
04:15 PM	31	75	41	0	36	133	45	0	40	47	49	0	59	240	26	0	0	822	822
04:30 PM	39	71	70	0	49	130	37	0	49	53	39	0	71	310	31	0	0	949	949
04:45 PM	44	93	88	0	54	134	56	0	46	60	26	0	71	326	39	0	0	1037	1037
Total	155	334	238	0	177	532	188	0	167	220	167	0	252	1107	130	0	0	3667	3667
05:00 PM	50	99	90	0	34	147	58	0	54	49	35	0	93	383	32	0	0	1124	1124
05:15 PM	31	90	71	0	28	142	60	0	57	63	47	0	87	402	29	0	0	1107	1107
05:30 PM	30	91	60	0	31	135	63	0	54	62	41	0	82	368	26	0	0	1043	1043
05:45 PM	26	88	62	0	26	128	59	0	51	55	42	0	74	380	31	0	0	1022	1022
Total	137	368	283	0	119	552	240	0	216	229	165	0	336	1533	118	0	0	4296	4296
Grand Total	292	702	521	0	296	1084	428	0	383	449	332	0	588	2640	248	0	0	7963	7963
Apprch %	19.3	46.3	34.4		16.4	60.0	23.7		32.9	38.6	28.5		16.9	75.9	7.1				
Total %	3.7	8.8	6.5		3.7	13.6	5.4		4.8	5.6	4.2		7.4	33.2	3.1		0.0	100.0	

	Alcosta From North				Bollinger Canyon From East				Alcosta From South				Bollinger Canyon From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	04:45 PM																
Volume	155	373	309	837	147	558	237	942	211	234	149	594	333	1479	126	1938	4311
Percent	18.5	44.6	36.9		15.6	59.2	25.2		35.5	39.4	25.1		17.2	76.3	6.5		
05:00 Volume	50	99	90	239	34	147	58	239	54	49	35	138	93	383	32	508	1124
Peak Factor																	0.959
High Int.	05:00 PM				04:45 PM				05:15 PM				05:15 PM				
Volume	50	99	90	239	54	134	56	244	57	63	47	167	87	402	29	518	
Peak Factor				0.876				0.965				0.889				0.935	

C. North Camino Ramon Specific Plan Land Use Projections



Development Subareas
NORTH CAMINO RAMON SPECIFIC PLAN
San Ramon, California

CANNON DESIGN GROUP
September 15, 2009

North Camino Ramon Specific Plan - Land Use Summary

Block Group	Development Subarea	Existing Conditions				Proposed Conditions				Net Change			
		Residential (d.u.)	Retail (ksf)	Professional/ Medical Office (ksf)	General Office (ksf)	Residential (d.u.)	Retail (ksf)	Professional/ Medical Office (ksf)	General Office (ksf)	Residential (d.u.)	Retail (ksf)	Professional/ Medical Office (ksf)	General Office (ksf)
1	A				313.00				313.00				
	B		119.57		119.57		119.57		119.57				
	C		86.55		86.55		104.79		52.39		18.24		-34.16
		0	**206.12**	**0.00**	**519.12**	**0**	**224.36**	**0.00**	**484.96**	**0**	**18.24**	**0.00**	**-34.16**
2	D1		228.20				310.00	25.00	200.00		81.80	25.00	200.00
	D2		47.77		169.37		200.00	37.50	62.50		152.23	37.50	-106.87
	D3				139.27	50	156.67	25.00	53.33	50	157	25	-85.94
	D4				100.75		100.00		50.00		100		-50.75
	D5				61.19	100	196.67		98.33	100	197		37.14
	D6				272.56	100	102.50	25.00	282.50	100	103	25	9.94
		0	**276**	**0.00**	**743.14**	**250**	**1,065.83**	**112.50**	**746.67**	**250**	**790**	**113**	**3.53**
3	E1				239.92				410.00				170.08
	E2			148.73		440	12.50		37.50	440	13	-149	37.50
	F1				344.18		90.33		450.00		90		105.82
	F2				150.96	350	10.00		30.00	350	10		-120.96
		0	**0**	**148.73**	**735.06**	**790**	**112.83**	**0.00**	**927.50**	**790**	**113**	**-149**	**192.44**
4	G1			14.35				14.35	0.00				
	G2				228.19		243.00		27.00		243		-201.19
	G3					110	70.00		70.00	110	70		70.00
	G4				525.00	350	97.10		873.90	350	97		348.90
		0	**0**	**14.35**	**753.19**	**460**	**410.10**	**14.35**	**970.90**	**460**	**410**	**0**	**217.71**
	Total	**0**	**482.09**	**163.08**	**2,750.51**	**1,500**	**1,813.12**	**126.85**	**3,130.03**	**1,500**	**1,331.02**	**-36.23**	**379.52**

(1) Source of Land Use Plan: Cannon Design Group

(2) Amount of Existing and Future Non-Retail Commercial uses was split between General Office and Medical Office based on observed mix of existing land use patterns and per discussions with Cannon Design Group.

D. Project Trip Generation Calculations

North Camino Ramon Specific Plan - Trip Generation Rate Details

Trip Generation Rate Details:			
Residential Condominium/Townhouse (8th Edition)			
Daily (ITE 230)	T = 5.81 x (number of DU's)	50% In	50% Out
AM Peak Hour (ITE 230)	T = 0.44 x (number of DU's)	17% In	83% Out
PM Peak Hour (ITE 230)	T = 0.52 x (number of DU's)	67% In	33% Out
Shopping Center (ITE 8th Edition)			
Daily (ITE 820)	T = 42.94 x (1000's of SF)	50% In	50% Out
AM Peak Hour (ITE 820)	T = 1.00 x (1000's of SF)	61% In	39% Out
PM Peak Hour (ITE 820)	T = 3.73 x (1000's of SF)	49% In	51% Out
The following equation is used to calculated% pass-by trips for retail uses:			
= Ln(T) = -0.29 Ln(x) + 5.04			
x = 1,000 s.f. gross leasable area			
T = Percent pass-by trips			
General Office (ITE 8th Edition)			
Daily (ITE 710)	T = 11.01 x (1000's of SF)	50% In	50% Out
AM Peak Hour (ITE710)	T = 1.55 x (1000's of SF)	88% In	12% Out
PM Peak Hour (ITE 710)	T = 1.49 x (1000's of SF)	17% In	83% Out
Medical-Dental Office Building (ITE 8th Edition)			
Daily (ITE 720)	T = 36.13 x (1000's of SF)	50% In	50% Out
AM Peak Hour (ITE 720)	T = 2.30 x (1000's of SF)	79% In	21% Out
PM Peak Hour (ITE 720)	T = 3.46 x (1000's of SF)	27% In	73% Out

(1) Trip generation estimates calculated based on ITE's *Trip Generation, 8th Edition.*
(2) Pass-by rate for retail uses (ITE 820) from *ITE Trip Generation Handbook, 2nd Edition.*

Kimley-Horn and Associates, Inc.

North Camino Ramon Specific Plan
Existing Conditions Trip Generation

Block Group 1: (Subarea A, B, C)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Retail	820	8,852	126	80	206	377	392	769
Mixed-Use Internal Capture Reduction [2]		*-310*	*-5*	*-2*	*-7*	*-8*	*-12*	*-20*
Reduction for Retail Pass-by Trips [3]		*-1,281*	*0*	*0*	*0*	*-119*	*-118*	*-237*
General Office	710	5,716	708	97	805	131	642	773
Mixed-Use Internal Capture Reduction [2]		-310	-2	-5	-7	-12	-8	-20
Transit Reduction (2%) [4]		*-108*	*-14*	*-2*	*-16*	*-2*	*-13*	*-15*
TDM Reduction (0%) [5]		*0*	*0*	*0*	*0*	*0*	*0*	*0*
TOTAL UNADJUSTED TRIPS - Block Group 1		14,568	834	177	1,011	508	1,034	1,542
TOTAL ADJUSTED TRIPS - Block Group 1		12,559	813	168	981	367	883	1,250
Block Group 2: (Subarea D1, D2, D3, D4, D5, D6)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Retail	820	11,852	168	108	276	504	525	1,029
Mixed-Use Internal Capture Reduction [2]		*-414*	*-7*	*-3*	*-10*	*-10*	*-16*	*-26*
Reduction for Retail Pass-by Trips [3]		*-1,716*	*0*	*0*	*0*	*-146*	*-146*	*-292*
General Office	710	8,182	1,014	138	1,152	188	919	1,107
Mixed-Use Internal Capture Reduction [2]		-414	-3	-7	-10	-16	-10	-26
Transit Reduction (2%) [4]		*-155*	*-20*	*-3*	*-23*	*-3*	*-18*	*-21*
TDM Reduction (0%) [5]		*0*	*0*	*0*	*0*	*0*	*0*	*0*
TOTAL UNADJUSTED TRIPS - Block Group 2		20,034	1,182	246	1,428	692	1,444	2,136
TOTAL ADJUSTED TRIPS - Block Group 2		17,335	1,152	233	1,385	517	1,254	1,771
Block Group 3: (Subarea E1, E2, F1, F2)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
General Office	710	8,094	1,002	137	1,139	186	909	1,095
Mixed-Use Internal Capture Reduction [2]		-108	-1	-3	-4	-4	-8	-12
Transit Reduction (2%) [4]		*-160*	*-20*	*-3*	*-23*	*-4*	*-18*	*-22*
TDM Reduction (0%) [5]		*0*	*0*	*0*	*0*	*0*	*0*	*0*
Medical-Dental Office	720	5,374	270	72	342	139	376	515
Mixed-Use Internal Capture Reduction [2]		*-108*	*-3*	*-1*	*-4*	*-8*	*-4*	*-12*
Transit Reduction (2%) [4]		*-105*	*-5*	*-1*	*-6*	*-3*	*-7*	*-10*
TDM Reduction (4%) [5]		*-211*	*-11*	*-3*	*-14*	*-5*	*-15*	*-20*
TOTAL UNADJUSTED TRIPS - Block Group 3		13,468	1,272	209	1,481	325	1,285	1,610
TOTAL ADJUSTED TRIPS - Block Group 3		12,776	1,232	198	1,430	301	1,233	1,534

Kimley-Horn and Associates, Inc.

North Camino Ramon Specific Plan
Existing Conditions Trip Generation

Block Group 4: (Subarea G1, G2, G3, G4)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
General Office	710	8,294	1,027	140	1,167	191	931	1,122
Mixed-Use Internal Capture Reduction [2]		-10	0	-1	-1	0	-1	-1
Transit Reduction (2%) [4]		*-166*	*-21*	*-3*	*-24*	*-4*	*-19*	*-23*
TDM Reduction (8%) [5]		*-663*	*-82*	*-11*	*-93*	*-15*	*-74*	*-89*
Medical-Dental Office	720	520	26	7	33	14	36	50
Mixed-Use Internal Capture Reduction [2]		*-10*	*-1*	*0*	*-1*	*-1*	*0*	*-1*
Transit Reduction (2%) [4]		*-10*	*-1*	*0*	*-1*	*0*	*-1*	*-1*
TDM Reduction (0%) [5]		*0*	*0*	*0*	*0*	*0*	*0*	*0*
TOTAL UNADJUSTED TRIPS - Block Group 4		8,814	1,053	147	1,200	205	967	1,172
TOTAL ADJUSTED TRIPS - Block Group 4		7,955	948	132	1,080	185	872	1,057

Full Plan Area - Total Adjusted Trips								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Block Group 1: (Subarea A, B, C)	-	12,559	813	168	981	367	883	1,250
Block Group 2: (Subarea D1, D2, D3, D4, D5, D6)	-	17,335	1,152	233	1,385	517	1,254	1,771
Block Group 3: (Subarea E1, E2, F1, F2)	-	12,776	1,232	198	1,430	301	1,233	1,534
Block Group 4: (Subarea G1, G2, G3, G4)	-	7,955	948	132	1,080	185	872	1,057
TOTAL ADJUSTED TRIPS		50,625	4,145	731	4,876	1,370	4,242	5,612

Notes:

[1] Trip generation estimates calculated using rates from ITE *Trip Generation, 8th Edition* .

The following ITE Land Use Categories were assumed for all development scenarios:

Residential: ITE 230 - Residential Condominium/Townhouse
Retail: ITE 820 - Shopping Center
General Office: ITE 710 - General Office Building
Professional/Medical Offices: ITE 720 - Medical-Dental Office Building

[2] Reductions for mixed-use internalization calculated using methodology presented in ITE *Trip Generation Handbook, 2nd Edition* .

[3] Pass-by reductions for retail uses calculated using rates from *ITE Trip Generation Handbook, 2nd Edition* . ITE does not provide daily pass-by rates; therefore, a daily pass-by rate of 15% was assumed, per Caltrans TIA Standards, 2002.

[4] Bus Transit reduction applied - 2% for Residential and Office uses to reflect proximity to the existing transit center and bus service in the Plan Area. This reduction is consistent with the methodology used in the San Ramon City Center EIR.

[5] A TDM reduction of 8% for General Office traffic and 4% for Medical-Dental Office traffic has been applied to reflect the 10% maximum reduction for transit and TDM reductions allowed by CCTA trip generation methodology. For this analysis, a lower reduction, 4%, has been used for Medical-Dental Office traffic, as there are likely to be a higher proportion of non-employee trips, where TDM measures such are carpool, rideshare, etc. are typically less utilized. For existing conditions, the TDM reduction has only been applied to traffic that is generated by land uses within Bishop Ranch, which currenlty implements a TDM program.

Kimley-Horn and Associates, Inc.

North Camino Ramon Specific Plan
Project Conditions Trip Generation

Block Group 1: (Subarea A, B, C)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Retail	820	9,634	137	87	224	410	427	837
Mixed-Use Internal Capture Reduction [2]		*-338*	*-5*	*-3*	*-8*	*-8*	*-13*	*-21*
Reduction for Retail Pass-by Trips [3]		*-1,394*	*0*	*0*	*0*	*-126*	*-126*	*-252*
General Office	710	5,340	662	90	752	123	600	723
Mixed-Use Internal Capture Reduction [2]		-338	-3	-5	-8	-13	-8	-21
Transit Reduction (2%) [4]		*-100*	*-13*	*-2*	*-15*	*-2*	*-12*	*-14*
TDM Reduction (8%) [5]		*-400*	*-53*	*-7*	*-60*	*-9*	*-47*	*-56*
TOTAL UNADJUSTED TRIPS - Block Group 1		14,974	799	177	976	533	1,027	1,560
TOTAL ADJUSTED TRIPS - Block Group 1		12,404	725	160	885	375	821	1,196

Block Group 2: (Subarea D1, D2, D3, D4, D5, D6)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Residential	230	1,454	19	91	110	87	43	130
Mixed-Use Internal Capture Reduction [2]		*-560*	*-8*	*-35*	*-43*	*-31*	*-23*	*-54*
Transit Reduction (2%) [4]		*-18*	*0*	*-1*	*-1*	*-1*	*0*	*-1*
Retail	820	45,768	650	416	1,066	1,948	2,028	3,976
Mixed-Use Internal Capture Reduction [2]		*-2,788*	*-73*	*-30*	*-103*	*-101*	*-119*	*-220*
Reduction for Retail Pass-by Trips [3]		*-6,447*	*0*	*0*	*0*	*-369*	*-369*	*-738*
General Office	710	8,222	1,018	139	1,157	189	924	1,113
Mixed-Use Internal Capture Reduction [2]		-1,624	-13	-30	-43	-62	-47	-109
Transit Reduction (2%) [4]		*-132*	*-20*	*-2*	*-22*	*-3*	*-18*	*-21*
TDM Reduction (8%) [5]		*-528*	*-80*	*-9*	*-89*	*-10*	*-70*	*-80*
Medical-Dental Office	720	4,066	205	54	259	105	284	389
Mixed-Use Internal Capture Reduction [2]		*-856*	*-15*	*-14*	*-29*	*-39*	*-44*	*-83*
Transit Reduction (2%) [4]		*-64*	*-4*	*-1*	*-5*	*-1*	*-5*	*-6*
TDM Reduction (4%) [5]		*-128*	*-8*	*-2*	*-10*	*-3*	*-10*	*-13*
TOTAL UNADJUSTED TRIPS - Block Group 2		59,510	1,892	700	2,592	2,329	3,279	5,608
TOTAL ADJUSTED TRIPS - Block Group 2		46,365	1,671	576	2,247	1,709	2,574	4,283

Block Group 3: (Subarea E1, E2, F1, F2)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Residential	230	4,590	59	289	348	275	136	411
Mixed-Use Internal Capture Reduction [2]		*-554*	*-7*	*-6*	*-13*	*-32*	*-19*	*-51*
Transit Reduction (2%) [4]		*-81*	*-1*	*-6*	*-7*	*-5*	*-2*	*-7*
Retail	820	4,846	69	44	113	206	215	421
Mixed-Use Internal Capture Reduction [2]		*-654*	*-9*	*-6*	*-15*	*-23*	*-32*	*-55*
Reduction for Retail Pass-by Trips [3]		*-629*	*0*	*0*	*0*	*-62*	*-62*	*-124*
General Office	710	10,212	1,265	173	1,438	235	1,147	1,382
Mixed-Use Internal Capture Reduction [2]		-238	-1	-5	-6	-6	-10	-16
Transit Reduction (2%) [4]		*-199*	*-25*	*-3*	*-28*	*-5*	*-23*	*-28*
TDM Reduction (8%) [5]		*-798*	*-101*	*-13*	*-114*	*-18*	*-91*	*-109*
TOTAL UNADJUSTED TRIPS - Block Group 3		19,648	1,393	506	1,899	716	1,498	2,214
TOTAL ADJUSTED TRIPS - Block Group 3		16,495	1,249	467	1,716	565	1,259	1,824

Kimley-Horn and Associates, Inc.

North Camino Ramon Specific Plan
Project Conditions Trip Generation

Block Group 4: (Subarea G1, G2, G3, G4)								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Residential	230	2,674	34	168	202	160	79	239
Mixed-Use Internal Capture Reduction [2]		*-994*	*-12*	*-23*	*-35*	*-54*	*-42*	*-96*
Transit Reduction (2%) [4]		*-34*	*0*	*-3*	*-3*	*-2*	*-1*	*-3*
Retail	820	17,610	250	160	410	750	780	1,530
Mixed-Use Internal Capture Reduction [2]		*-1,660*	*-35*	*-20*	*-55*	*-65*	*-77*	*-142*
Reduction for Retail Pass-by Trips [3]		*-2,393*	*0*	*0*	*0*	*-180*	*-180*	*-360*
General Office	710	10,690	1,324	181	1,505	246	1,201	1,447
Mixed-Use Internal Capture Reduction [2]		-666	-5	-12	-17	-23	-19	-42
Transit Reduction (2%) [4]		*-200*	*-26*	*-3*	*-29*	*-4*	*-24*	*-28*
TDM Reduction (8%) [5]		*-802*	*-106*	*-14*	*-120*	*-18*	*-95*	*-113*
Medical-Dental Office	720	520	26	7	33	14	36	50
Mixed-Use Internal Capture Reduction [2]		*-110*	*-5*	*-2*	*-7*	*-5*	*-9*	*-14*
Transit Reduction (2%) [4]		*-8*	*0*	*0*	*0*	*0*	*-1*	*-1*
TDM Reduction (4%) [5]		*-16*	*-1*	*0*	*-1*	*0*	*-1*	*-1*
TOTAL UNADJUSTED TRIPS - Block Group 4		31,494	1,634	516	2,150	1,170	2,096	3,266
TOTAL ADJUSTED TRIPS - Block Group 4		24,611	1,444	439	1,883	819	1,647	2,466

Full Plan Area - Total Adjusted Trips								
Land Use	ITE Code	Daily	AM Peak			PM Peak		
			In	Out	Total	In	Out	Total
Block Group 1: (Subarea A, B, C)	-	12,404	725	160	885	375	821	1,196
Block Group 2: (Subarea D1, D2, D3, D4, D5, D6)	-	46,365	1,671	576	2,247	1,709	2,574	4,283
Block Group 3: (Subarea E1, E2, F1, F2)	-	16,495	1,249	467	1,716	565	1,259	1,824
Block Group 4: (Subarea G1, G2, G3, G4)	-	24,611	1,444	439	1,883	819	1,647	2,466
TOTAL ADJUSTED TRIPS		99,875	5,089	1,642	6,731	3,468	6,301	9,769

Notes:

[1] Trip generation estimates calculated using rates from ITE *Trip Generation, 8th Edition* .
The following ITE Land Use Categories were assumed for all development scenarios:
Residential: ITE 230 - Residential Condominium/Townhouse
Retail: ITE 820 - Shopping Center
General Office: ITE 710 - General Office Building
Professional/Medical Offices: ITE 720 - Medical-Dental Office Building

[2] Reductions for mixed-use internalization calculated using methodology presented in ITE *Trip Generation Handbook, 2nd Edition* .

[3] Pass-by reductions for retail uses calculated using rates from *ITE Trip Generation Handbook, 2nd Edition* . ITE does not provide daily pass-by rates; therefore, a daily pass-by rate of 15% was assumed, per Caltrans TIA Standards, 2002.

[4] Bus Transit reduction applied - 2% for Residential and Office uses to reflect proximity to the existing transit center and bus service in the Plan Area. This reduction is consistent with the methodology used in the San Ramon City Center EIR.

[5] A TDM reduction of 8% for General Office traffic and 4% for Medical-Dental Office traffic has been applied to reflect the 10% maximum reduction for transit and TDM reductions allowed by CCTA trip generation methodology. For this analysis, a lower reduction, 4%, has been used for Medical-Dental Office traffic, as there are likely to be a higher proportion of non-employee trips, where TDM measures such are carpool, rideshare, etc. are typically less utilized. The North Camino Ramon Specific Plan recommends the creation of a Transportation Management Association (TMA) to implement TDM measures, or to join the Bishop Ranch TMA; therefore, the TDM reduction has been applied to all General Office and Medical-Dental Office traffic in the Plan Area.

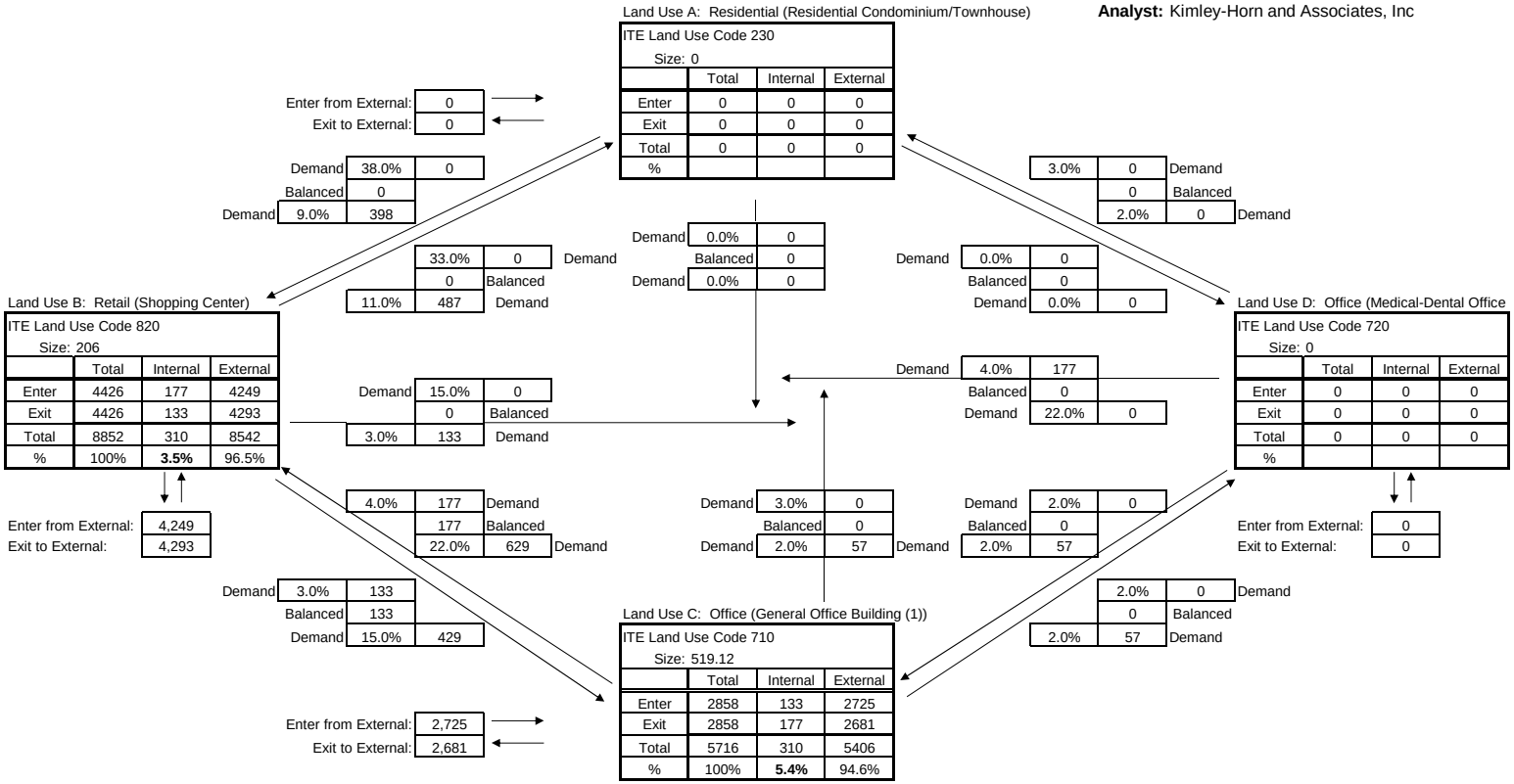
Kimley-Horn
and Associates, Inc.

North Camino Ramon Specific Plan Net New Trips Over Existing Conditions (Proposed Trip Generation - Existing Trip Generation)							
Land Use	Daily	AM Peak			PM Peak		
		In	Out	Total	In	Out	Total
Block Group 1 (Subarea A,B,C)	-155	-88	-8	-96	8	-62	-54
Block Group 2 (Subarea D1,D2,D3,D4,D5,D6)	29,030	519	343	862	1,192	1,320	2,512
Block Group 3 (Subarea E1,E2,F1,F2)	3,719	17	269	286	264	26	290
Block Group 4 (Subarea G1,G2,G3,G4)	16,656	496	307	803	634	775	1,409
Total	49,250	944	911	1,855	2,098	2,058	4,156

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 1
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

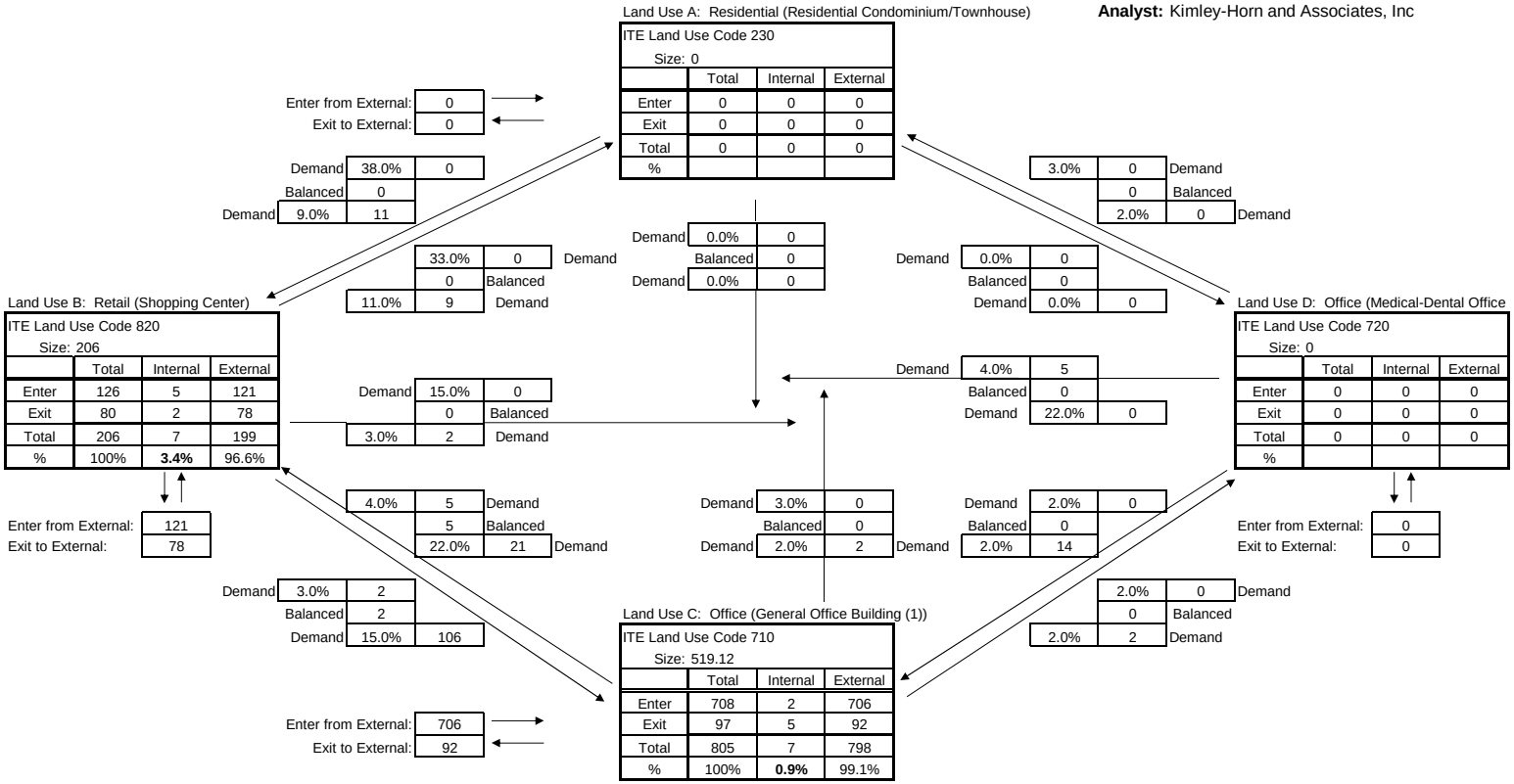
Category	Land Use A	B	C	D	Total
Enter	0	4,249	2,725	0	6,974
Exit	0	4,293	2,681	0	6,974
Total	0	8,542	5,406	0	**13,948**
Single Use Trip Gen Estimate	0	8,852	5,716	0	**14,568**

Overall Internal Capture = **4.26%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 1
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

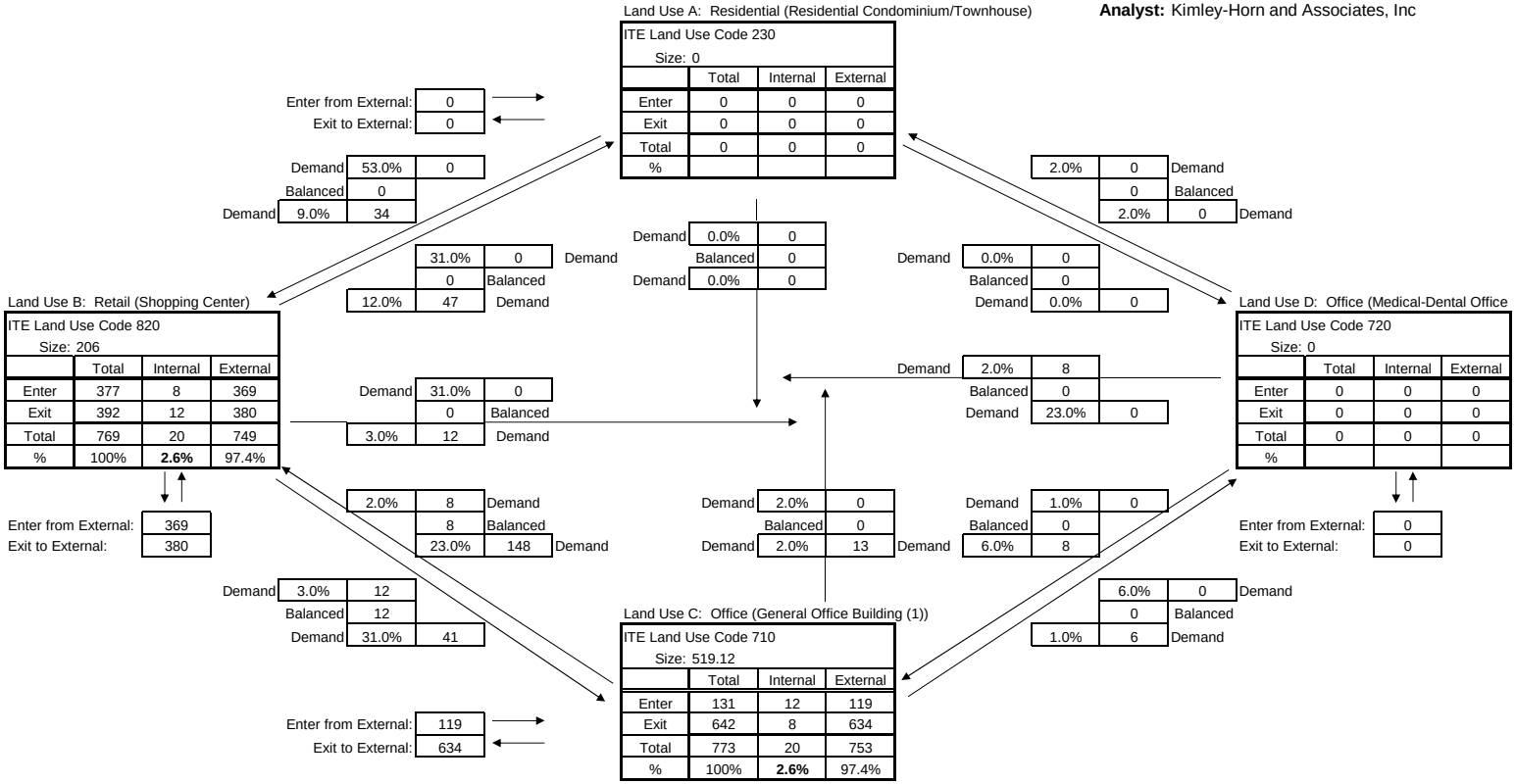
Category	Land Use A	B	C	D	Total
Enter	0	121	706	0	827
Exit	0	78	92	0	170
Total	0	199	798	0	**997**
Single Use Trip Gen Estimate	0	206	805	0	**1,011**

Overall Internal Capture = **1.38%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 1
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

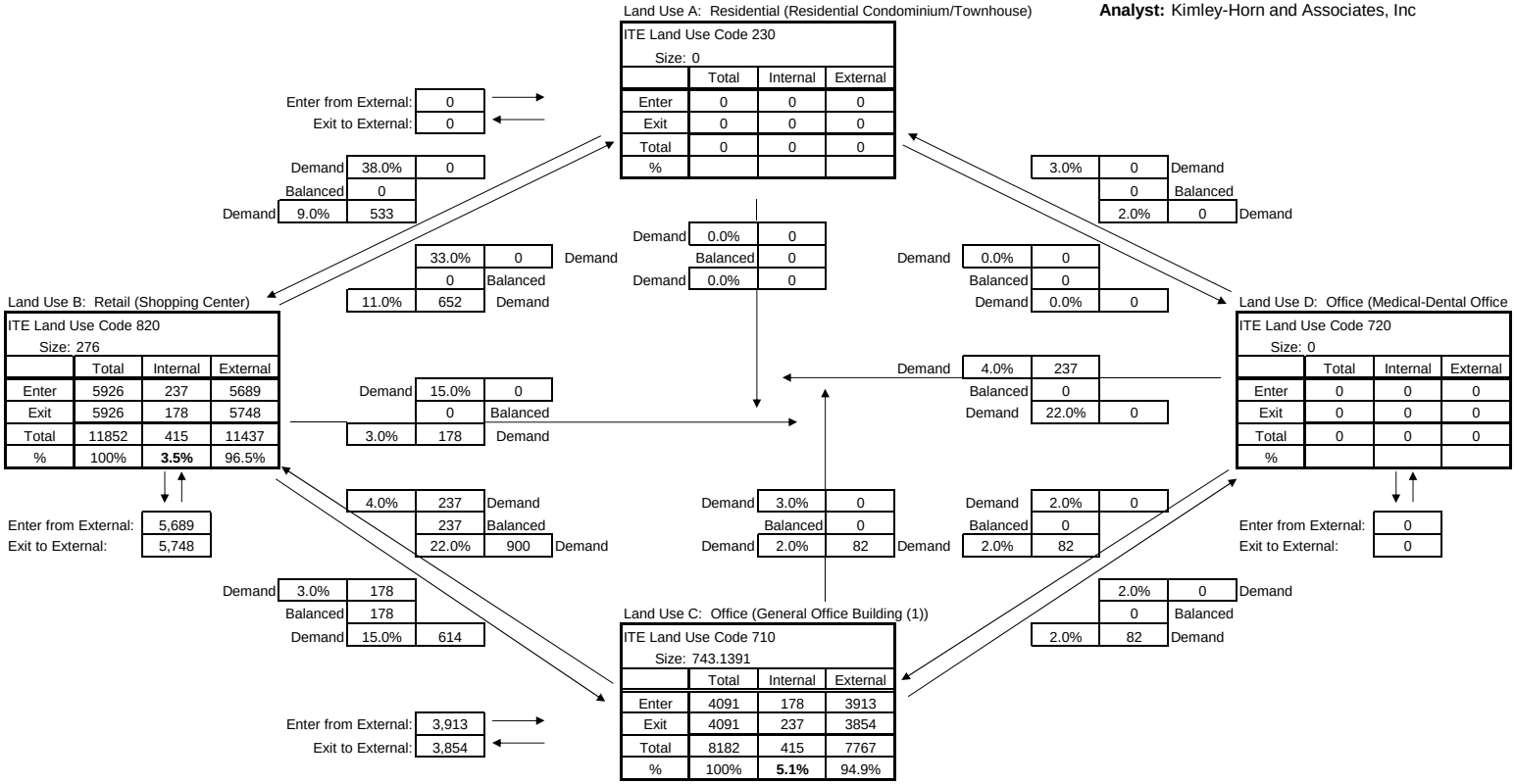
Category	Land Use A	B	C	D	Total
Enter	0	369	119	0	488
Exit	0	380	634	0	1,014
Total	0	749	753	0	**1,502**
Single Use Trip Gen Estimate	0	769	773	0	**1,542**

Overall Internal Capture = **2.59%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 2
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

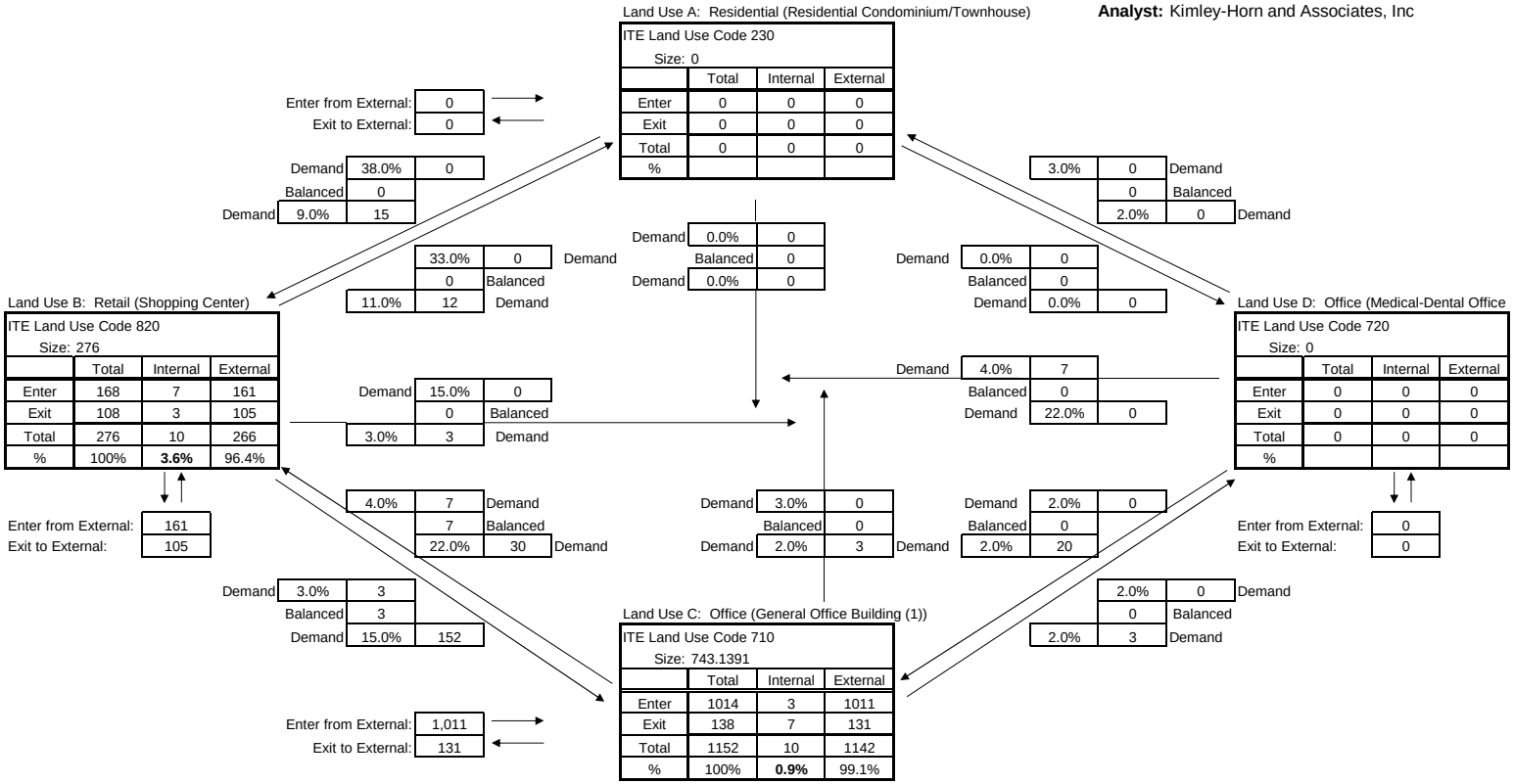
Category	Land Use A	B	C	D	Total
Enter	0	5,689	3,913	0	9,602
Exit	0	5,748	3,854	0	9,602
Total	0	11,437	7,767	0	**19,204**
Single Use Trip Gen Estimate	0	11,852	8,182	0	**20,034**

Overall Internal Capture = **4.14%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 2
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

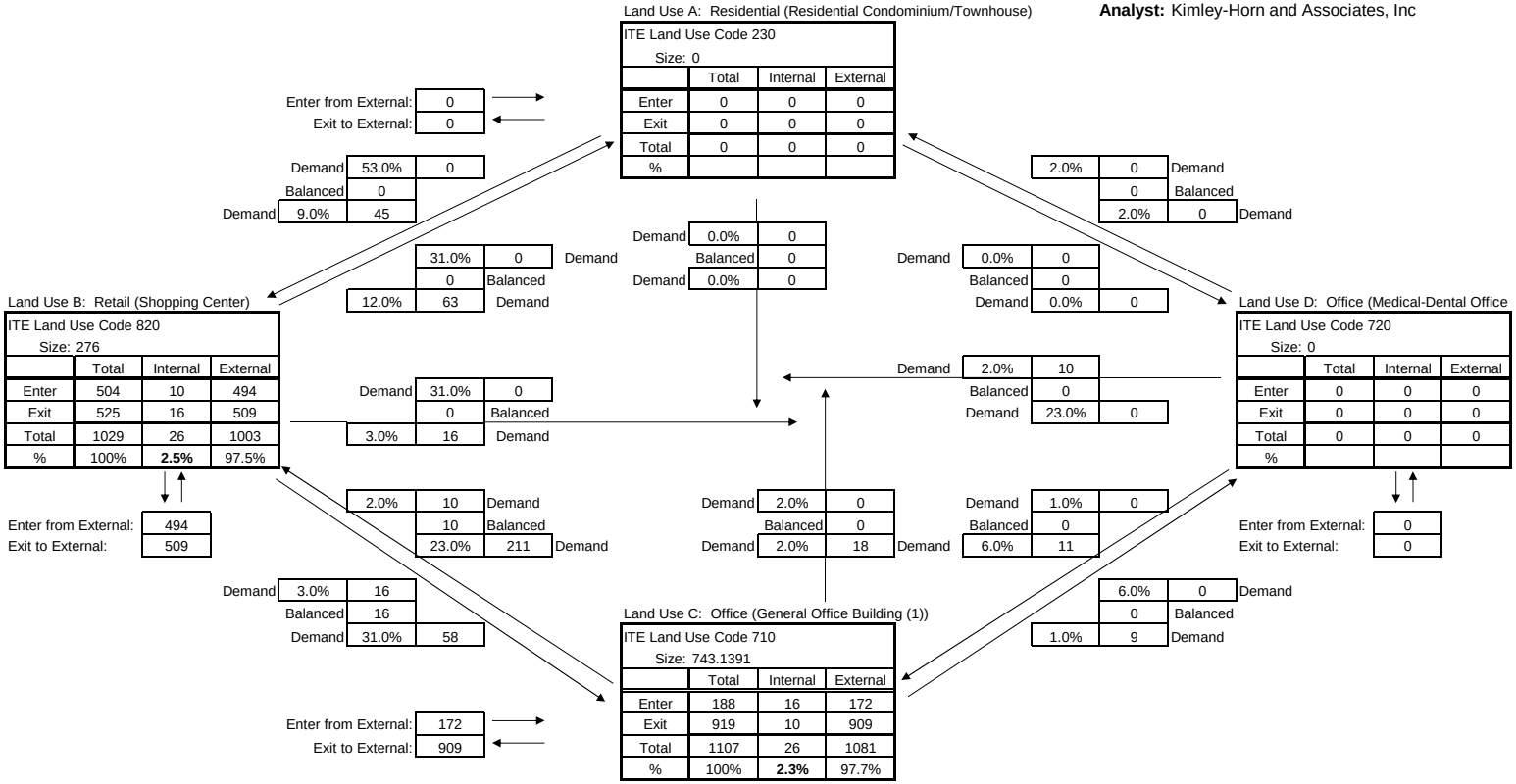
Category	Land Use A	B	C	D	Total
Enter	0	161	1,011	0	1,172
Exit	0	105	131	0	236
Total	0	266	1,142	0	**1,408**
Single Use Trip Gen Estimate	0	276	1,152	0	**1,428**

Overall Internal Capture = **1.40%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 2
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

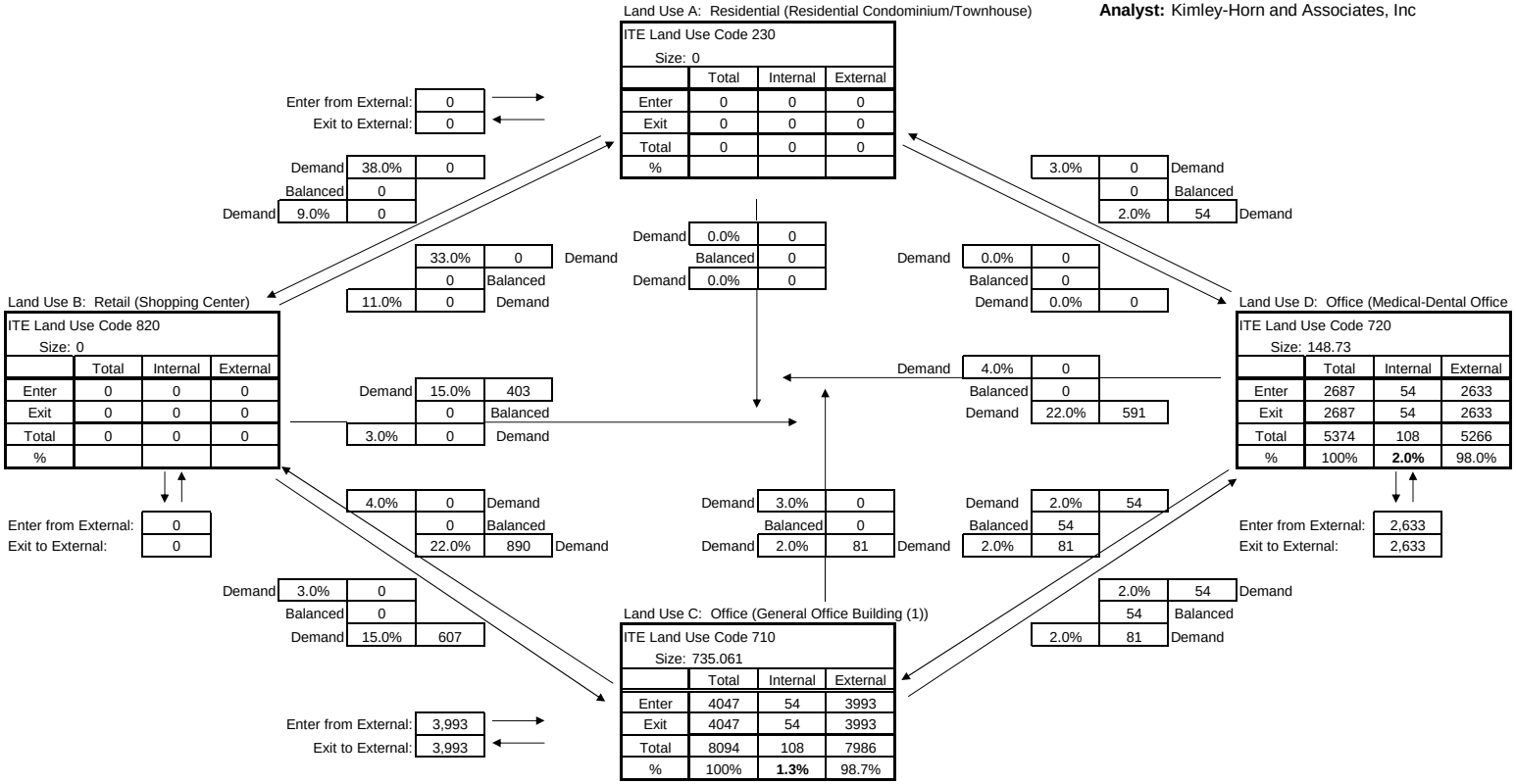
Category	Land Use A	B	C	D	Total
Enter	0	494	172	0	666
Exit	0	509	909	0	1,418
Total	0	1,003	1,081	0	**2,084**
Single Use Trip Gen Estimate	0	1,029	1,107	0	**2,136**

Overall Internal Capture = **2.43%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 3
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

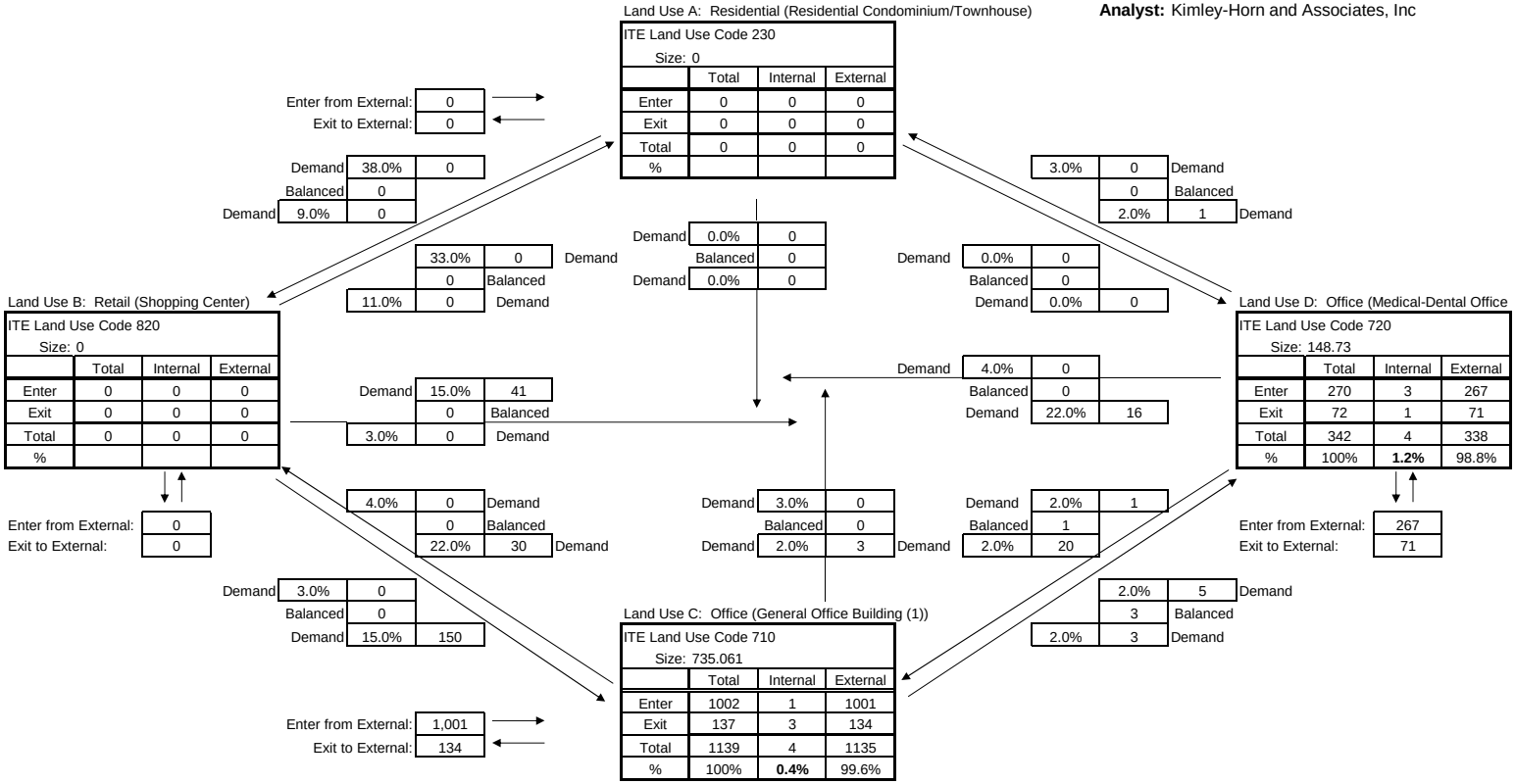
Category	Land Use A	B	C	D	Total
Enter	0	0	3,993	2,633	6,626
Exit	0	0	3,993	2,633	6,626
Total	0	0	7,986	5,266	**13,252**
Single Use Trip Gen Estimate	0	0	8,094	5,374	**13,468**

Overall Internal Capture = **1.60%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 3
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

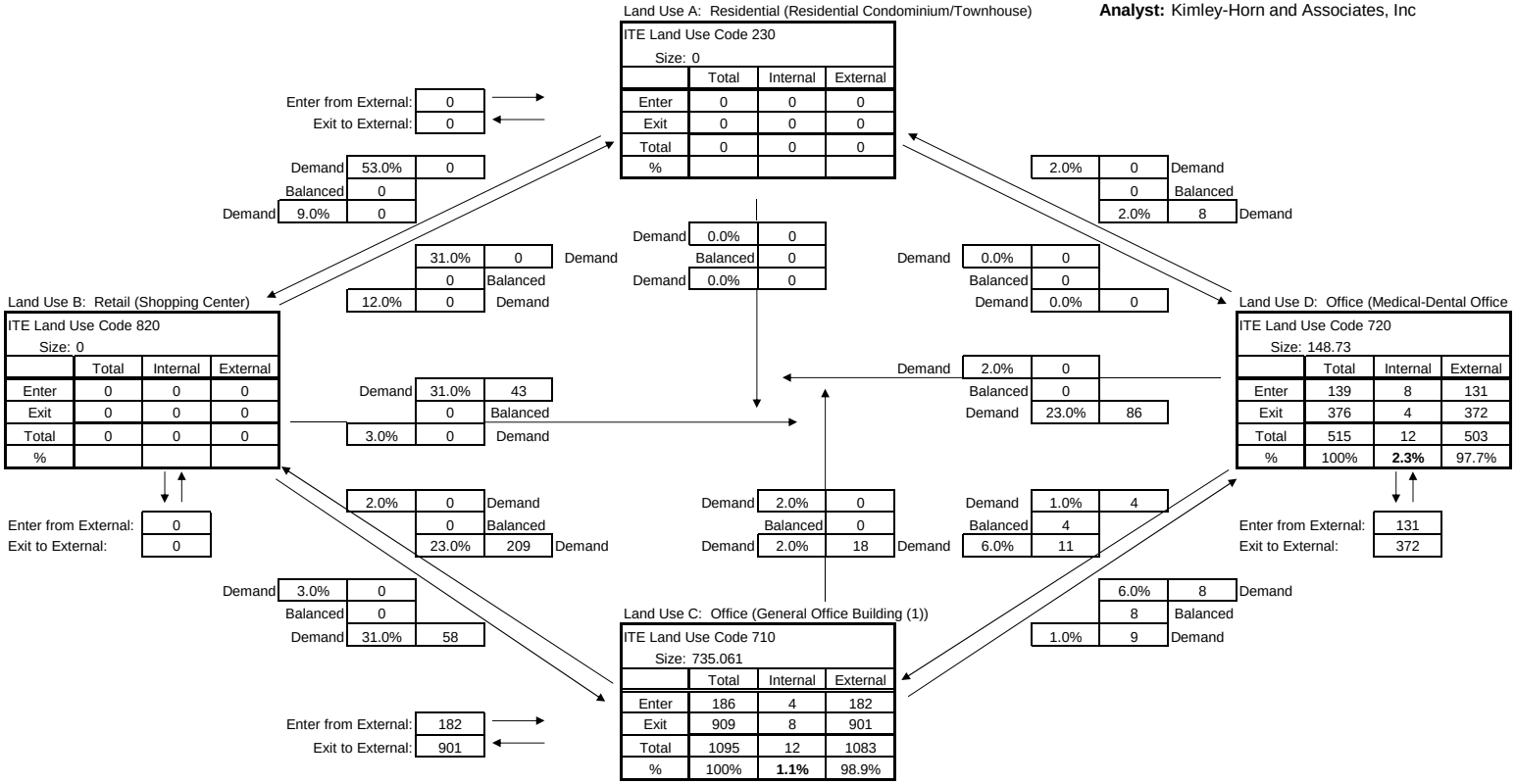
Category	Land Use A	B	C	D	Total
Enter	0	0	1,001	267	1,268
Exit	0	0	134	71	205
Total	0	0	1,135	338	**1,473**
Single Use Trip Gen Estimate	0	0	1,139	342	**1,481**

Overall Internal Capture = **0.54%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 3
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

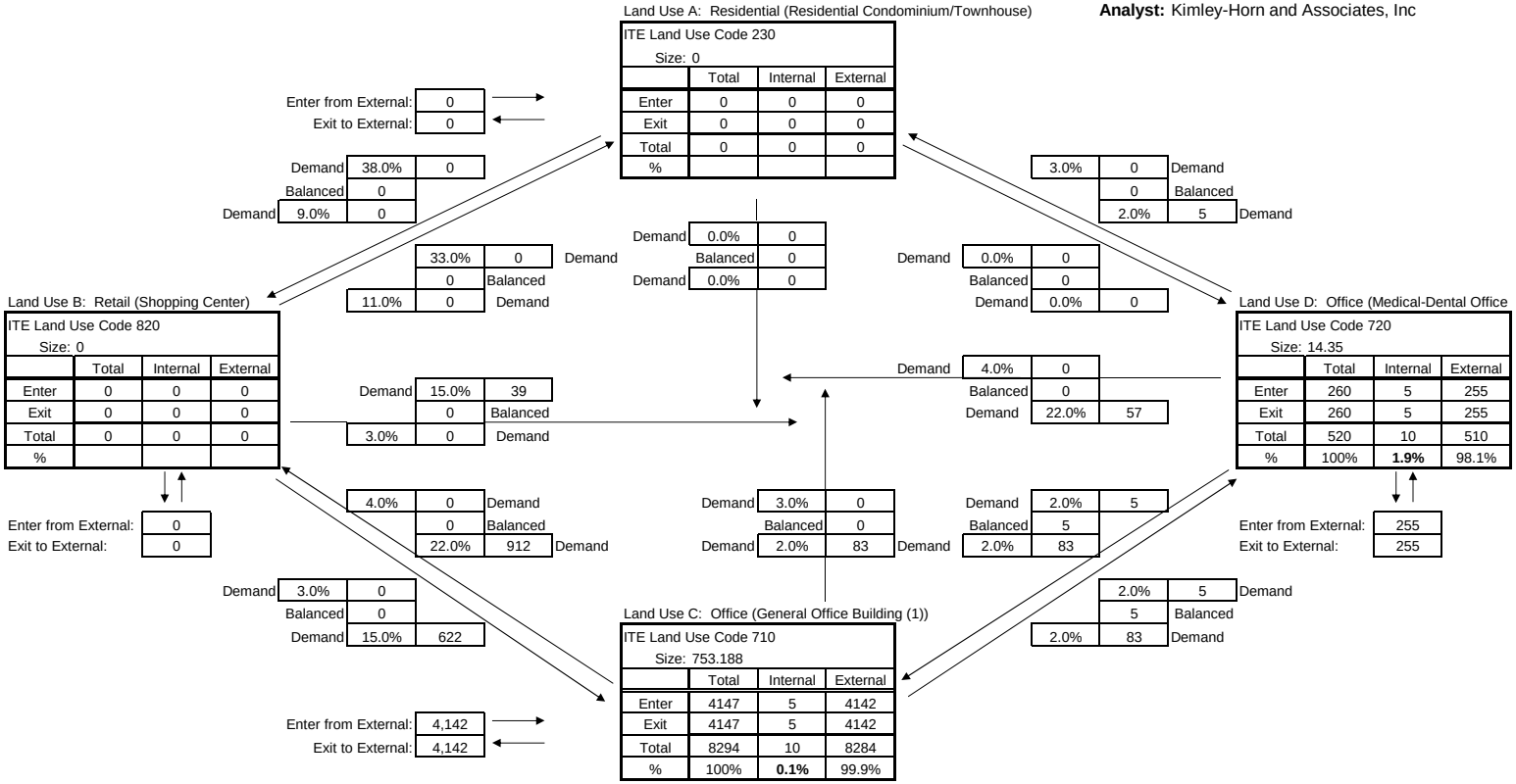
Category	Land Use A	B	C	D	Total
Enter	0	0	182	131	313
Exit	0	0	901	372	1,273
Total	0	0	1,083	503	**1,586**
Single Use Trip Gen Estimate	0	0	1,095	515	**1,610**

Overall Internal Capture = **1.49%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 4
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

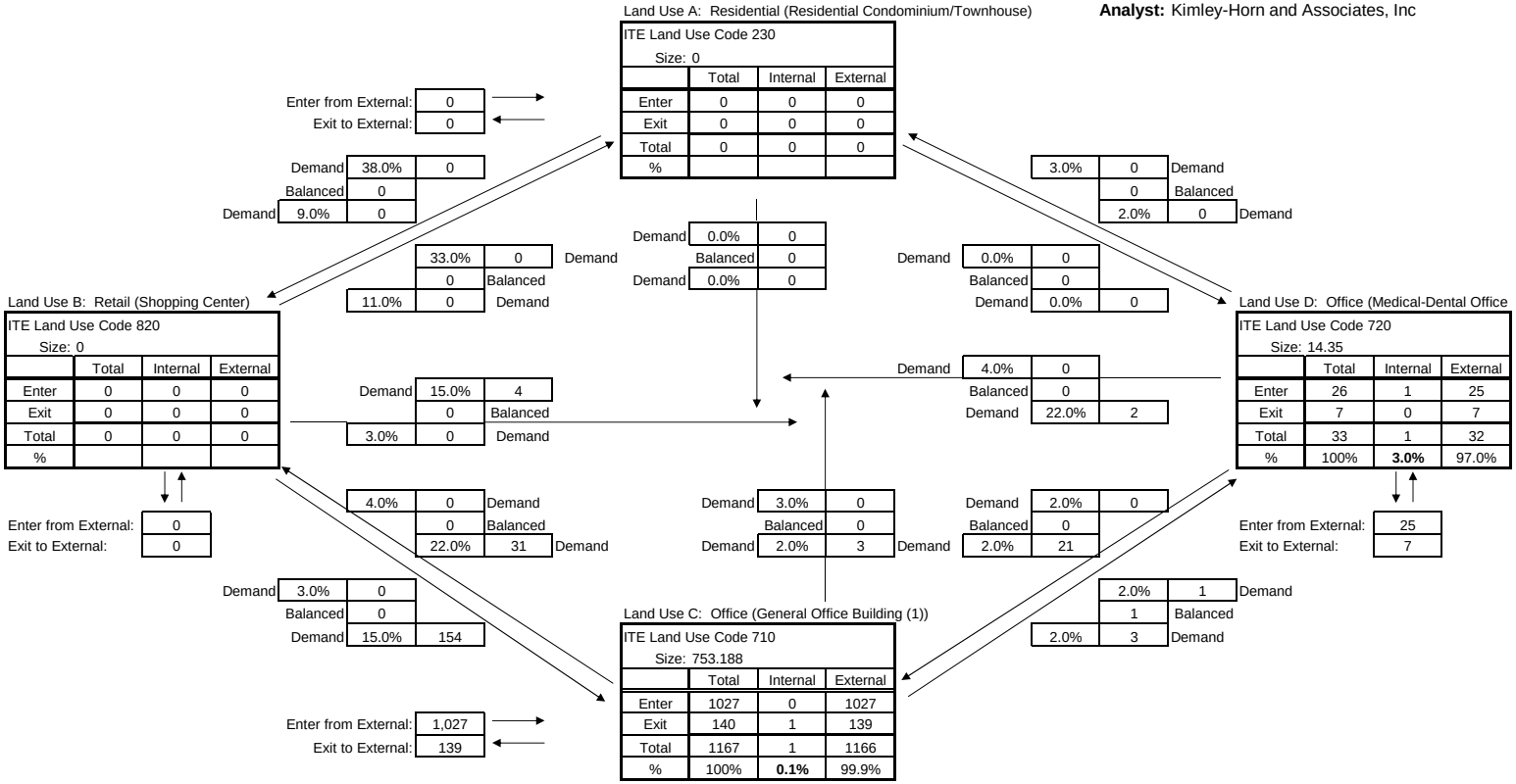
Category	Land Use A	B	C	D	Total
Enter	0	0	4,142	255	4,397
Exit	0	0	4,142	255	4,397
Total	0	0	8,284	510	**8,794**
Single Use Trip Gen Estimate	0	0	8,294	520	**8,814**

Overall Internal Capture = **0.23%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 4
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

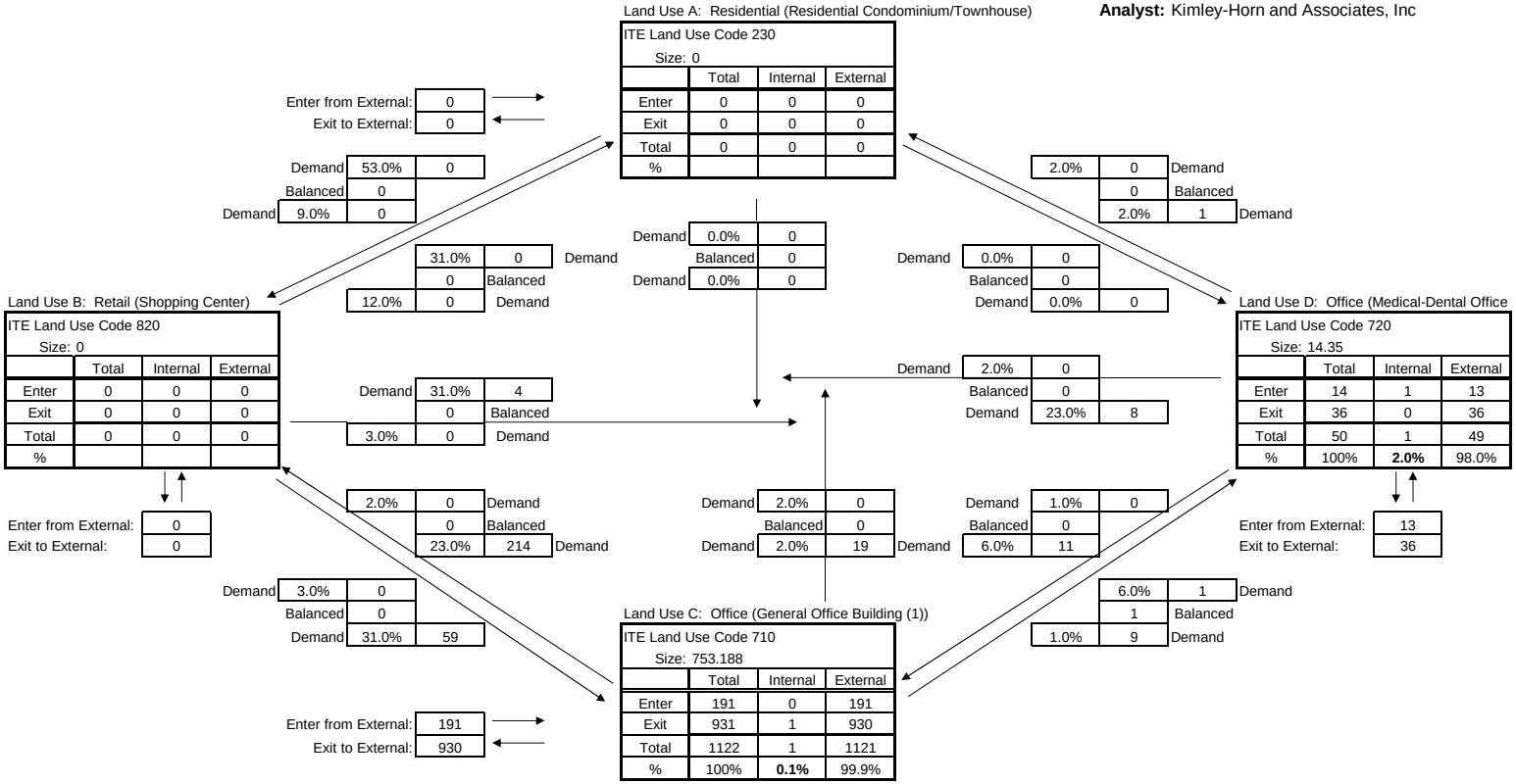
Category	Land Use A	B	C	D	Total
Enter	0	0	1,027	25	1,052
Exit	0	0	139	7	146
Total	0	0	1,166	32	**1,198**
Single Use Trip Gen Estimate	0	0	1,167	33	**1,200**

Overall Internal Capture = **0.17%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Existing Block Group 4
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



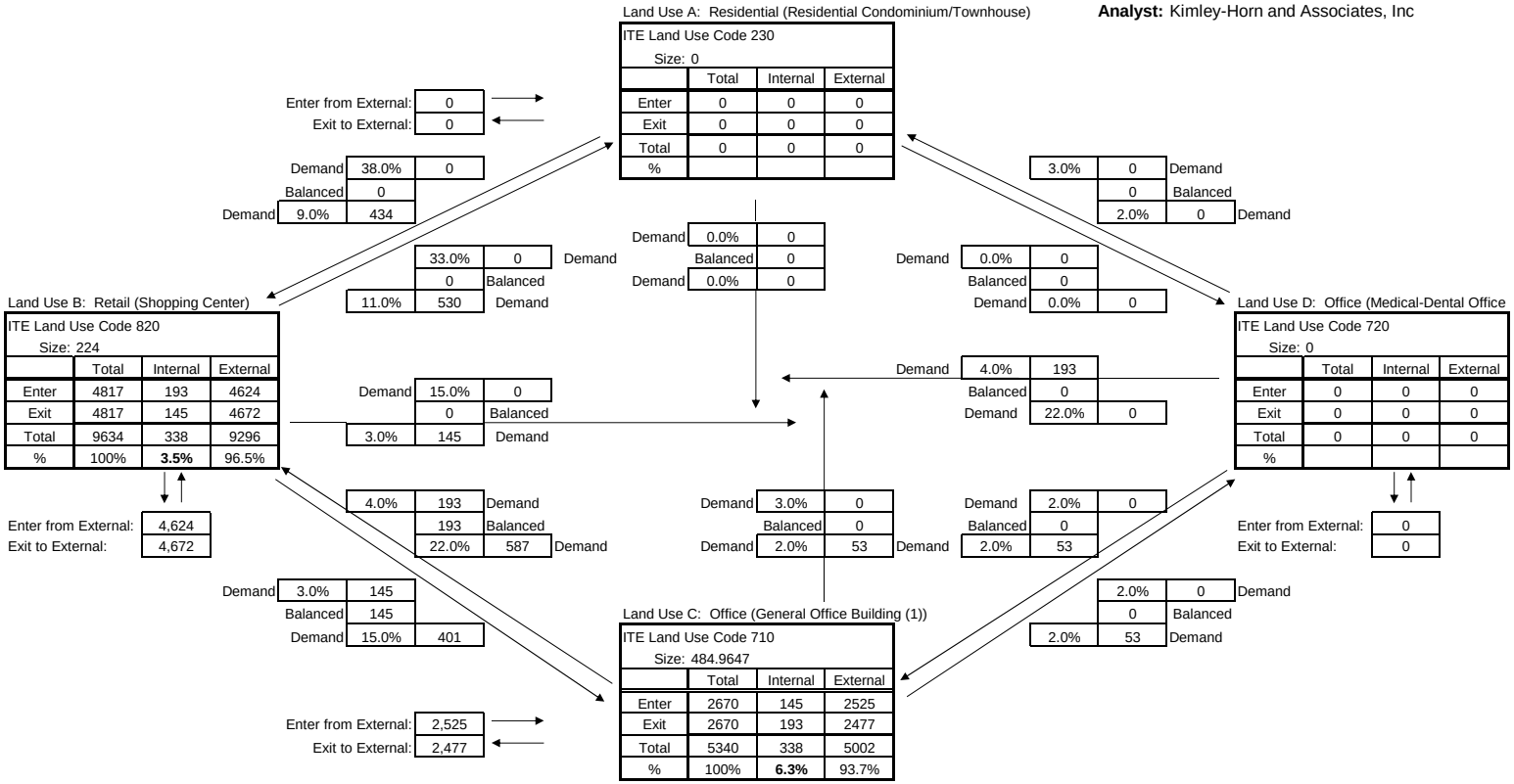
NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT					
	Land Use				
Category	A	B	C	D	Total
Enter	0	0	191	13	204
Exit	0	0	930	36	966
Total	0	0	1,121	49	**1,170**
Single Use Trip Gen Estimate	0	0	1,122	50	**1,172**

Overall Internal Capture = **0.17%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 1
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

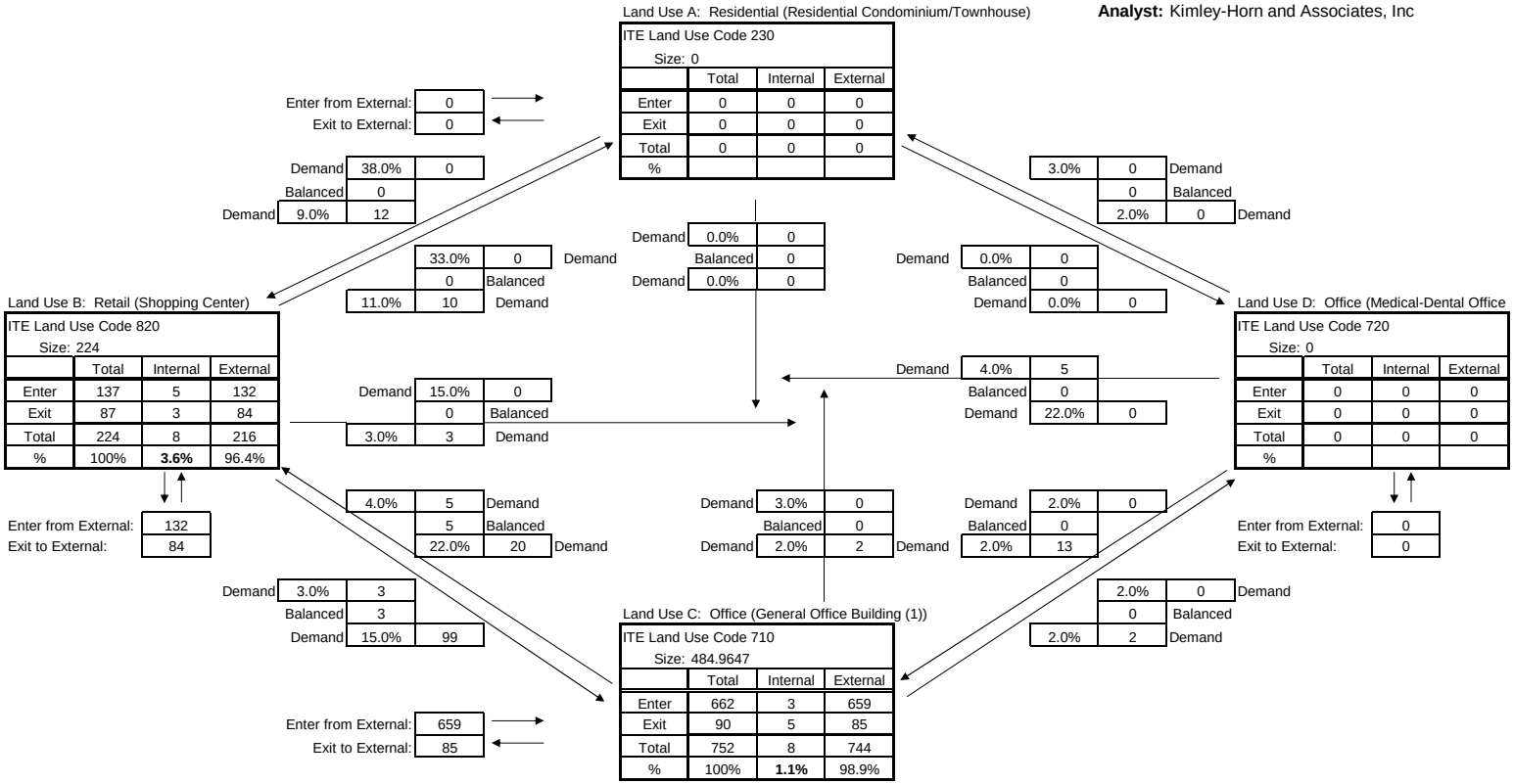
Category	Land Use A	B	C	D	Total
Enter	0	4,624	2,525	0	7,149
Exit	0	4,672	2,477	0	7,149
Total	0	9,296	5,002	0	**14,298**
Single Use Trip Gen Estimate	0	9,634	5,340	0	**14,974**

Overall Internal Capture = **4.51%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 1
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

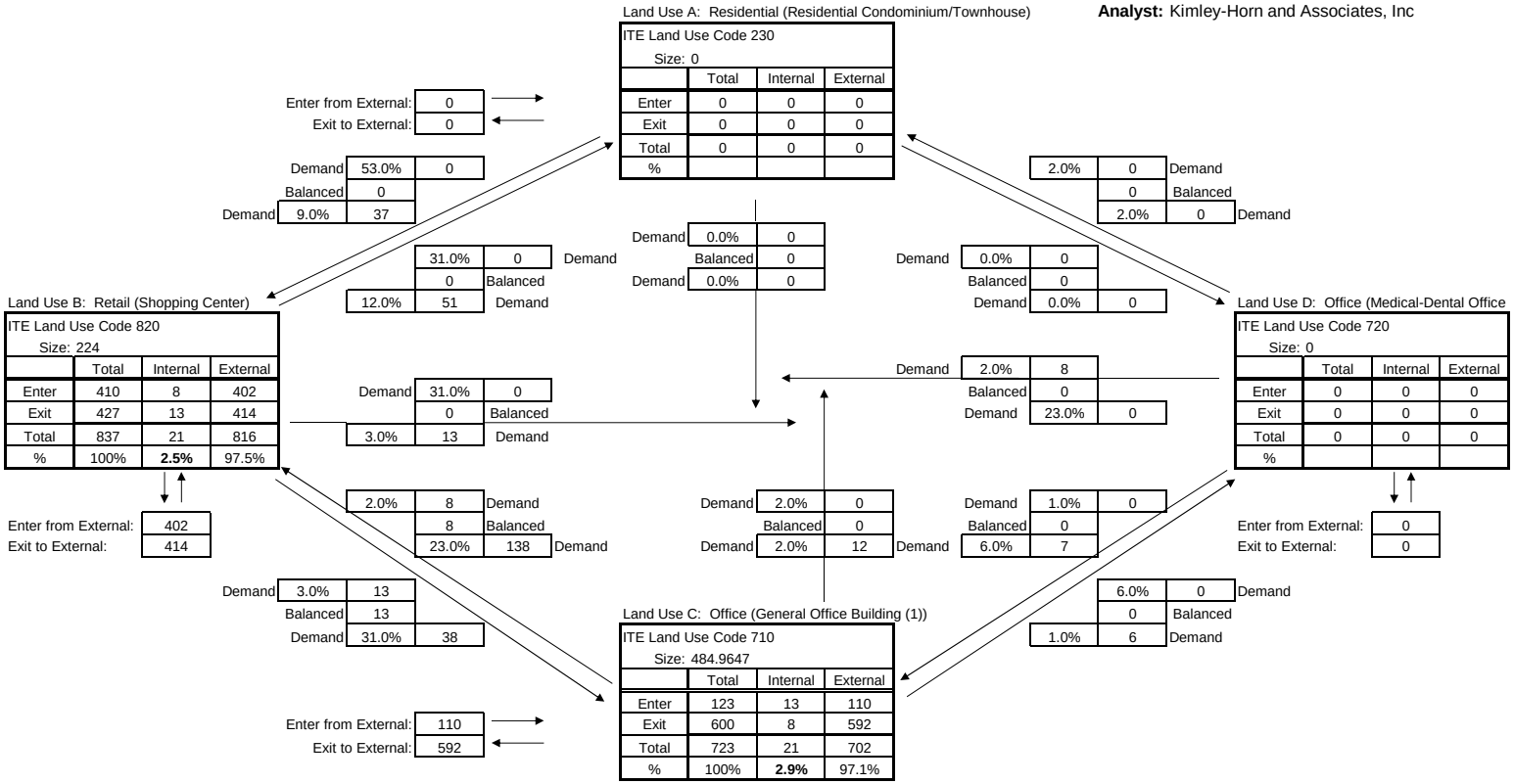
Category	Land Use A	B	C	D	Total
Enter	0	132	659	0	791
Exit	0	84	85	0	169
Total	0	216	744	0	**960**
Single Use Trip Gen Estimate	0	224	752	0	**976**

Overall Internal Capture = **1.64%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 1
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

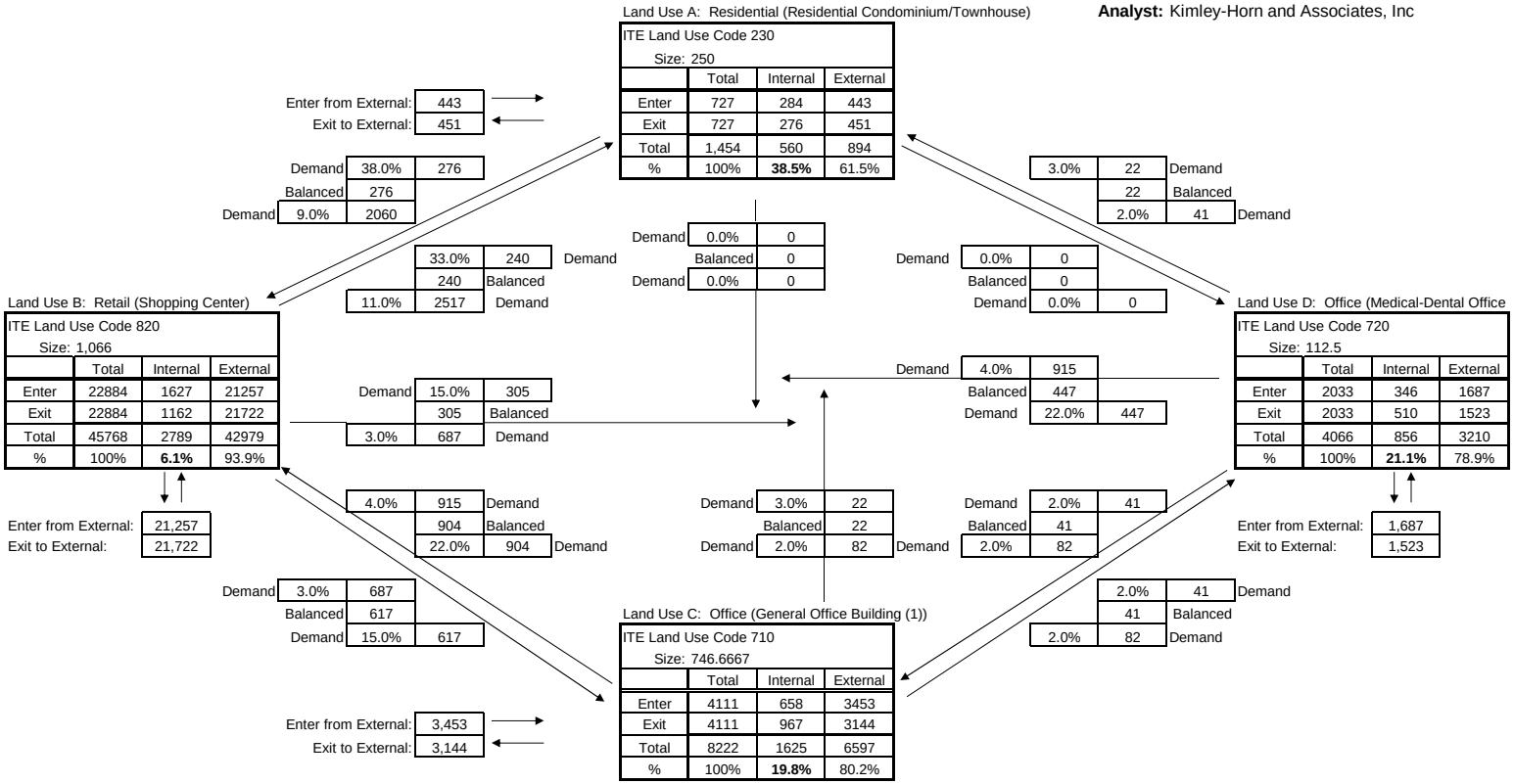
Category	Land Use A	B	C	D	Total
Enter	0	402	110	0	512
Exit	0	414	592	0	1,006
Total	0	816	702	0	**1,518**
Single Use Trip Gen Estimate	0	837	723	0	**1,560**

Overall Internal Capture = **2.69%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 2
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

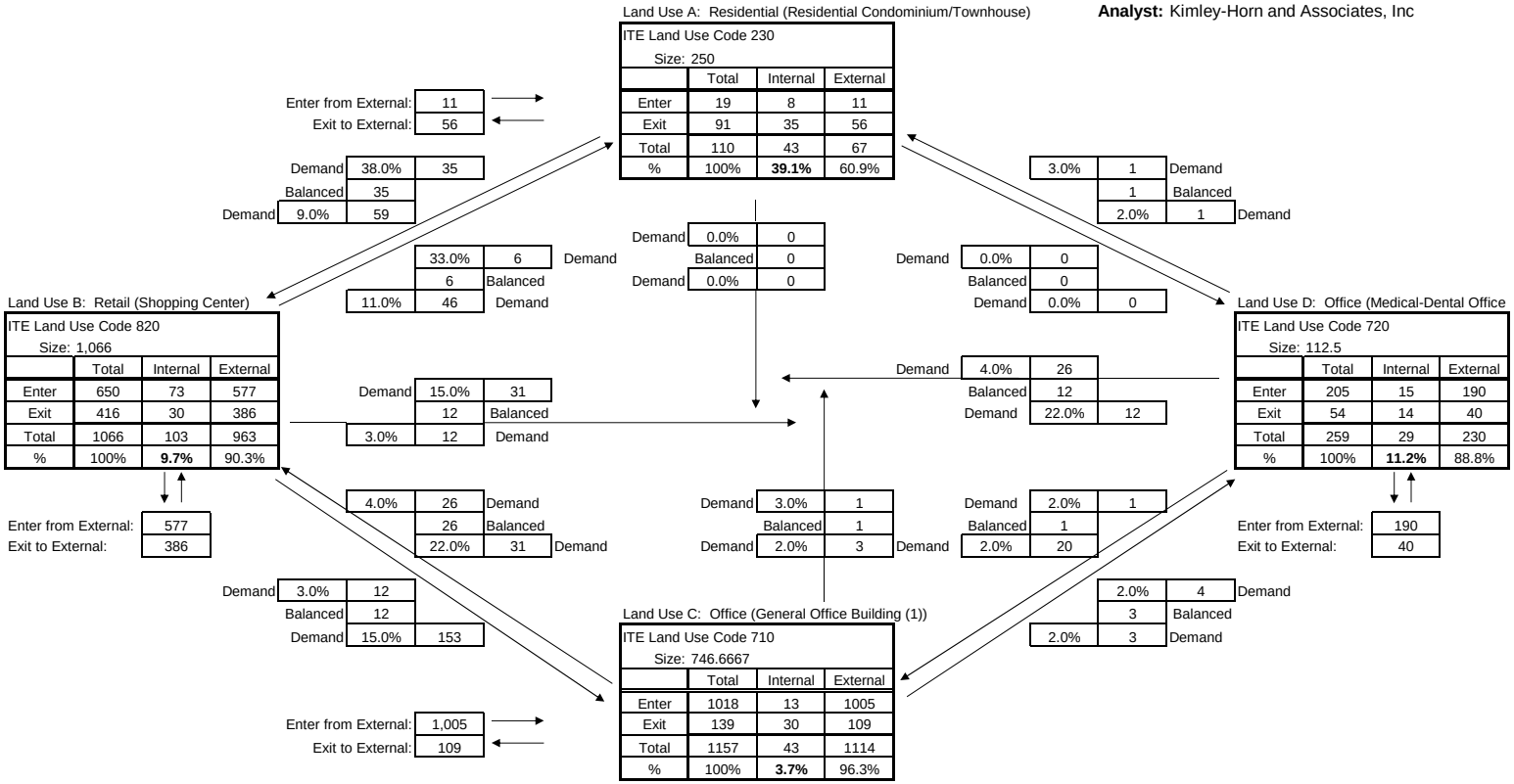
Category	Land Use A	B	C	D	Total
Enter	443	21,257	3,453	1,687	26,840
Exit	451	21,722	3,144	1,523	26,840
Total	894	42,979	6,597	3,210	**53,680**
Single Use Trip Gen Estimate	1,454	45,768	8,222	4,066	**59,510**

Overall Internal Capture = **9.80%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 2
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

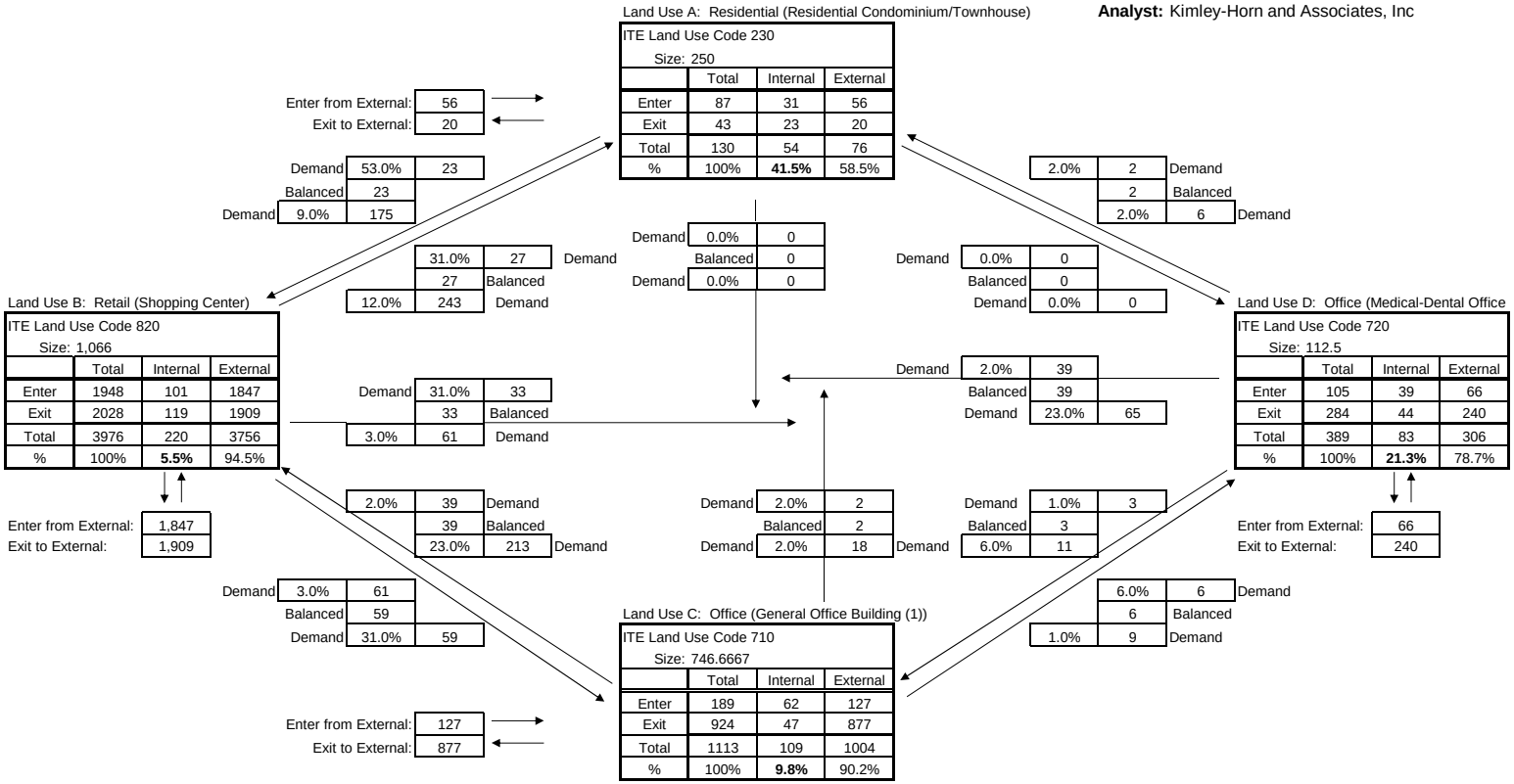
Category	Land Use A	B	C	D	Total
Enter	11	577	1,005	190	1,783
Exit	56	386	109	40	591
Total	67	963	1,114	230	**2,374**
Single Use Trip Gen Estimate	110	1,066	1,157	259	**2,592**

Overall Internal Capture = **8.41%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 2
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

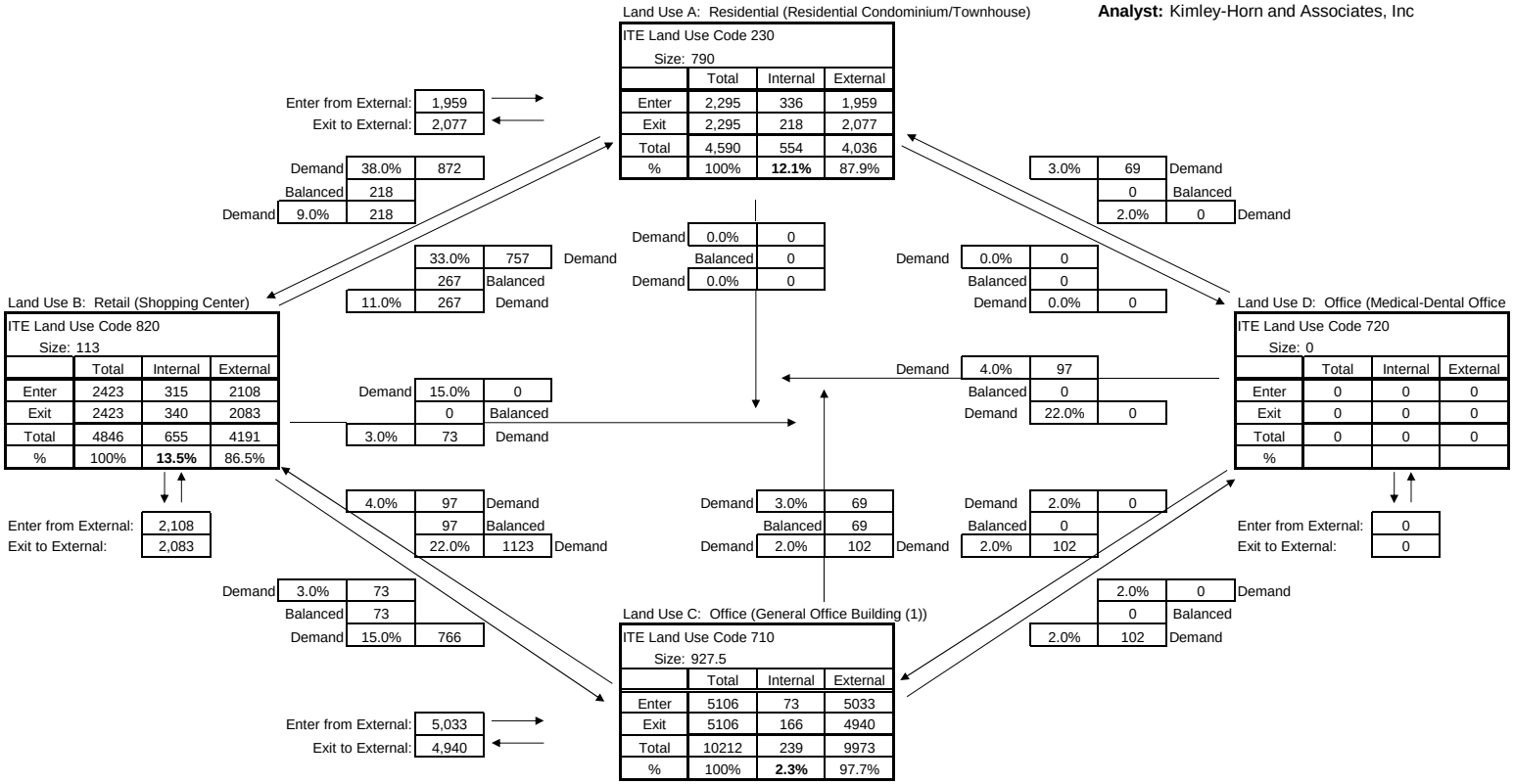
Category	Land Use A	B	C	D	Total
Enter	56	1,847	127	66	2,096
Exit	20	1,909	877	240	3,046
Total	76	3,756	1,004	306	**5,142**
Single Use Trip Gen Estimate	130	3,976	1,113	389	**5,608**

Overall Internal Capture = **8.31%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 3
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

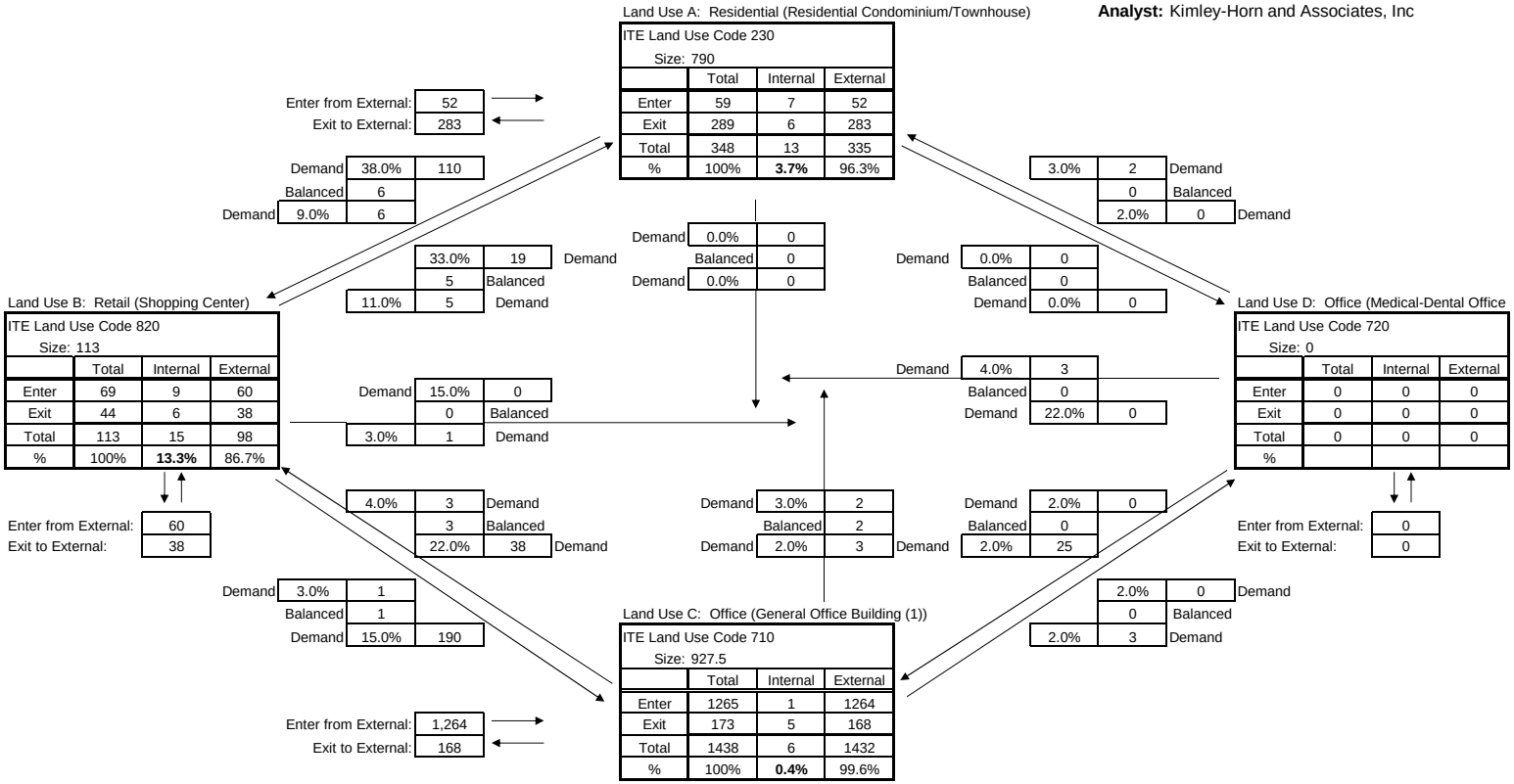
Category	Land Use A	B	C	D	Total
Enter	1,959	2,108	5,033	0	9,100
Exit	2,077	2,083	4,940	0	9,100
Total	4,036	4,191	9,973	0	**18,200**
Single Use Trip Gen Estimate	4,590	4,846	10,212	0	**19,648**

Overall Internal Capture = **7.37%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 3
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

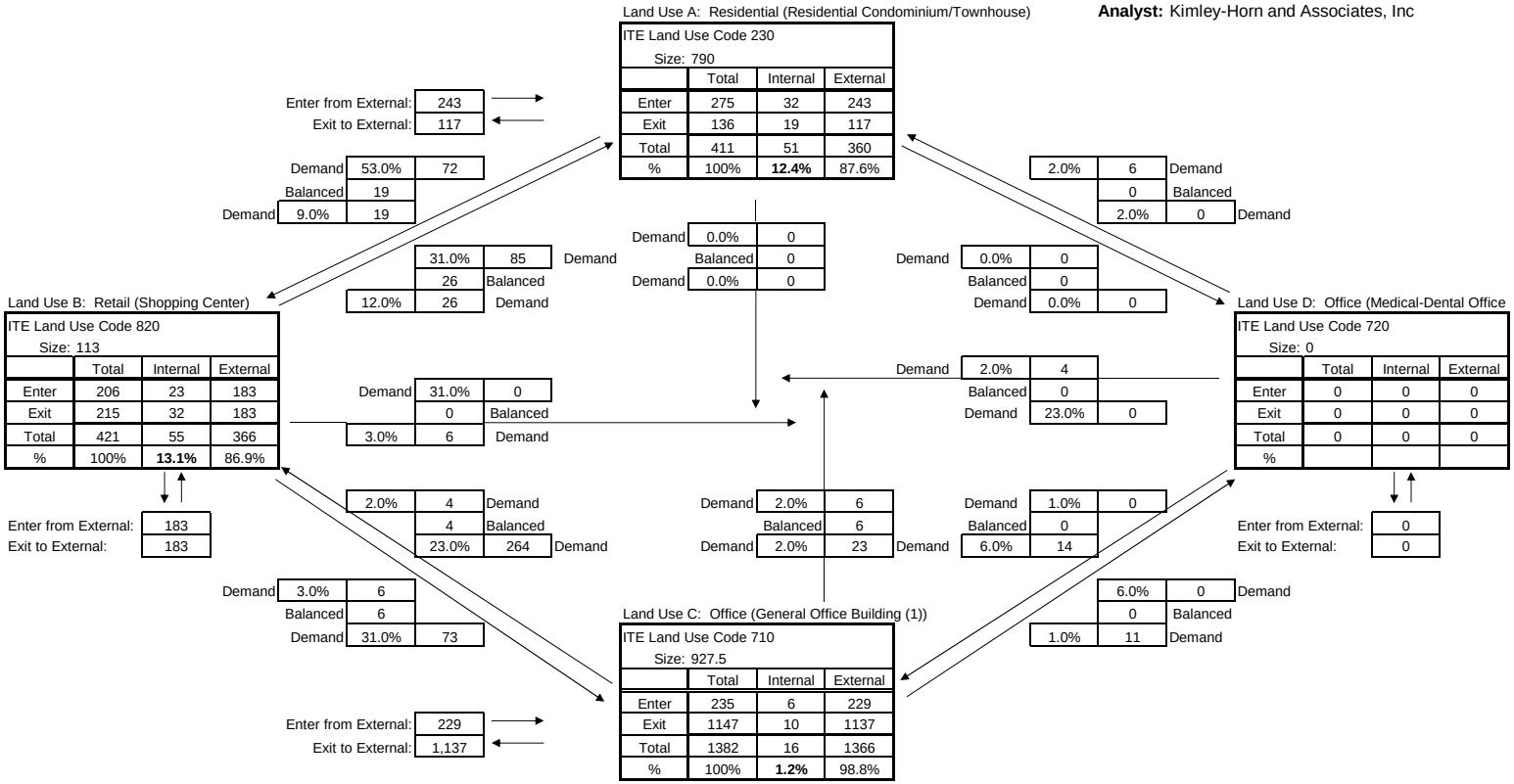
Category	Land Use A	B	C	D	Total
Enter	52	60	1,264	0	1,376
Exit	283	38	168	0	489
Total	335	98	1,432	0	**1,865**
Single Use Trip Gen Estimate	348	113	1,438	0	**1,899**

Overall Internal Capture = **1.79%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 3
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

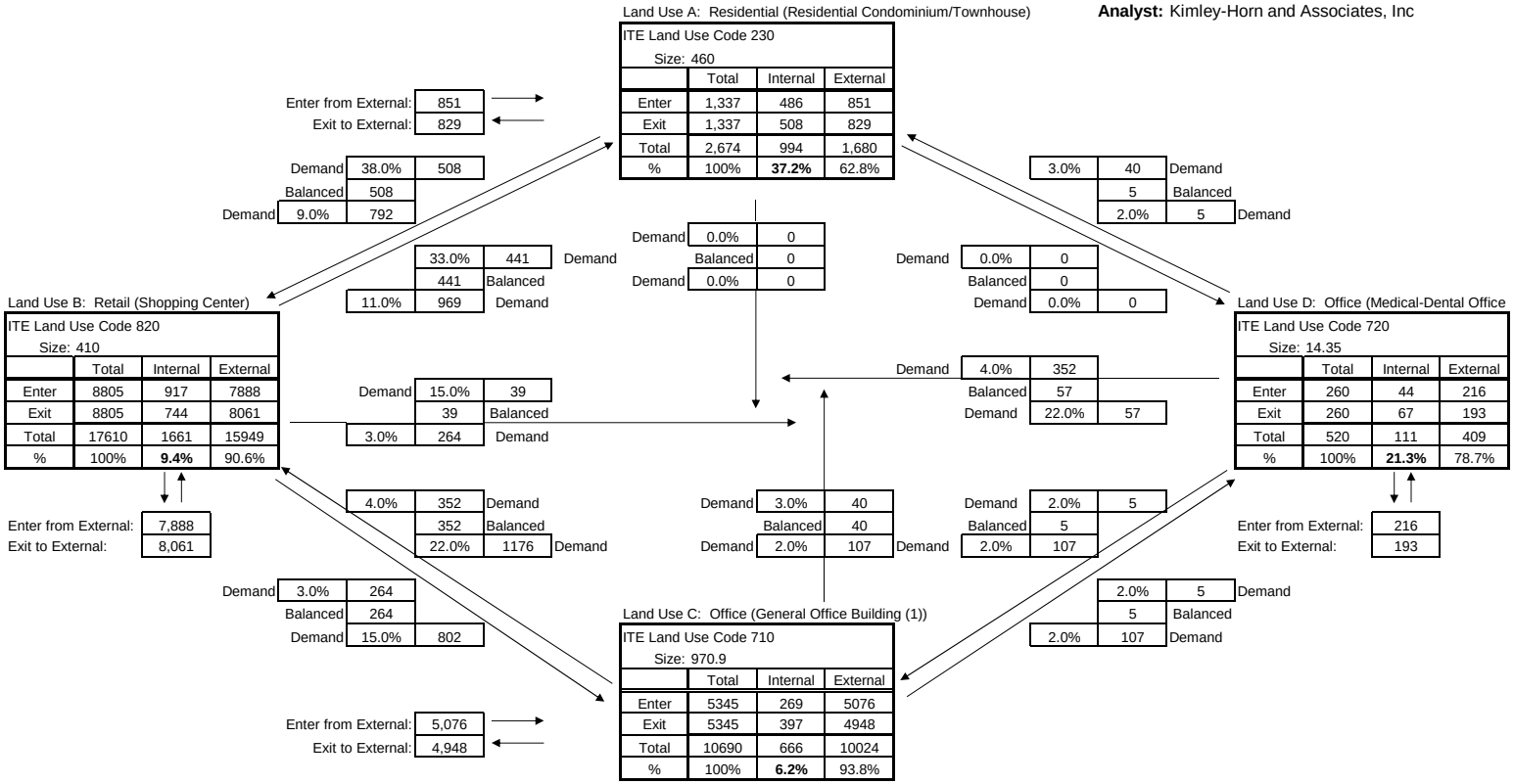
Category	Land Use A	B	C	D	Total
Enter	243	183	229	0	655
Exit	117	183	1,137	0	1,437
Total	360	366	1,366	0	**2,092**
Single Use Trip Gen Estimate	411	421	1,382	0	**2,214**

Overall Internal Capture = **5.51%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 4
Scenario:
Analysis Period: Daily
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

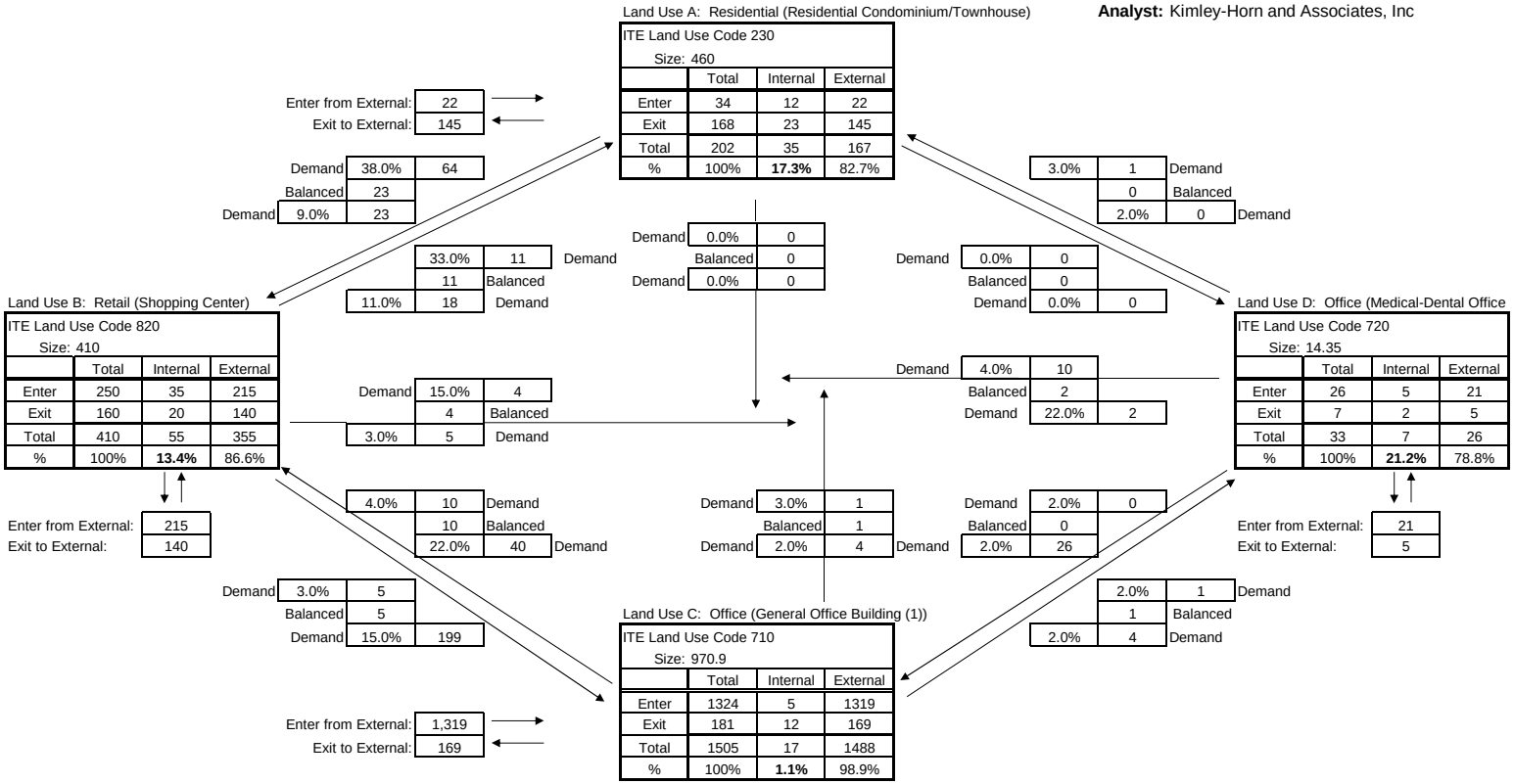
Category	Land Use A	B	C	D	Total
Enter	851	7,888	5,076	216	14,031
Exit	829	8,061	4,948	193	14,031
Total	1,680	15,949	10,024	409	**28,062**
Single Use Trip Gen Estimate	2,674	17,610	10,690	520	**31,494**

Overall Internal Capture = **10.90%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 4
Scenario:
Analysis Period: AM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

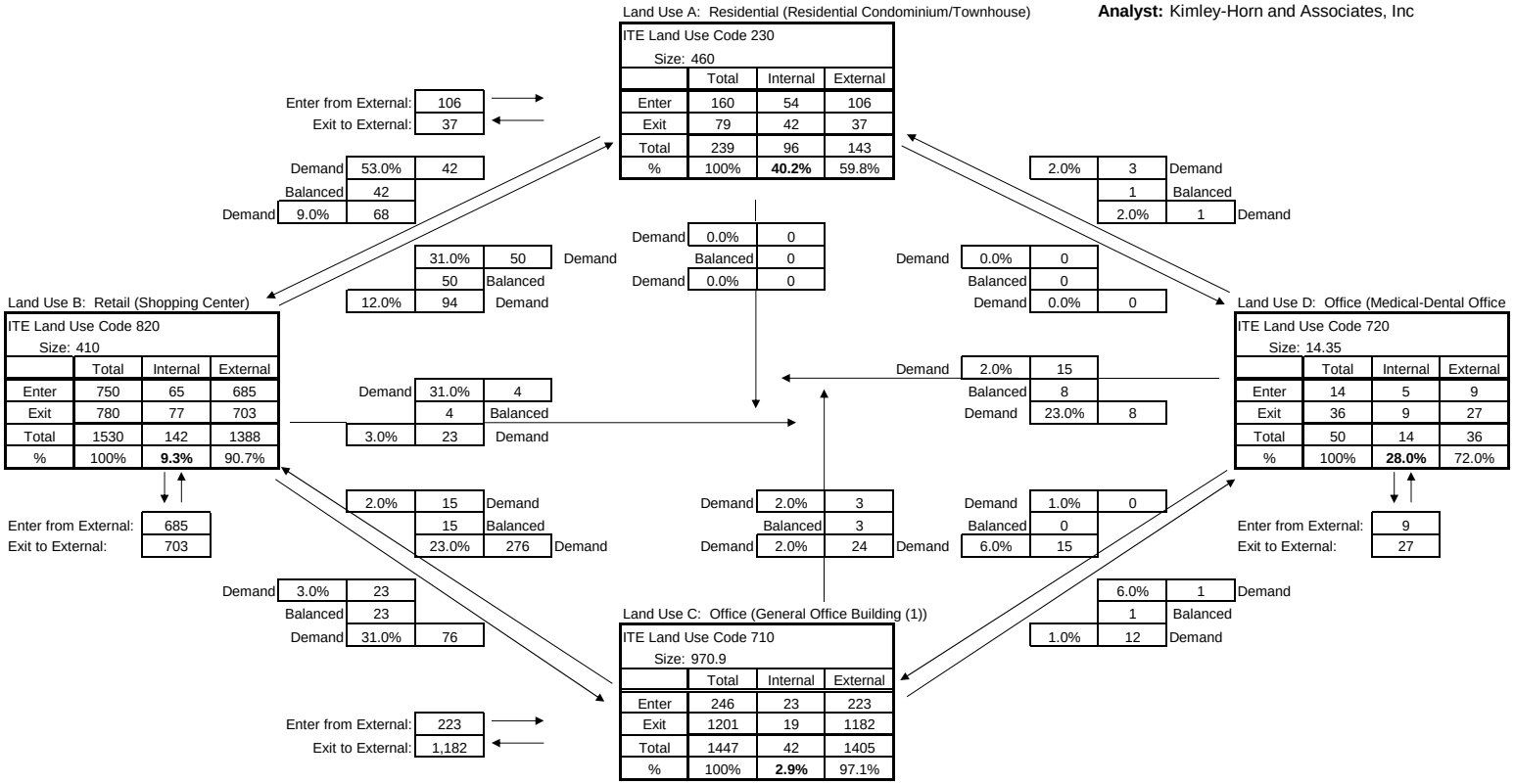
Category	Land Use A	B	C	D	Total
Enter	22	215	1,319	21	1,577
Exit	145	140	169	5	459
Total	167	355	1,488	26	**2,036**
Single Use Trip Gen Estimate	202	410	1,505	33	**2,150**

Overall Internal Capture = **5.30%**

ITE MULTI-USE PROJECT INTERNAL CAPTURE WORKSHEET

(Source: Chapter 7, ITE *Trip Generation Handbook*, June 2004)

Project Number: 097869000
Project Name: NCRSP - Proposed Block Group 4
Scenario:
Analysis Period: PM Peak
Analyst: Kimley-Horn and Associates, Inc



NET EXTERNAL TRIPS FOR MULTI-USE DEVELOPMENT

Category	Land Use A	B	C	D	Total
Enter	106	685	223	9	1,023
Exit	37	703	1,182	27	1,949
Total	143	1,388	1,405	36	**2,972**
Single Use Trip Gen Estimate	239	1,530	1,447	50	**3,266**

Overall Internal Capture = **9.00%**

E. CCTA Model Data and Cumulative Plus Project Volume Calculations

NORTH CAMINO RAMON SPECIFIC PLAN

Development Assumptions by Subarea

SUBAREA	Site Area (sq ft)	Site Area (Acres)	Current Bldg Area (sq ft)	Current Development (sq ft)			Proposed Commercial (sq ft)	Commercial to Remain (sq ft)	Net new Residential (sq ft)	Net new Residential (MFDU)	Total Commercial (sq ft)	Total Development (sq ft)	Total Commercial By Type			Commercial Area Convert to Emp.		
				Retail	Non-Retail	Total							Big Box Retail	GF Retail	Non-Retail/ Office	Retail	Service	Other
A	557,870	12.8	313,001	0	313,001	313,001	0	313,001	0	0	313,001	313,001	0	0	313,001	0	1,043	0
B	837,833	19.2	239,142	119,571	119,571	239,142	0	239,142	0	0	239,142	239,142	0	119,571	119,571	143	470	24
C	589,715	13.5	173,098	86,549	86,549	173,098	130,000	27,181	0	0	157,181	157,181	52,394	52,394	52,394	157	206	21
D1	846,879	19.4	228,203	228,203	0	228,203	535,000	0	0	0	535,000	535,000	85,000	225,000	225,000	423	885	62
D2	558,396	12.8	217,036	47,748	169,288	217,036	300,000	0	0	0	300,000	300,000	100,000	100,000	100,000	300	393	40
D3	539,342	12.4	139,269	0	139,269	139,269	235,000	0	55,000	50	235,000	290,000	78,333	78,333	78,333	235	308	31
D4	373,478	8.6	100,752	0	100,752	100,752	150,000	0	0	0	150,000	150,000	50,000	50,000	50,000	150	197	20
D5	736,164	16.9	61,192	0	61,192	61,192	295,000	0	110,000	100	295,000	405,000	98,333	98,333	98,333	295	387	39
D6	736,001	16.9	272,560	0	272,560	272,560	410,000	0	110,000	100	410,000	520,000	0	102,500	307,500	123	1,087	21
E1	823,738	18.9	239,919	0	239,919	239,919	410,000	0	0	0	410,000	410,000	0	0	410,000	0	1,367	0
E2	483,080	11.1	148,725	0	148,725	148,725	50,000	0	484,000	440	50,000	534,000	0	12,500	37,500	15	133	3
F1	599,212	13.8	344,182	0	344,182	344,182	450,000	90,326	0	0	540,326	540,326	0	90,326	450,000	108	1,554	18
F2	630,633	14.5	150,960	0	150,960	150,960	40,000	0	385,000	350	40,000	425,000	0	10,000	30,000	12	106	2
G1	123,362	2.8	14,350	0	14,350	14,350	0	14,350	0	0	14,350	14,350	0	0	14,350	0	48	0
G2	931,443	21.4	228,188	0	228,188	228,188	270,000	0	0	0	270,000	270,000	135,000	108,000	27,000	373	155	49
G3	370,260	8.5	0	0	0	0	140,000	0	121,000	110	140,000	261,000	0	70,000	70,000	84	275	14
G4	1,351,666	31.0	525,000	0	525,000	525,000	971,000	0	385,000	350	971,000	1,356,000	0	97,100	873,900	117	2,971	19
TOTALS	**11,089,072**	**254.6**	**3,395,577**	**482,071**	**2,913,506**	**3,395,577**	**4,386,000**	**684,000**	**1,650,000**	**1,500**	**5,070,000**	**6,720,000**	**599,060**	**1,214,057**	**3,256,882**	**2,535**	**11,585**	**363**

Note:
(1) Land Use Data for Buildout of the North Camino Specific Plan Area provided by Cannon and Associates (8/19/10)

NORTH CAMINO RAMON SPECIFIC PLAN

Employment Conversion Factors

Land Use	Sq. ft. per Employee	Distribution by Employment Type		
		Retail	Service	Other
Big Box Retail	500	90%	0%	10%
Ground Floor Retail	500	60%	30%	10%
Office	300	0%	100%	0%

NORTH CAMINO RAMON SPECIFIC PLAN

North Camino Ramon SP Subareas - Summary by TAZ

CCTA Model TAZ	NCRSP SUBAREA	NCRSP[2] Housing (Buildout)			CCTA 2030[3] - Housing			NCRSP[2] - Employment (Buildout)							CCTA 2030[3] - Employment (Buildout)						
		SFDU	MFDU	Total	SFDU	MFDU	Total	Retail	Service	Other	Agr	Mfg	Trade	Total Empl.	Retail	Service	Other	Agr	Mfg	Trade	Total Empl.
40095	A,B,C	0	0	0	0	833	833	301	1,720	45	0	0	0	2,065	1,993	0	0	0	0	0	1,993
40096	F1,F2	0	350	350	0	174	174	120	1,660	20	0	0	0	1,801	1,029	0	0	0	0	0	1,029
40097	D1,D2,D3,E1,	0	50	50	0	290	290	958	2,953	133	0	0	0	4,044	1,594	1,062	0	0	0	0	2,656
40098	D4,D5,D6,E2	0	640	640	0	812	812	583	1,802	82	0	0	0	2,468	1,092	894	0	0	0	0	1,986
40106	G1,G2,G3,G4	0	460	460	0	0	0	573	6,347	82	0	0	0	7,002	600	3,648	0	0	0	0	4,248
	Totals	**0**	**1,500**	**1,500**	**0**	**2,109**	**2,109**	**2,535**	**14,483**	**363**	**0**	**0**	**0**	**17,381**	**6,308**	**5,604**	**0**	**0**	**0**	**0**	**11,912**
	Difference						**609**														**5,469**

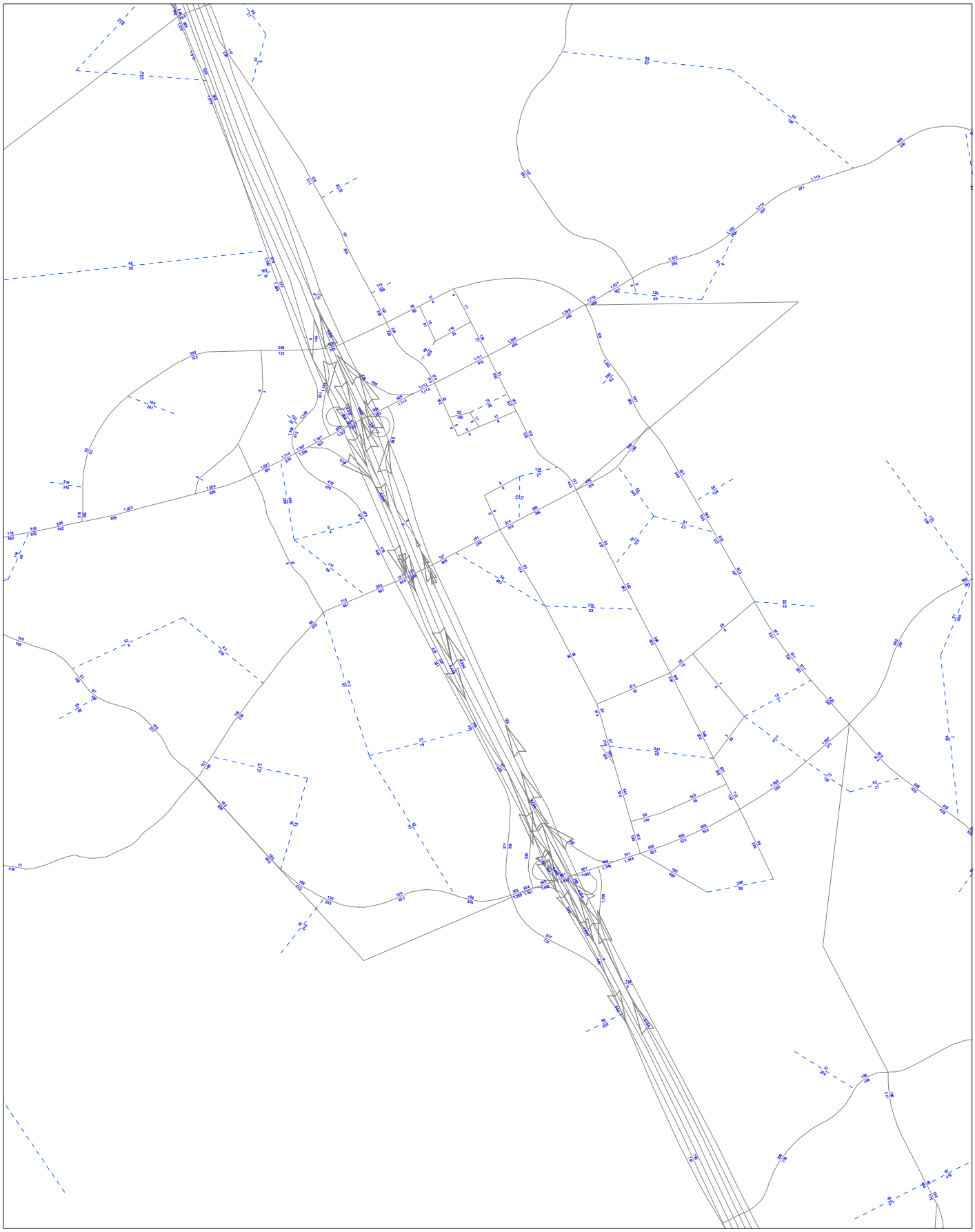
Note:

(1) The boundary lines for TAZ 40106 extend beyond the subarea boundaries of the specific plan area.

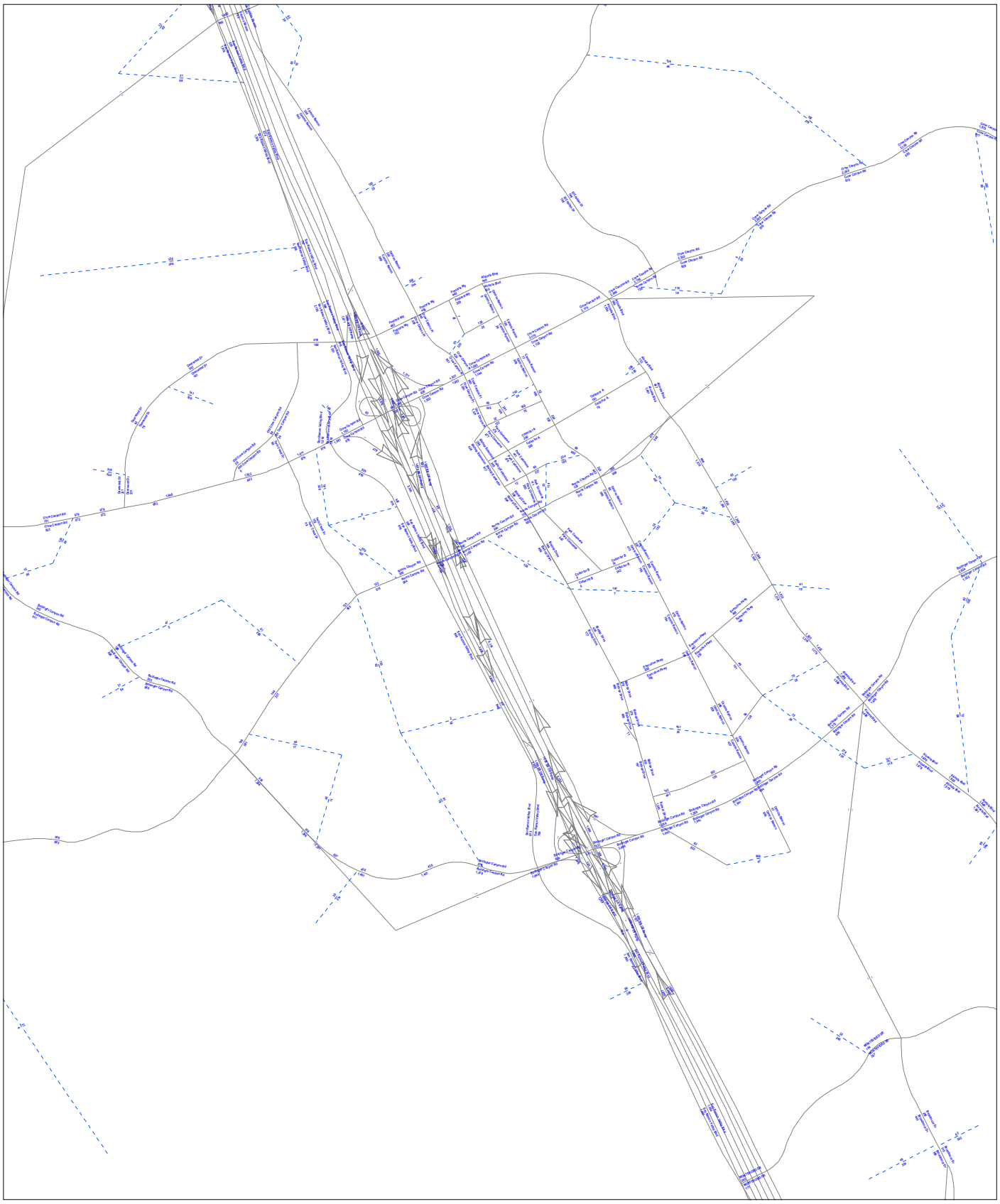
(2) Land Use Data for Buildout of the North Camino Specific Plan Area provided by Cannon and Associates (8/19/10)

(3) Source of Land Use Data: CCTA Travel Demand Forecasting Model (2030 Model Runs for San Ramon General Plan Update)

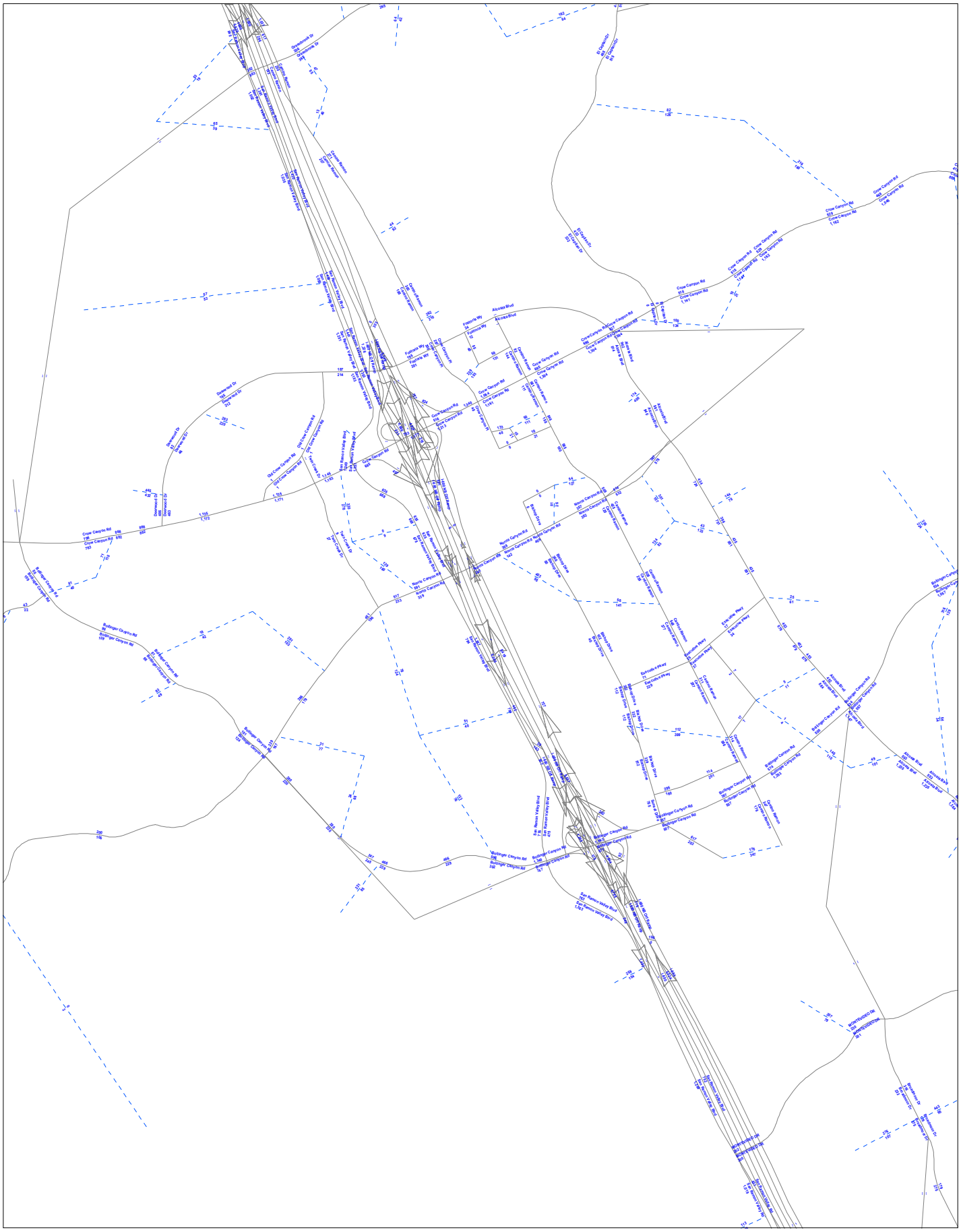
(4) NCRSP Estimates: Service employment for TAZ 40106 was increased by 2,898 to account for additional office employees in TAZ outside of NCRSP boundary.



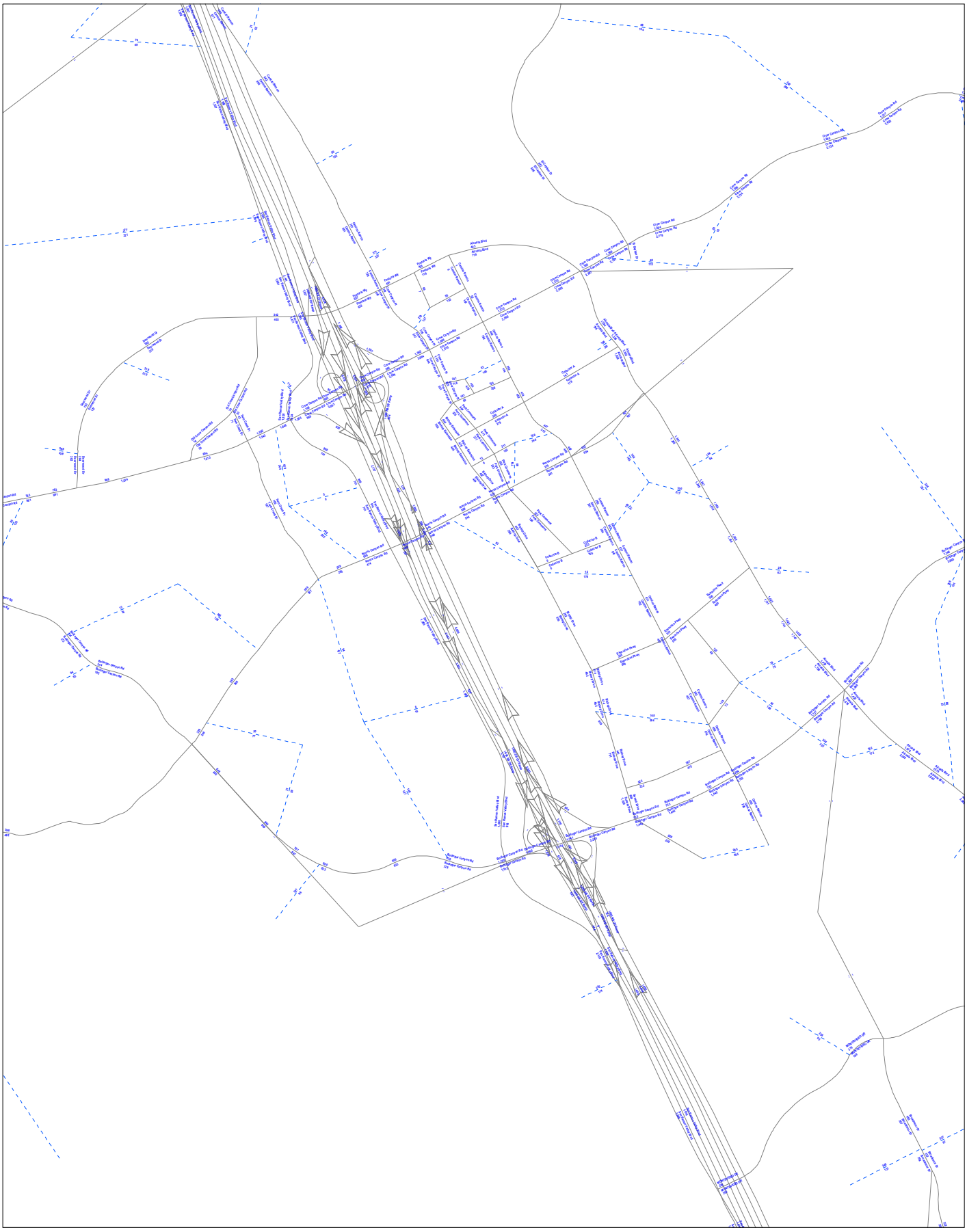
2000 AM Peak (Updated 2/5/10)



NCRSP - 2030 AM Peak Volumes (10/22/10)



2000 PM Peak (Updated 2/5/10)

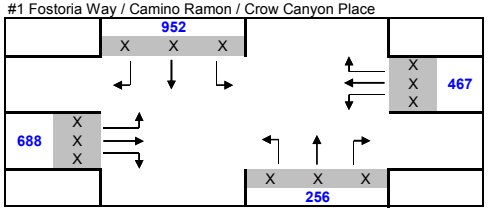


NCRSP 2030 PM Peak Volumes (10/22/10)

CUMULATIVE AM VOLUME CALCULATIONS

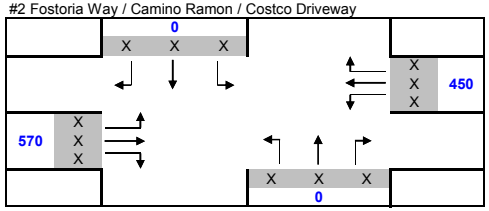
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



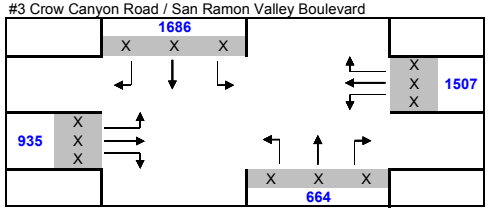
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



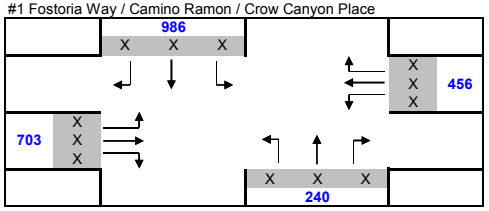
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



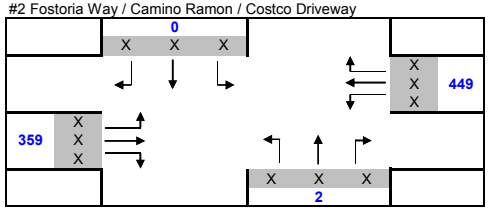
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



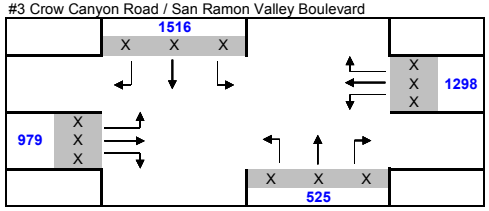
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



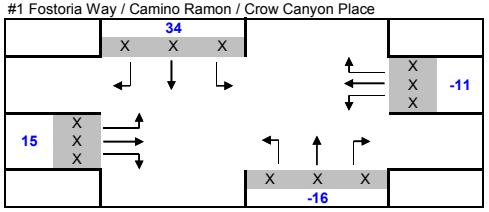
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



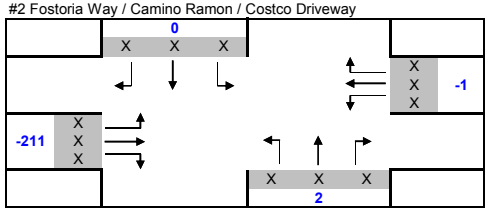
NET CHANGE IN APPROACH VOLUME - AM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



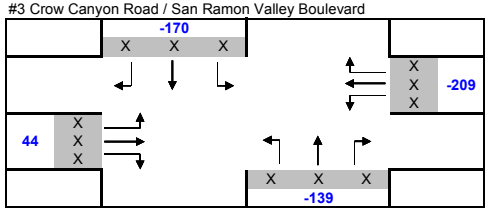
NET CHANGE IN APPROACH VOLUME - AM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



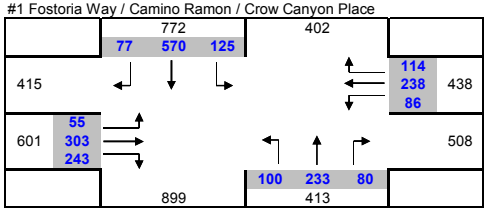
NET CHANGE IN APPROACH VOLUME - AM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



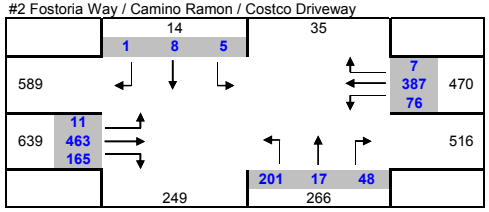
2030 SAN RAMON GENERAL TRAFFIC VOLUMES - AM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



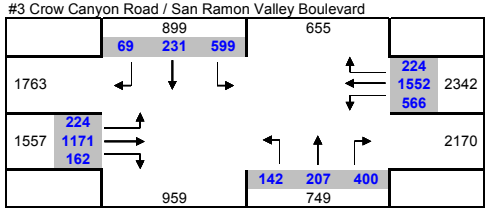
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



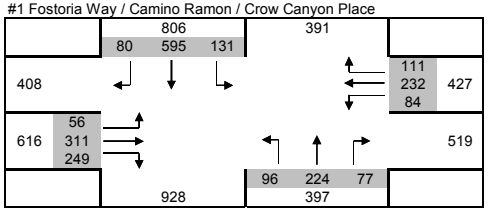
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



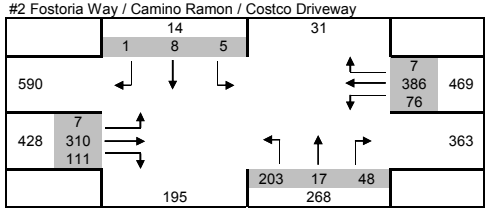
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



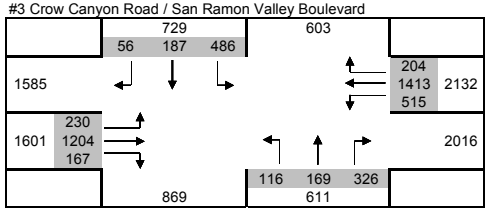
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard

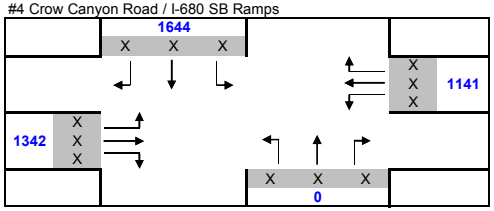


Source of Model Data: CCTA Travel Demand Forecasting Model

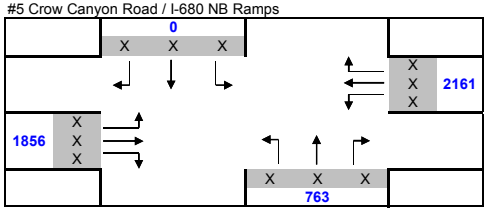
K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

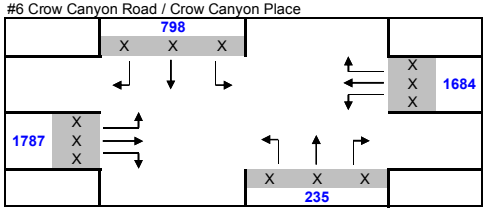
#4 Crow Canyon Road / I-680 SB Ramps



#5 Crow Canyon Road / I-680 NB Ramps

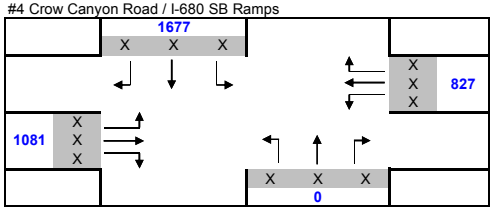


#6 Crow Canyon Road / Crow Canyon Place

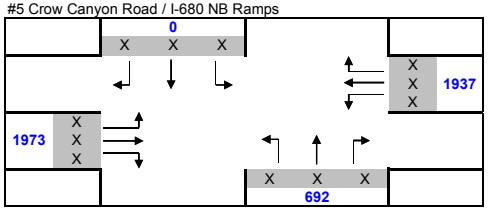


2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

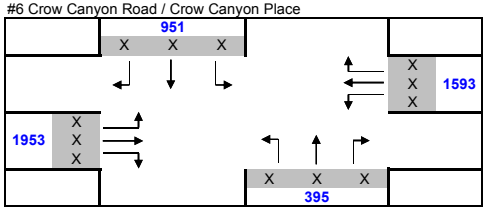
#4 Crow Canyon Road / I-680 SB Ramps



#5 Crow Canyon Road / I-680 NB Ramps

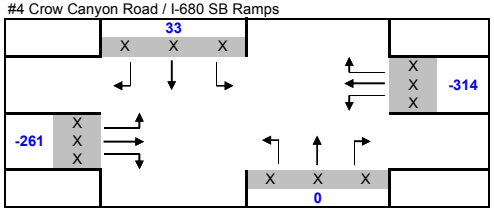


#6 Crow Canyon Road / Crow Canyon Place

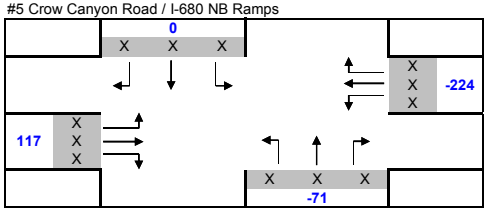


NET CHANGE IN APPROACH VOLUME - AM PEAK

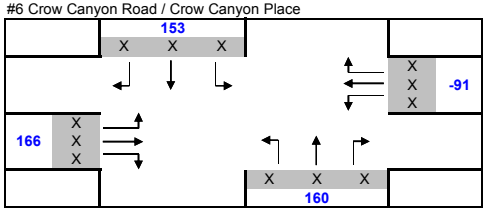
#4 Crow Canyon Road / I-680 SB Ramps



#5 Crow Canyon Road / I-680 NB Ramps

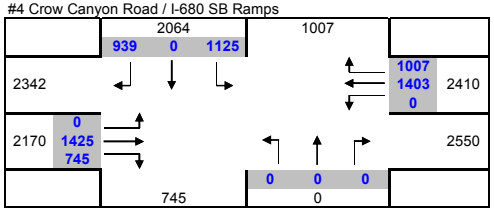


#6 Crow Canyon Road / Crow Canyon Place

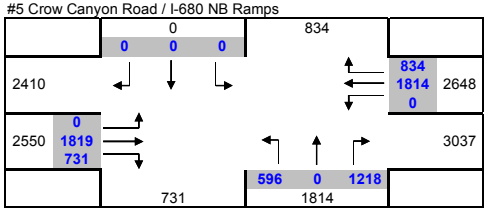


2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

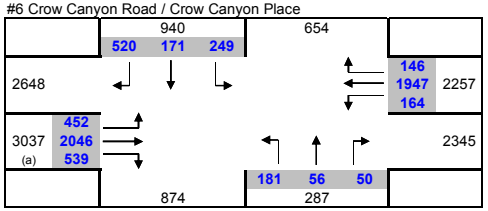
#4 Crow Canyon Road / I-680 SB Ramps



#5 Crow Canyon Road / I-680 NB Ramps



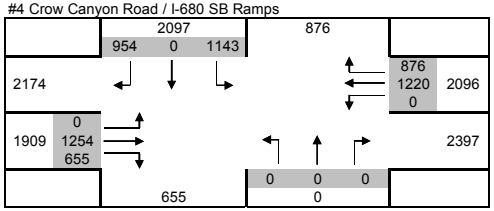
#6 Crow Canyon Road / Crow Canyon Place



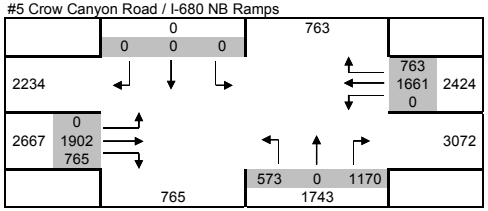
(a) RT volume adjusted from 778 to 539 to reflect change in traffic patterns per more current traffic data.

PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

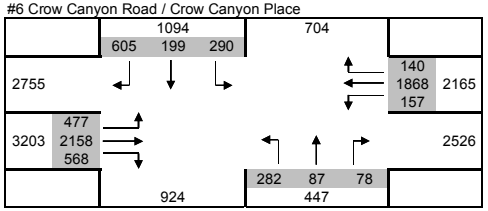
#4 Crow Canyon Road / I-680 SB Ramps



#5 Crow Canyon Road / I-680 NB Ramps



#6 Crow Canyon Road / Crow Canyon Place

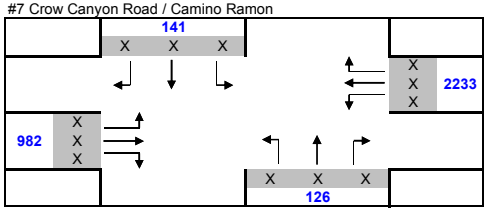


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

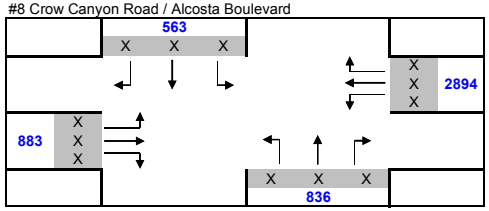
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#7 Crow Canyon Road / Camino Ramon



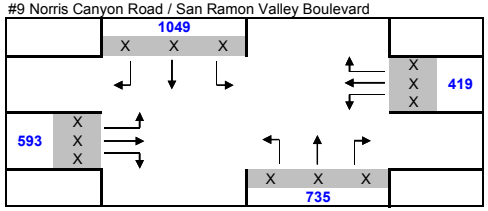
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



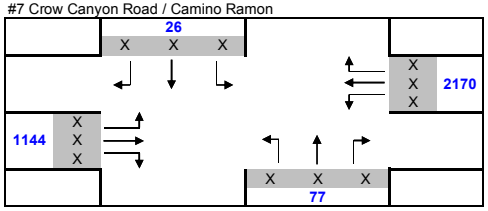
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



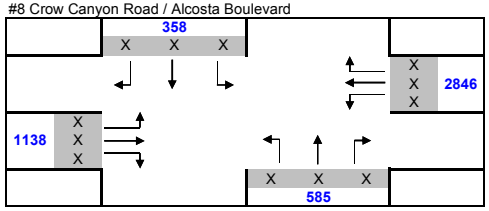
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#7 Crow Canyon Road / Camino Ramon



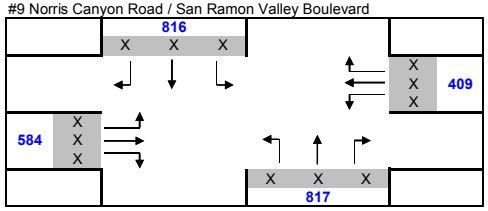
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



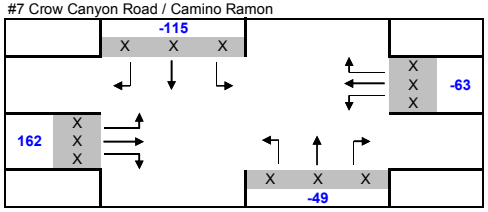
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



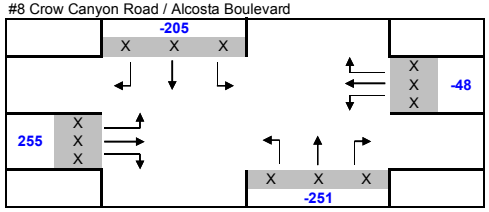
NET CHANGE IN APPROACH VOLUME - AM PEAK

#7 Crow Canyon Road / Camino Ramon



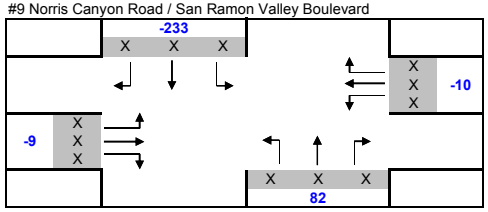
NET CHANGE IN APPROACH VOLUME - AM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



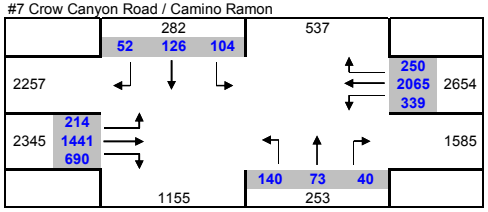
NET CHANGE IN APPROACH VOLUME - AM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



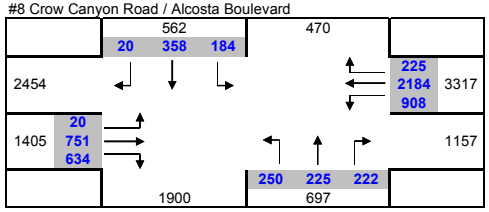
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#7 Crow Canyon Road / Camino Ramon



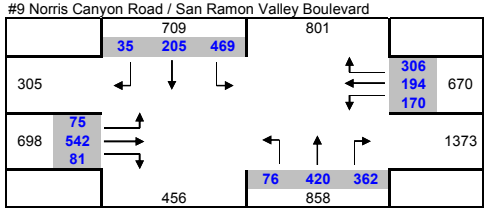
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



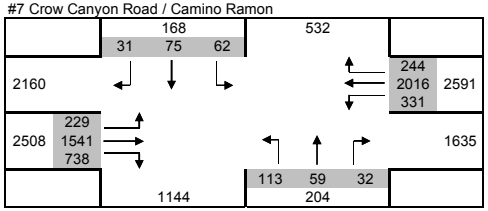
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



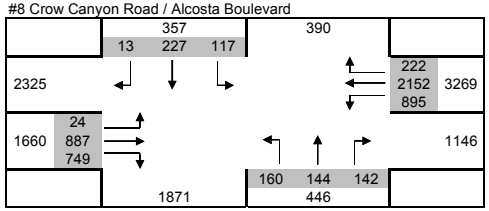
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#7 Crow Canyon Road / Camino Ramon



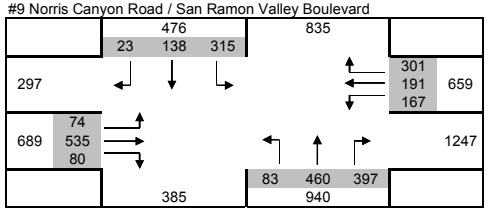
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard

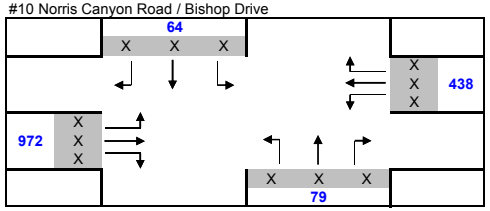


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

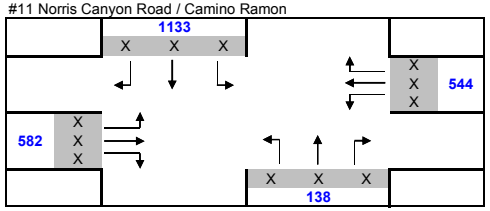
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#10 Norris Canyon Road / Bishop Drive



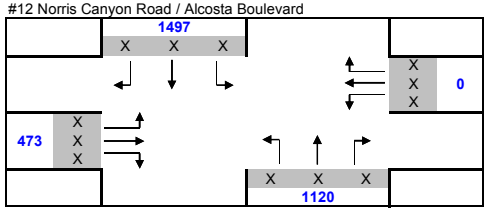
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#11 Norris Canyon Road / Camino Ramon



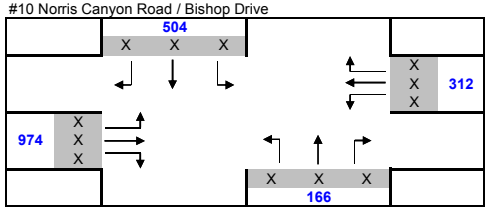
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



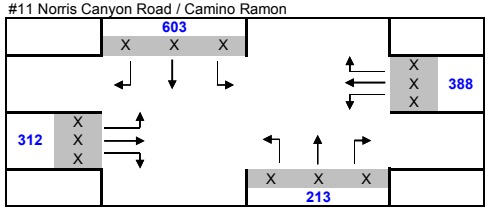
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#10 Norris Canyon Road / Bishop Drive



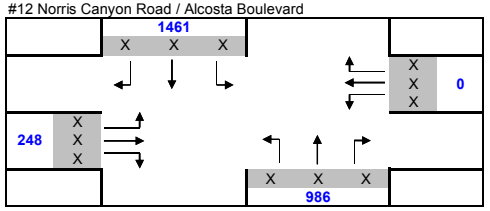
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#11 Norris Canyon Road / Camino Ramon



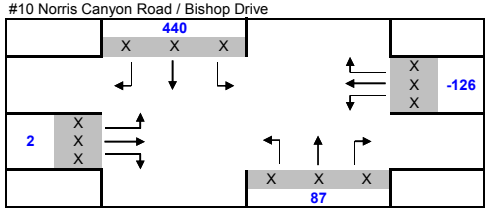
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



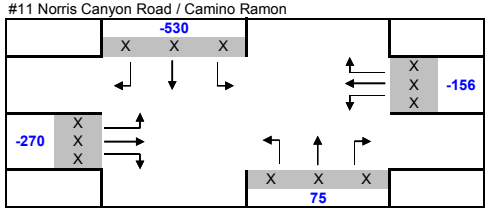
NET CHANGE IN APPROACH VOLUME - AM PEAK

#10 Norris Canyon Road / Bishop Drive



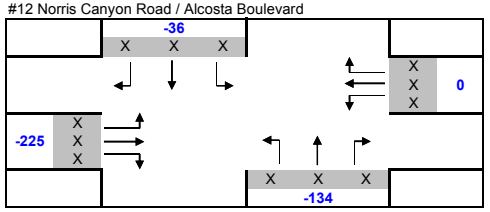
NET CHANGE IN APPROACH VOLUME - AM PEAK

#11 Norris Canyon Road / Camino Ramon



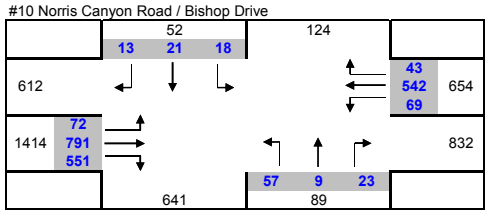
NET CHANGE IN APPROACH VOLUME - AM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



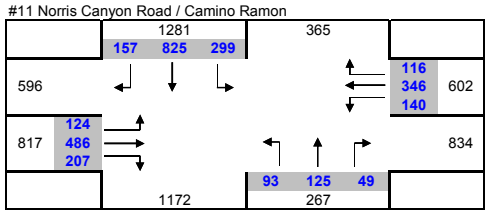
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#10 Norris Canyon Road / Bishop Drive



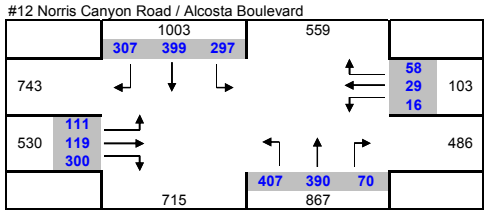
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#11 Norris Canyon Road / Camino Ramon



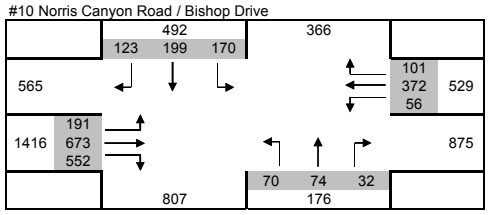
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



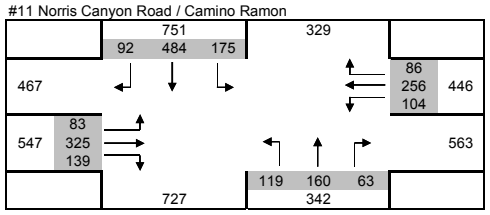
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#10 Norris Canyon Road / Bishop Drive



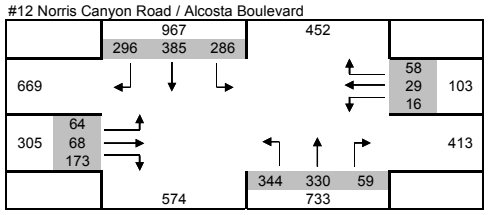
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#11 Norris Canyon Road / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#12 Norris Canyon Road / Alcosta Boulevard

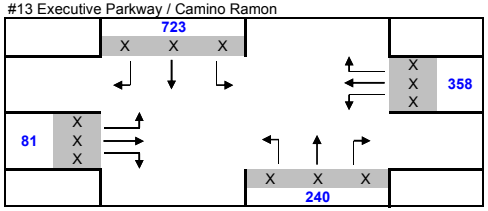


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

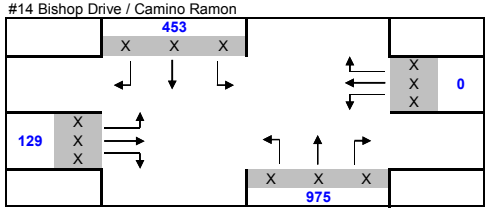
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#13 Executive Parkway / Camino Ramon



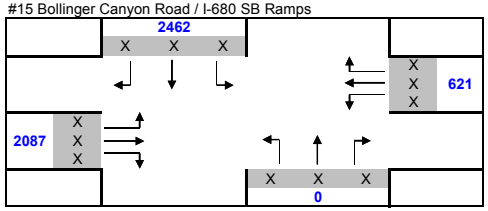
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#14 Bishop Drive / Camino Ramon



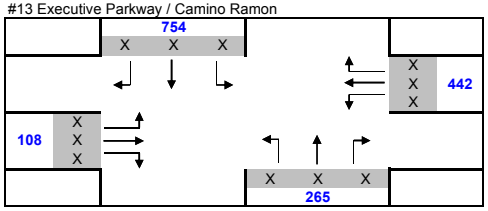
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



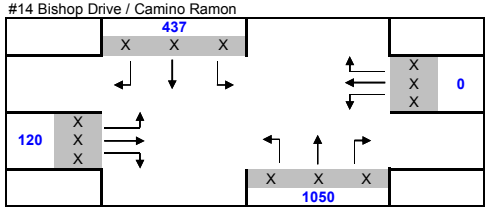
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#13 Executive Parkway / Camino Ramon



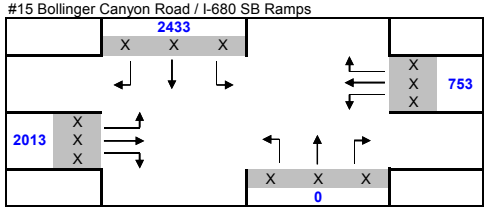
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#14 Bishop Drive / Camino Ramon



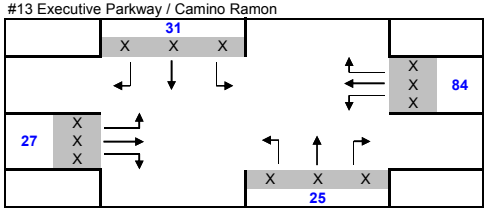
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



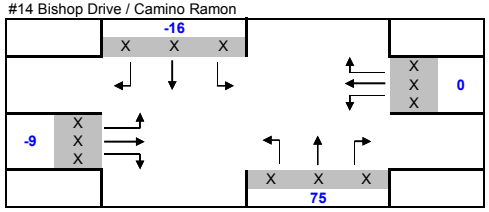
NET CHANGE IN APPROACH VOLUME - AM PEAK

#13 Executive Parkway / Camino Ramon



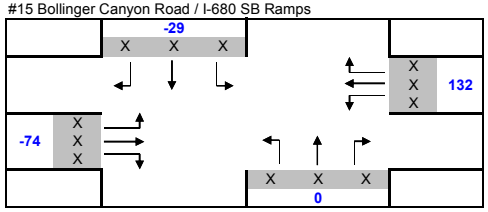
NET CHANGE IN APPROACH VOLUME - AM PEAK

#14 Bishop Drive / Camino Ramon



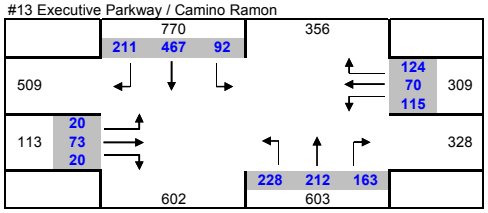
NET CHANGE IN APPROACH VOLUME - AM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



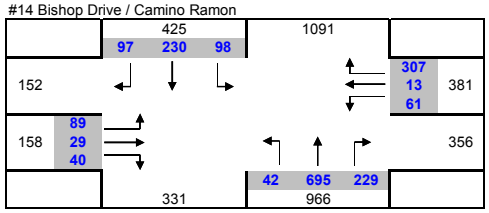
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#13 Executive Parkway / Camino Ramon



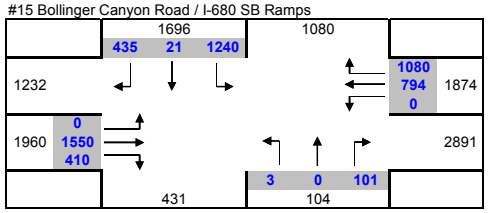
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#14 Bishop Drive / Camino Ramon



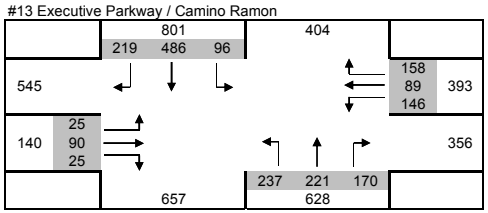
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



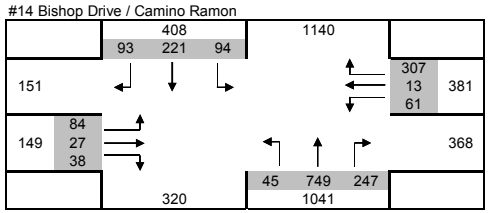
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#13 Executive Parkway / Camino Ramon



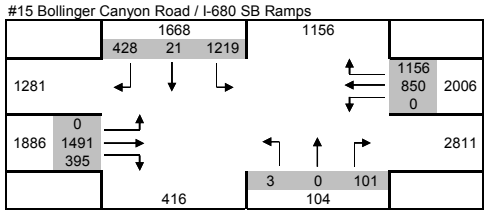
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#14 Bishop Drive / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps

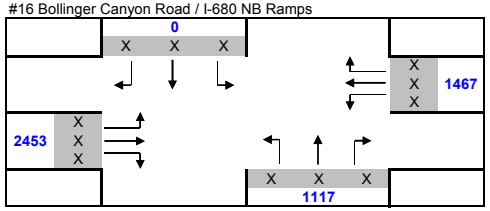


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

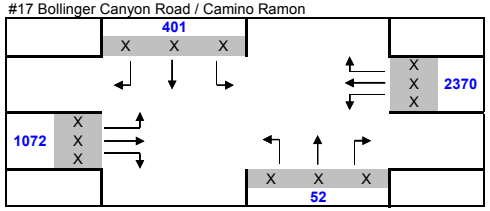
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



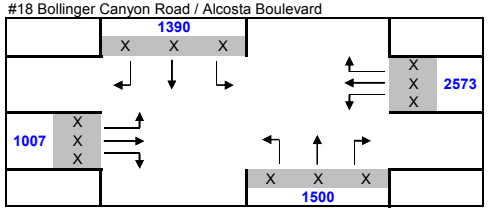
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#17 Bollinger Canyon Road / Camino Ramon



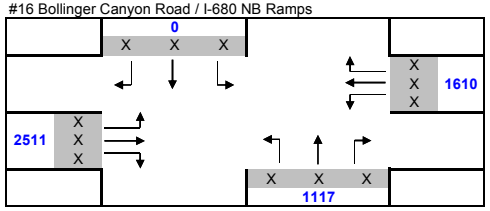
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - AM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



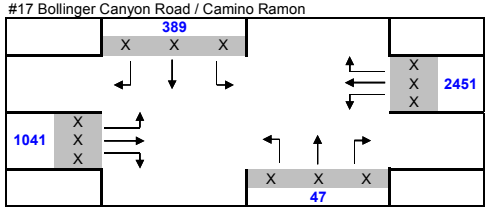
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



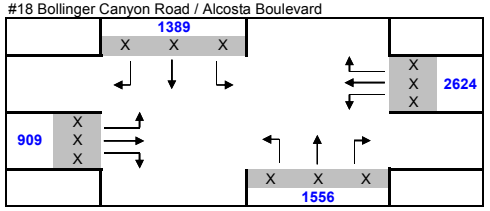
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#17 Bollinger Canyon Road / Camino Ramon



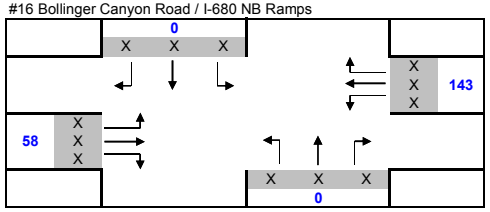
2030 NCR SPECIFIC PLAN MODEL VOLUMES - AM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



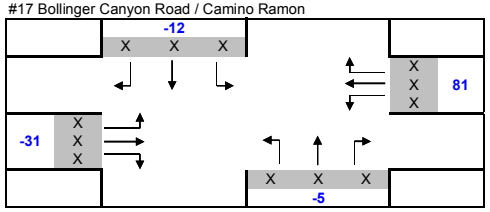
NET CHANGE IN APPROACH VOLUME - AM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



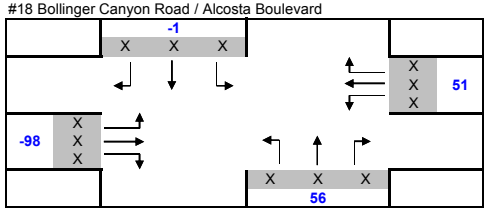
NET CHANGE IN APPROACH VOLUME - AM PEAK

#17 Bollinger Canyon Road / Camino Ramon



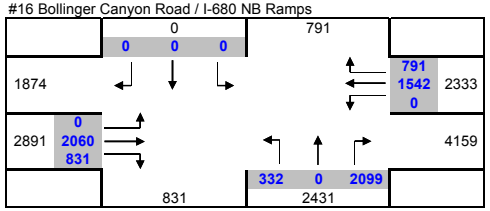
NET CHANGE IN APPROACH VOLUME - AM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



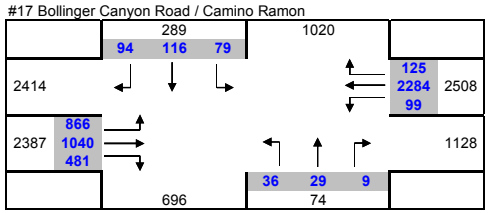
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



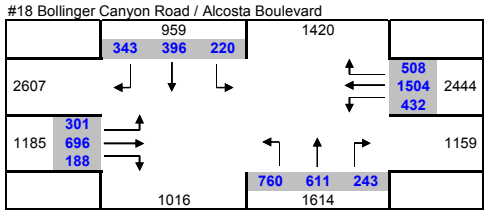
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#17 Bollinger Canyon Road / Camino Ramon



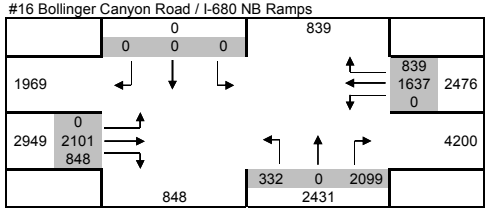
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - AM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



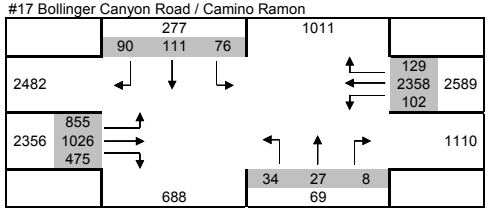
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



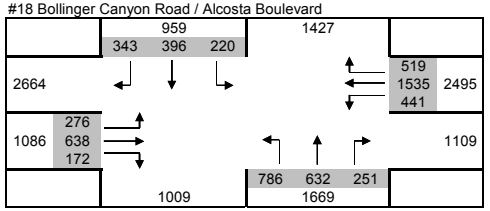
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#17 Bollinger Canyon Road / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - AM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



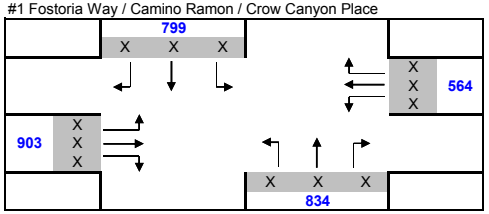
Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

CUMULATIVE PM VOLUME CALCULATIONS

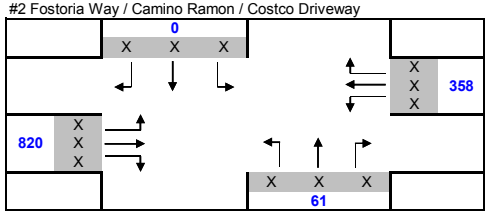
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



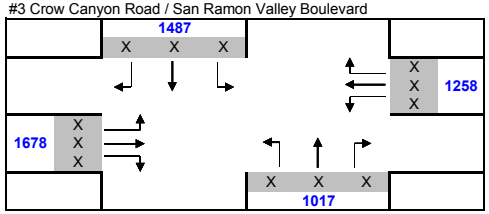
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



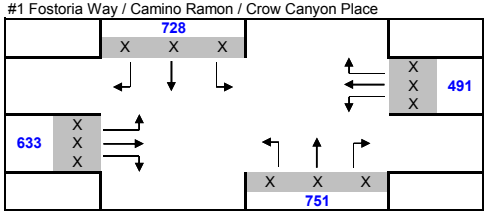
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



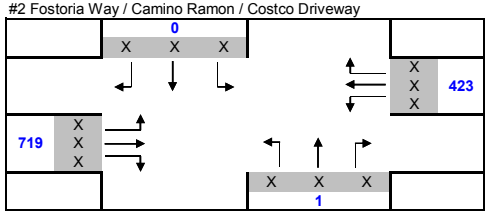
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



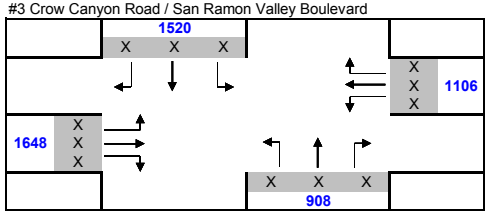
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



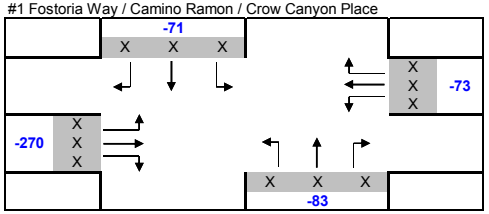
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



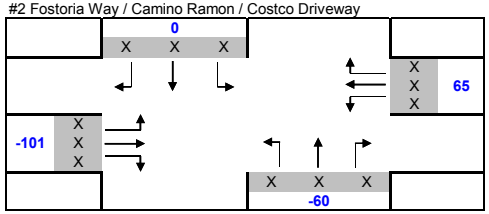
NET CHANGE IN APPROACH VOLUME - PM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



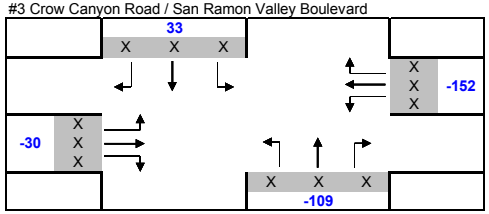
NET CHANGE IN APPROACH VOLUME - PM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



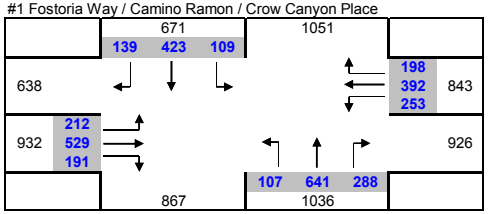
NET CHANGE IN APPROACH VOLUME - PM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



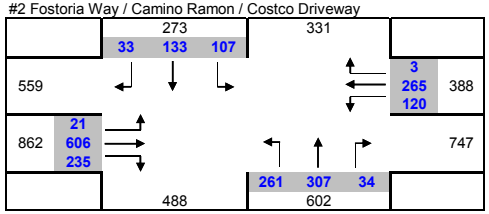
2030 SAN RAMON GENERAL TRAFFIC VOLUMES - PM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



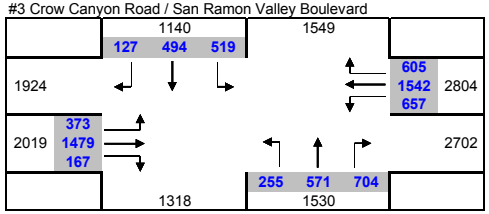
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



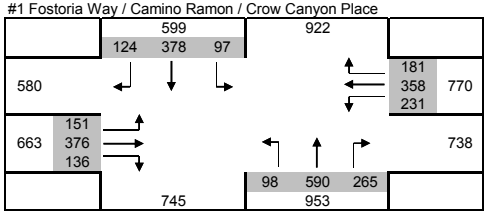
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard



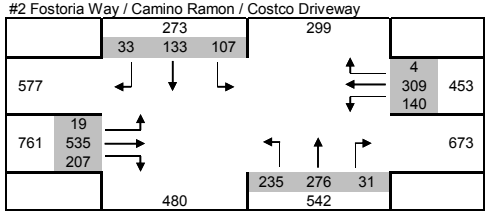
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#1 Fostoria Way / Camino Ramon / Crow Canyon Place



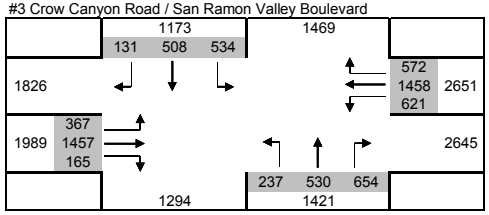
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#2 Fostoria Way / Camino Ramon / Costco Driveway



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#3 Crow Canyon Road / San Ramon Valley Boulevard

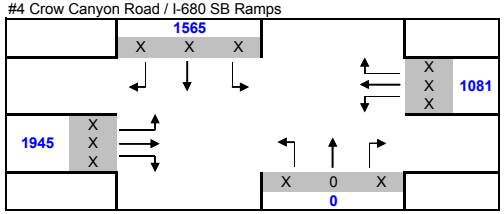


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

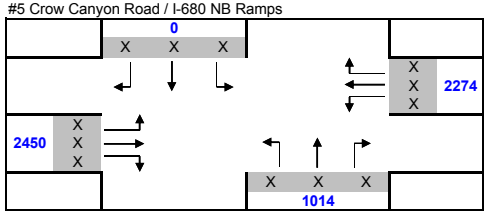
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#4 Crow Canyon Road / I-680 SB Ramps



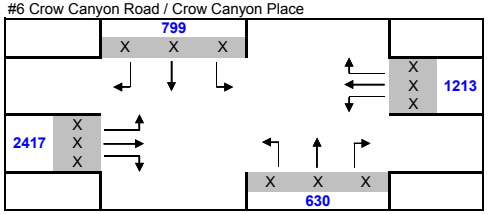
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#5 Crow Canyon Road / I-680 NB Ramps



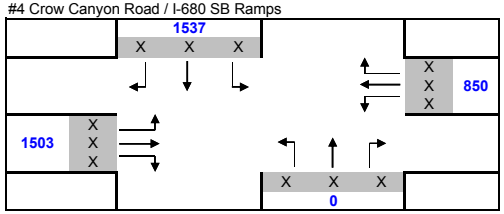
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#6 Crow Canyon Road / Crow Canyon Place



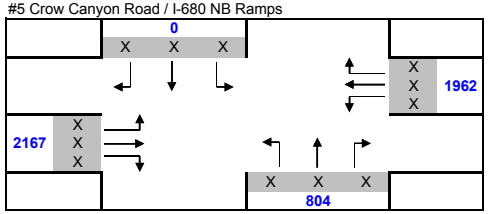
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#4 Crow Canyon Road / I-680 SB Ramps



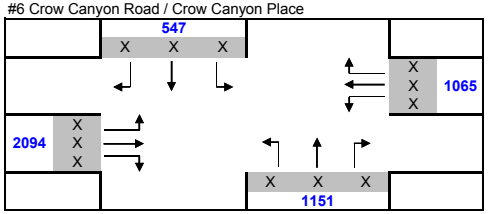
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#5 Crow Canyon Road / I-680 NB Ramps



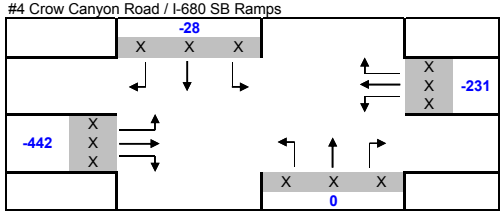
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#6 Crow Canyon Road / Crow Canyon Place



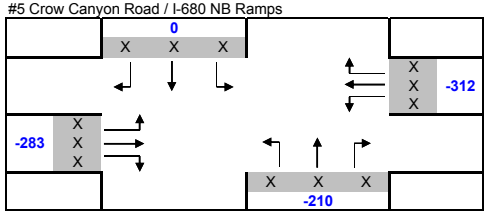
NET CHANGE IN APPROACH VOLUME - PM PEAK

#4 Crow Canyon Road / I-680 SB Ramps



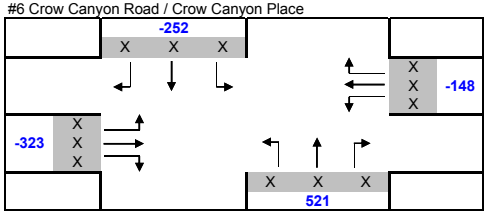
NET CHANGE IN APPROACH VOLUME - PM PEAK

#5 Crow Canyon Road / I-680 NB Ramps



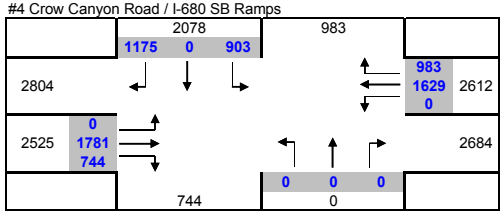
NET CHANGE IN APPROACH VOLUME - PM PEAK

#6 Crow Canyon Road / Crow Canyon Place



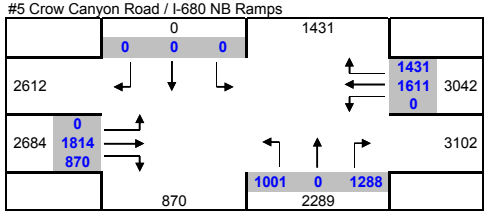
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#4 Crow Canyon Road / I-680 SB Ramps



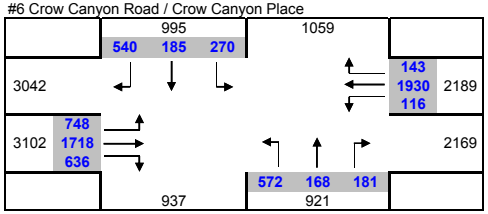
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#5 Crow Canyon Road / I-680 NB Ramps



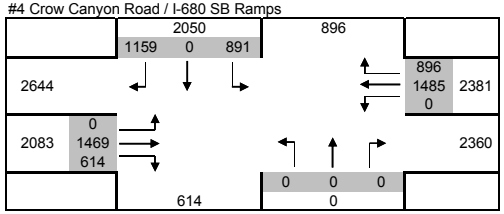
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#6 Crow Canyon Road / Crow Canyon Place



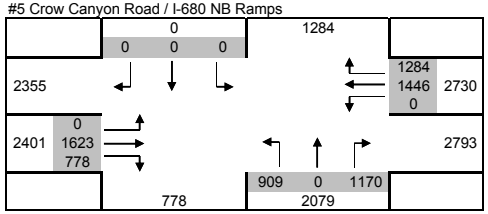
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#4 Crow Canyon Road / I-680 SB Ramps



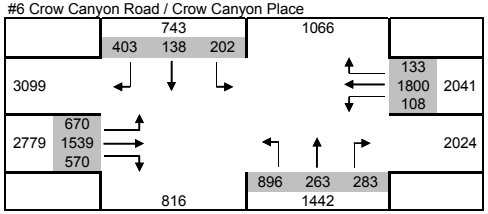
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#5 Crow Canyon Road / I-680 NB Ramps



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#6 Crow Canyon Road / Crow Canyon Place

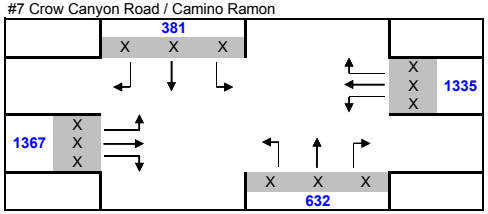


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

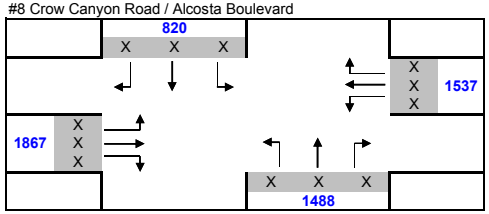
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#7 Crow Canyon Road / Camino Ramon



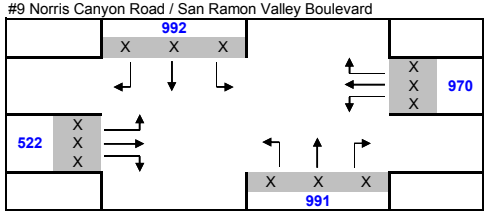
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



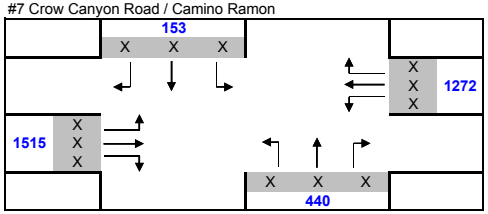
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



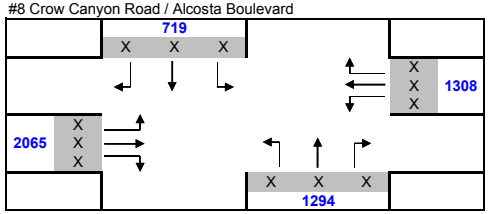
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#7 Crow Canyon Road / Camino Ramon



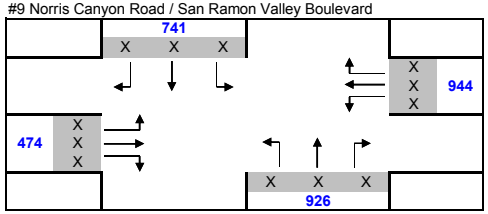
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



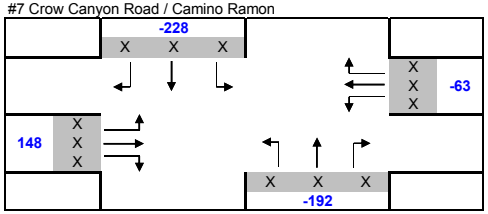
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



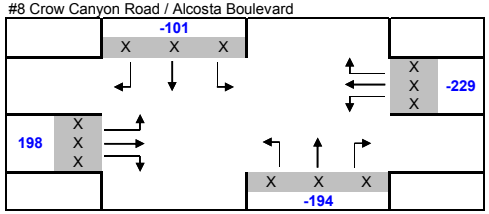
NET CHANGE IN APPROACH VOLUME - PM PEAK

#7 Crow Canyon Road / Camino Ramon



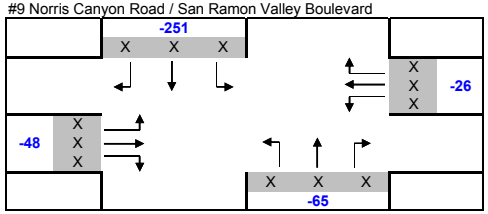
NET CHANGE IN APPROACH VOLUME - PM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



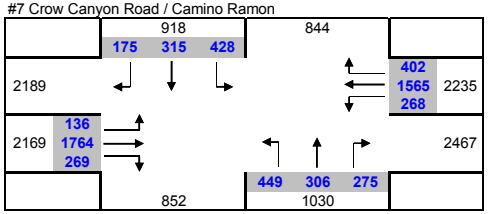
NET CHANGE IN APPROACH VOLUME - PM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



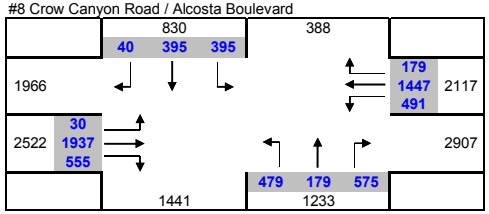
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#7 Crow Canyon Road / Camino Ramon



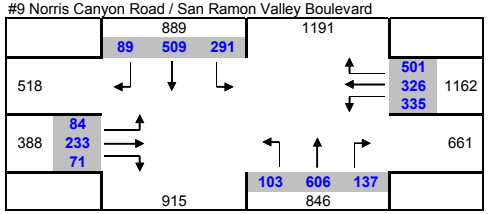
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



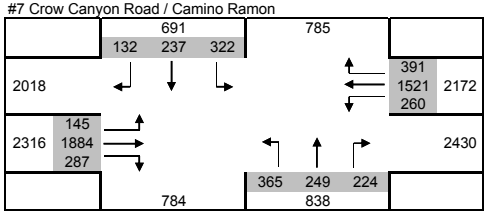
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard



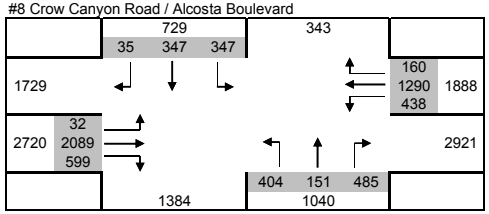
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#7 Crow Canyon Road / Camino Ramon



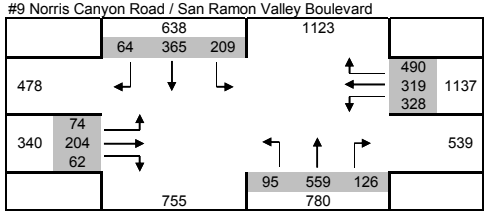
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#8 Crow Canyon Road / Alcosta Boulevard



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#9 Norris Canyon Road / San Ramon Valley Boulevard

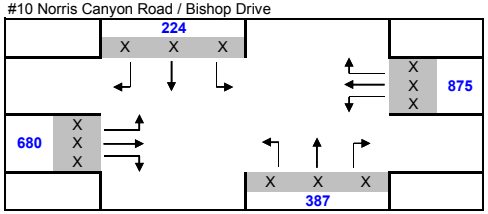


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

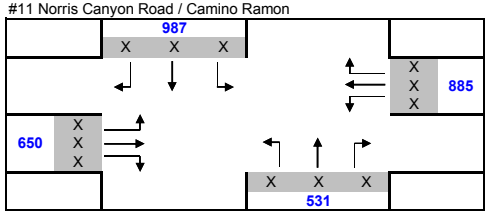
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#10 Norris Canyon Road / Bishop Drive



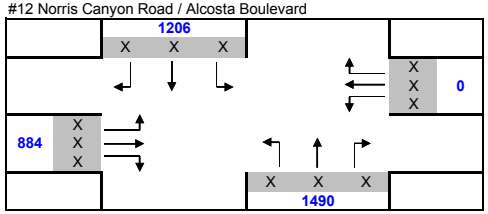
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#11 Norris Canyon Road / Camino Ramon



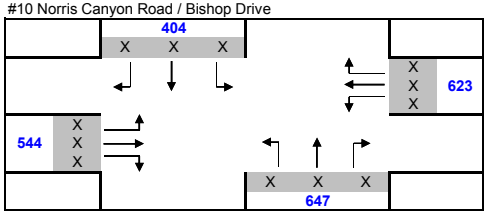
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



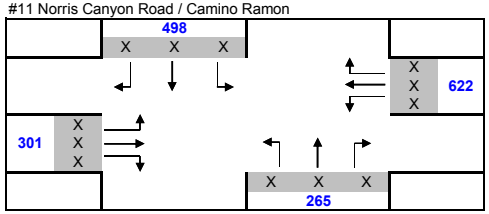
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#10 Norris Canyon Road / Bishop Drive



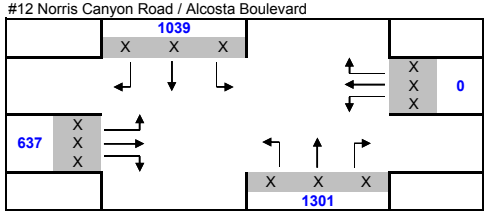
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#11 Norris Canyon Road / Camino Ramon



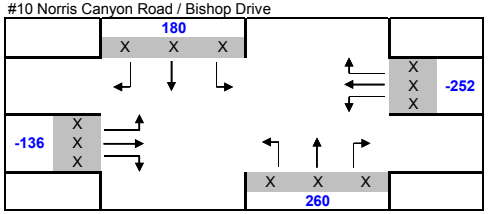
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



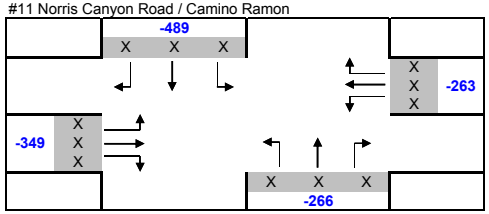
NET CHANGE IN APPROACH VOLUME - PM PEAK

#10 Norris Canyon Road / Bishop Drive



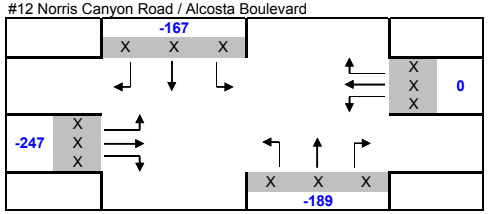
NET CHANGE IN APPROACH VOLUME - PM PEAK

#11 Norris Canyon Road / Camino Ramon



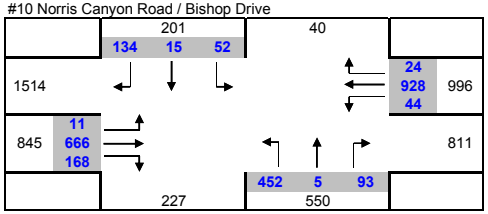
NET CHANGE IN APPROACH VOLUME - PM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



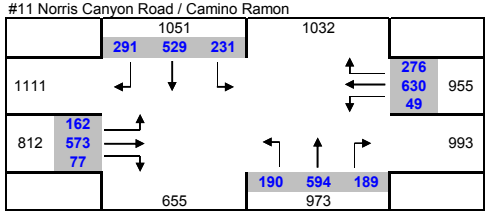
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#10 Norris Canyon Road / Bishop Drive



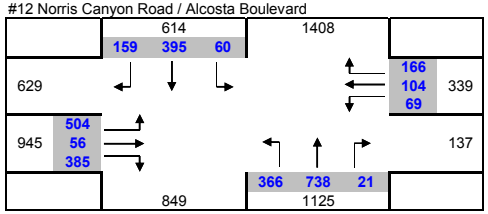
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#11 Norris Canyon Road / Camino Ramon



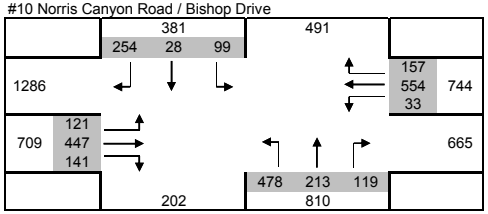
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#12 Norris Canyon Road / Alcosta Boulevard



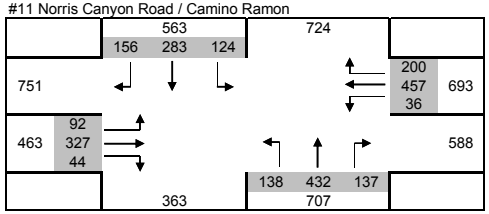
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#10 Norris Canyon Road / Bishop Drive



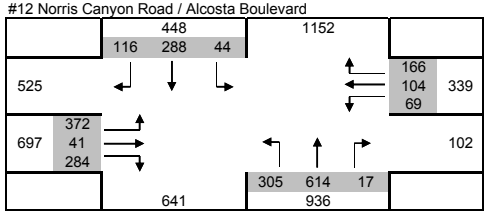
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#11 Norris Canyon Road / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#12 Norris Canyon Road / Alcosta Boulevard

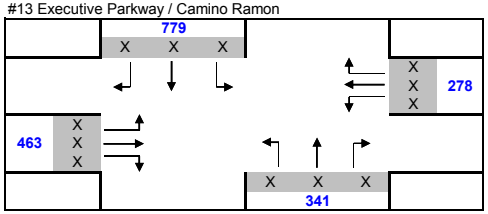


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

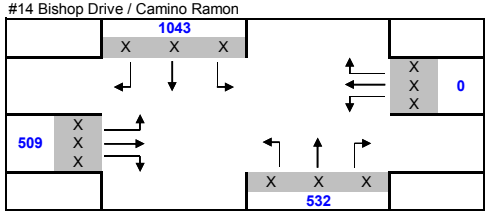
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#13 Executive Parkway / Camino Ramon



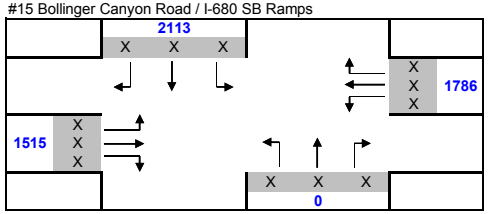
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#14 Bishop Drive / Camino Ramon



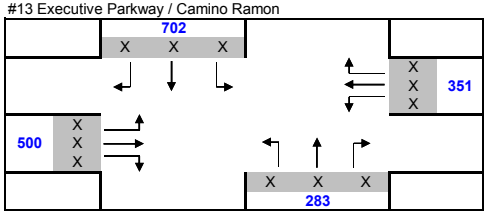
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



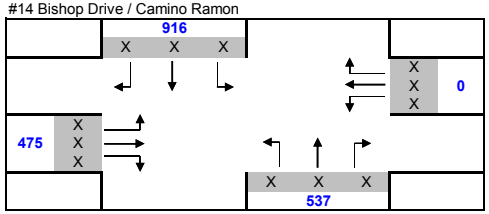
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#13 Executive Parkway / Camino Ramon



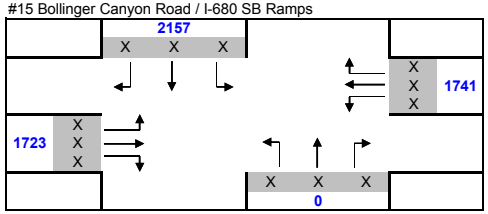
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#14 Bishop Drive / Camino Ramon



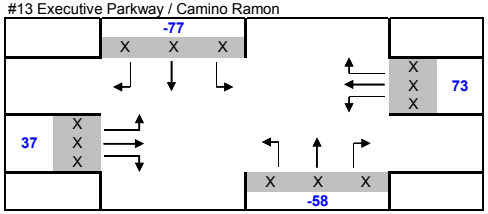
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



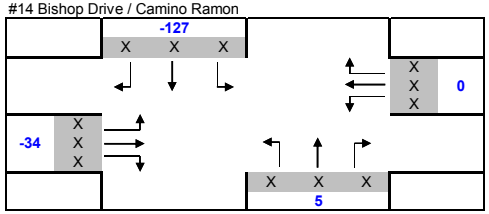
NET CHANGE IN APPROACH VOLUME - PM PEAK

#13 Executive Parkway / Camino Ramon



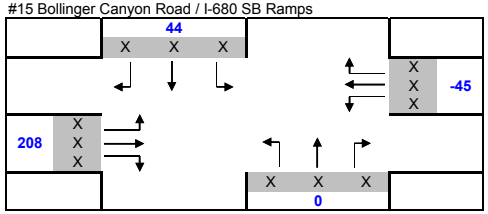
NET CHANGE IN APPROACH VOLUME - PM PEAK

#14 Bishop Drive / Camino Ramon



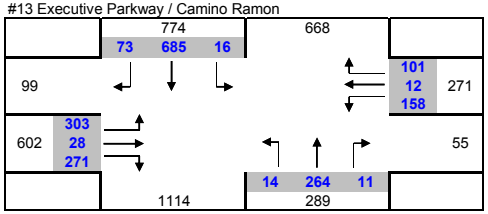
NET CHANGE IN APPROACH VOLUME - PM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



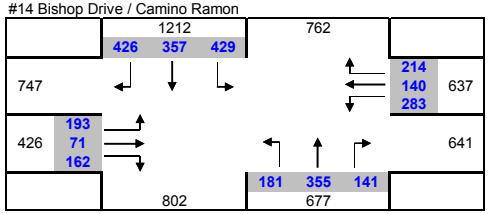
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#13 Executive Parkway / Camino Ramon



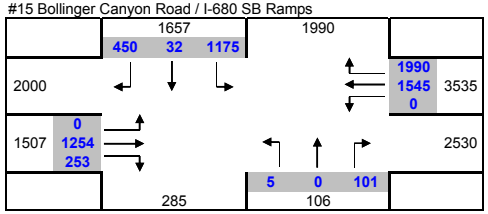
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#14 Bishop Drive / Camino Ramon



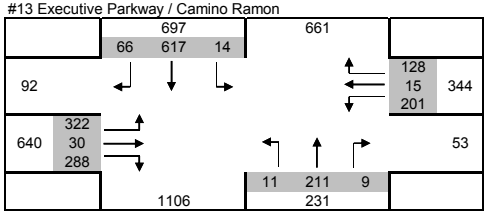
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps



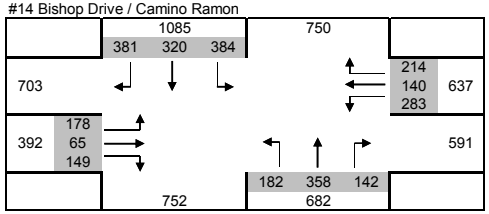
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#13 Executive Parkway / Camino Ramon



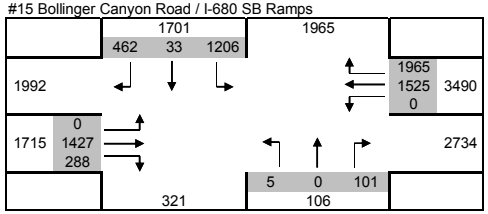
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#14 Bishop Drive / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#15 Bollinger Canyon Road / I-680 SB Ramps

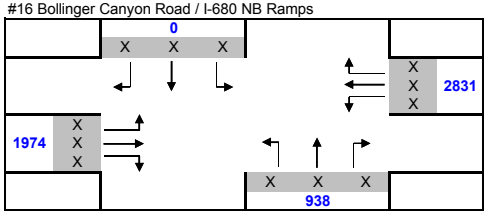


Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

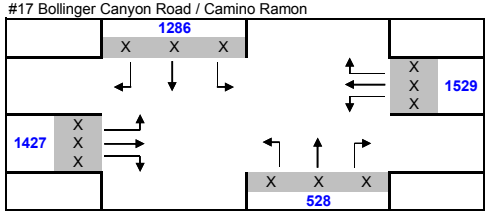
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



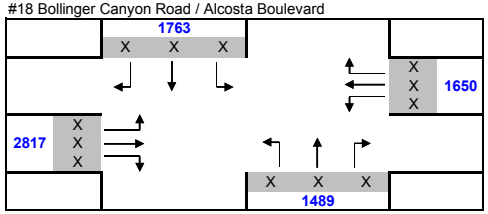
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#17 Bollinger Canyon Road / Camino Ramon



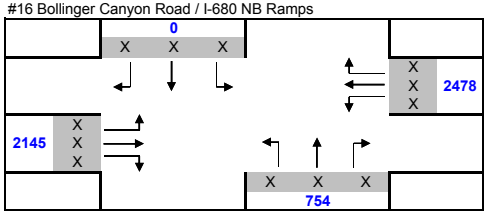
2030 SAN RAMON GENERAL PLAN MODEL VOLUMES - PM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



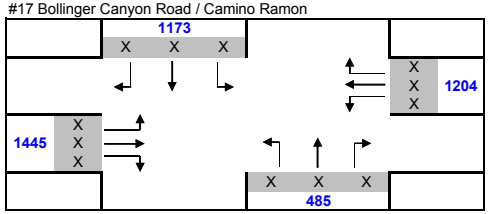
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



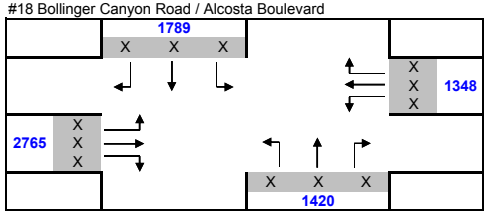
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#17 Bollinger Canyon Road / Camino Ramon



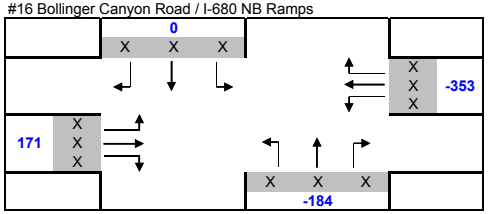
2030 NCR SPECIFIC PLAN MODEL VOLUMES - PM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



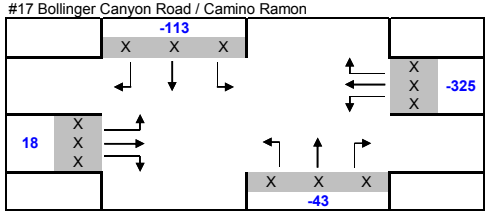
NET CHANGE IN APPROACH VOLUME - PM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



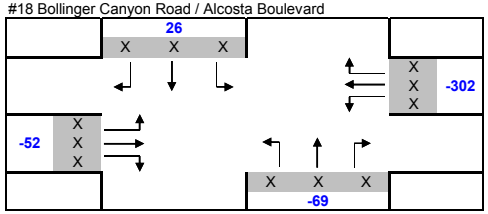
NET CHANGE IN APPROACH VOLUME - PM PEAK

#17 Bollinger Canyon Road / Camino Ramon



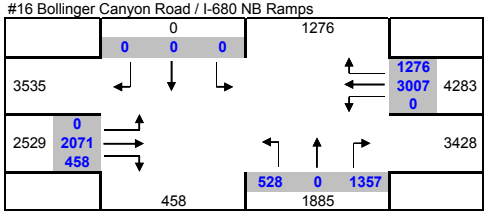
NET CHANGE IN APPROACH VOLUME - PM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



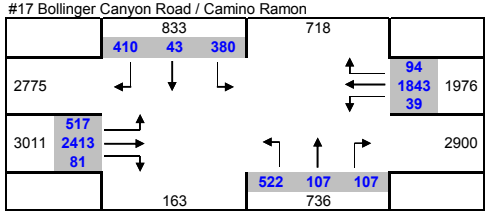
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



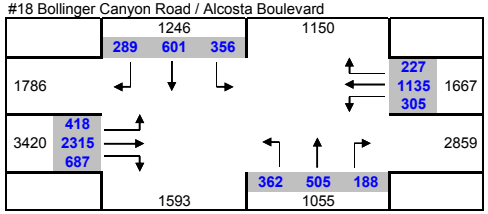
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#17 Bollinger Canyon Road / Camino Ramon



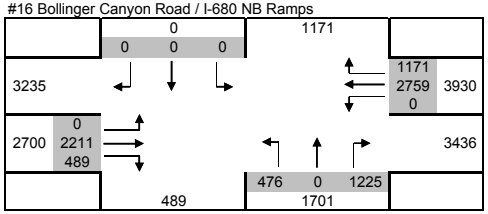
2030 SAN RAMON GENERAL PLAN TRAFFIC VOLUMES - PM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



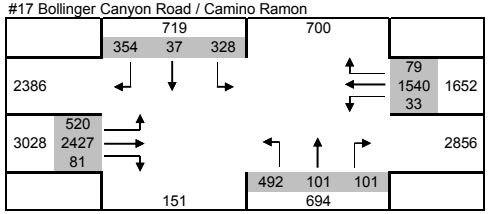
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#16 Bollinger Canyon Road / I-680 NB Ramps



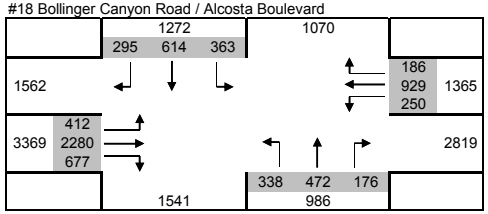
PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#17 Bollinger Canyon Road / Camino Ramon



PROJECTED 2030 W/ PROJECT TRAFFIC VOLUMES - PM PEAK

#18 Bollinger Canyon Road / Alcosta Boulevard



Source of Model Data: CCTA Travel Demand Forecasting Model

K:\BAY_TPTO\097869000 - CDG - NCR Specific Plan EIR - DKF\Analysis\Trip Generation\Specific Plan Trip Gen\Cumulative Volume Cals 2011-08-31.xls

F. Intersection LOS Analysis Sheets – Existing AM

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	A	xxxxx	0.307	A	xxxxx	0.307	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	B	10.1	0.384	B	10.1	0.384	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	A	xxxxx	0.552	A	xxxxx	0.552	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.442	A	xxxxx	0.442	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	B	xxxxx	0.604	B	xxxxx	0.604	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	B	xxxxx	0.628	B	xxxxx	0.628	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.516	A	xxxxx	0.516	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	A	xxxxx	0.553	A	xxxxx	0.553	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.540	A	xxxxx	0.540	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.344	A	xxxxx	0.344	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.450	A	xxxxx	0.450	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.367	A	xxxxx	0.367	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.371	A	xxxxx	0.371	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.261	A	xxxxx	0.261	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	B	xxxxx	0.625	B	xxxxx	0.625	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	D	xxxxx	0.854	D	xxxxx	0.854	+ 0.000 V/C
#1017 Bollinger Canyon Rd. / Camino	A	xxxxx	0.538	A	xxxxx	0.538	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	B	xxxxx	0.662	B	xxxxx	0.662	+ 0.000 V/C

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

****

Intersection #1001 Fostoria Way/Crow Canyon Pl

****

Cycle (sec):	100	Critical Vol./Cap.(X):	0.307
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

****

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	79	184	63	58	237	32	23	126	101	45	125	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	184	63	58	237	32	23	126	101	45	125	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	79	184	63	58	237	32	23	126	101	45	125	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	79	184	63	58	237	32	23	126	101	45	125	60
RTOR Reduct:	0	0	45	0	0	0	0	0	0	0	0	0
RTOR Vol:	79	184	18	58	237	32	23	126	101	45	125	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	79	184	18	58	237	32	23	126	101	45	125	60
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.88	0.12	1.00	1.11	0.89	1.00	1.35	0.65
Final Sat.:	1650	1650	1650	1650	1454	196	1650	1832	1468	1650	2230	1070
Capacity Analysis Module:												
Vol/Sat:	0.05	0.11	0.01	0.04	0.16	0.16	0.01	0.07	0.07	0.03	0.06	0.06
Crit Volume:	79				269			114		45		
Crit Moves:	****				****			****		****		

****

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.384
Loss Time (sec):	0	Average Delay (sec/veh):	10.1
Optimal Cycle:	0	Level Of Service:	B

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	0 0	1! 0	0
Volume Module:												
Base Vol:	227	10	28	2	11	1	5	78	207	22	57	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	227	10	28	2	11	1	5	78	207	22	57	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	227	10	28	2	11	1	5	78	207	22	57	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	227	10	28	2	11	1	5	78	207	22	57	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	227	10	28	2	11	1	5	78	207	22	57	2
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.14	0.79	0.07	1.00	1.00	1.00	0.27	0.71	0.02
Final Sat.:	590	639	731	84	462	42	591	645	740	165	429	15
Capacity Analysis Module:												
Vol/Sat:	0.38	0.02	0.04	0.02	0.02	0.02	0.01	0.12	0.28	0.13	0.13	0.13
Crit Moves:	****				****				****		****	
Delay/Veh:	12.1	8.2	7.6	8.9	8.9	8.9	8.6	8.8	9.1	9.5	9.5	9.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.1	8.2	7.6	8.9	8.9	8.9	8.6	8.8	9.1	9.5	9.5	9.5
LOS by Move:	B	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	11.4			8.9			9.0			9.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.4			8.9			9.0			9.5		
LOS by Appr:	B			A			A			A		
AllWayAvgQ:	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.1	0.1

Note: Queue reported is the number of cars per lane.

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.552
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	51	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	2 0	1	2 0	2 0	1	2 0	3 0	1	2 0	3 0	1
Volume Module:												
Base Vol:	118	172	333	402	155	46	145	915	133	542	1409	197
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	118	172	333	402	155	46	145	915	133	542	1409	197
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	118	172	333	402	155	46	145	915	133	542	1409	197
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	118	172	333	402	155	46	145	915	133	542	1409	197
RTOR Reduct:	0	0	298	0	0	46	0	0	65	0	0	197
RTOR Vol:	118	172	35	402	155	0	145	915	68	542	1409	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	118	172	35	402	155	0	145	915	68	542	1409	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.05	0.02	0.13	0.05	0.00	0.05	0.18	0.04	0.18	0.28	0.00
Crit Volume:		86		201				305		271		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.442
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	0	2	0	2	0	3	1	0	3	1
Volume Module:												
Base Vol:	0	0	0	752	0	673	1145	452	0	778	1007	
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	752	0	673	1145	452	0	778	1007	
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	752	0	673	1145	452	0	778	1007	
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	
Reduced Vol:	0	0	0	752	0	673	1145	452	0	778	1007	
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	
RTOR Vol:	0	0	0	752	0	673	1145	452	0	778	1007	
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	752	0	673	1145	452	0	778	1007	
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3272	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.23	0.00	0.21	0.00	0.21	0.25	0.00	0.14	0.56
Crit Volume:			0			376			382		0	
Crit Moves:				****				****		****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.604
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	Level Of Service:	B

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1!	0 1	0	0 0	0 0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	529	0	897	0	0	0	0	1691	228	0	1122	617
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	529	0	897	0	0	0	0	1691	228	0	1122	617
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	529	0	897	0	0	0	0	1691	228	0	1122	617
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	529	0	897	0	0	0	0	1691	228	0	1122	617
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	529	0	897	0	0	0	0	1691	228	0	1122	617
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	529	0	897	0	0	0	0	1691	228	0	1122	617
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.11	xxxx	1.89	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.23	1.77
Final Sat.:	1821	0	3088	0	0	0	0	5400	1800	0	5807	2903
Capacity Analysis Module:												
Vol/Sat:	0.29	0.00	0.29	0.00	0.00	0.00	0.00	0.31	0.13	0.00	0.19	0.21
Crit Volume:			475			0			564		0	
Crit Moves:			****						****		****	

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.628
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	Level Of Service:	B

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	181	56	50	141	97	294	414	1989	762	134	1680	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	181	56	50	141	97	294	414	1989	762	134	1680	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	181	56	50	141	97	294	414	1989	762	134	1680	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	181	56	50	141	97	294	414	1989	762	134	1680	119
RTOR Reduct:	0	0	0	0	0	228	0	0	100	0	0	0
RTOR Vol:	181	56	50	141	97	66	414	1989	662	134	1680	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	181	56	50	141	97	66	414	1989	662	134	1680	119
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.06	0.94	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.67	0.33
Final Sat.:	3000	1743	1557	1650	1650	1650	3000	6600	1650	1650	7704	546
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.03	0.09	0.06	0.04	0.14	0.30	0.40	0.08	0.22	0.22
Crit Volume:	91			141					662	134		
Crit Moves:	****			****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.516
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	Level Of Service:	A

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	2 0	4 0	1	2 0	3 1	0
Volume Module:												
Base Vol:	126	66	36	74	89	37	140	1475	636	277	1605	178
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	126	66	36	74	89	37	140	1475	636	277	1605	178
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	126	66	36	74	89	37	140	1475	636	277	1605	178
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	66	36	74	89	37	140	1475	636	277	1605	178
RTOR Reduct:	0	0	36	0	0	0	0	0	69	0	0	0
RTOR Vol:	126	66	0	74	89	37	140	1475	567	277	1605	178
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	126	66	0	74	89	37	140	1475	567	277	1605	178
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.41	0.59	2.00	4.00	1.00	2.00	3.60	0.40
Final Sat.:	3000	1650	1650	3000	2331	969	3000	6600	1650	3000	5941	659
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.00	0.02	0.04	0.04	0.05	0.22	0.34	0.09	0.27	0.27
Crit Volume:	63				63				567	139		
Crit Moves:	****				****				****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.553
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	51	Level Of Service:	A

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	2	0 3	0 0
Volume Module:												
Base Vol:	245	0	202	0	0	0	0	570	481	855	1570	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	245	0	202	0	0	0	0	570	481	855	1570	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	245	0	202	0	0	0	0	570	481	855	1570	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	245	0	202	0	0	0	0	570	481	855	1570	0
RTOR Reduct:	0	0	202	0	0	0	0	0	135	0	0	0
RTOR Vol:	245	0	0	0	0	0	0	570	346	855	1570	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	245	0	0	0	0	0	0	570	346	855	1570	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	3.00	0.00
Final Sat.:	3127	0	3127	0	0	0	0	5160	1720	3127	5160	0
Capacity Analysis Module:												
Vol/Sat:	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.20	0.27	0.30	0.00
Crit Volume:	123				0				346	428		
Crit Moves:	****								****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.540
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	50	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	54	298	257	386	169	29	70	486	75	120	137	216
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	54	298	257	386	169	29	70	486	75	120	137	216
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	298	257	386	169	29	70	486	75	120	137	216
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	298	257	386	169	29	70	486	75	120	137	216
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	212
RTOR Vol:	54	298	257	386	169	29	70	486	75	120	137	4
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	54	298	257	386	169	29	70	486	75	120	137	4
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.07	0.93	2.00	1.71	0.29	1.00	1.73	0.27	1.00	1.00	1.00
Final Sat.:	1650	1772	1528	3000	2817	483	1650	2859	441	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.03	0.17	0.17	0.13	0.06	0.06	0.04	0.17	0.17	0.07	0.08	0.00
Crit Volume:		278		193					281	120		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.344
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	Level Of Service:	A

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 1	0 1	0	0	0	1! 0	0	1	0 2	0 1	1	0 2 0 1
Volume Module:												
Base Vol:	43	7	17	7	8	5	68	751	523	48	376	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	43	7	17	7	8	5	68	751	523	48	376	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	43	7	17	7	8	5	68	751	523	48	376	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	7	17	7	8	5	68	751	523	48	376	30
RTOR Reduct:	0	0	0	0	0	0	0	0	43	0	0	7
RTOR Vol:	43	7	17	7	8	5	68	751	480	48	376	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	43	7	17	7	8	5	68	751	480	48	376	23
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.49	0.51	0.35	0.40	0.25	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1720	847	873	602	688	430	1720	3440	1720	1720	3440	1720
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.02	0.01	0.01	0.01	0.04	0.22	0.28	0.03	0.11	0.01
Crit Volume:	43			20					480	48		
Crit Moves:	****			****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.450
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	1	0 1	1 0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	77	104	41	188	519	99	84	329	140	122	302	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	77	104	41	188	519	99	84	329	140	122	302	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	77	104	41	188	519	99	84	329	140	122	302	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	104	41	188	519	99	84	329	140	122	302	101
RTOR Reduct:	0	0	41	0	0	0	0	0	0	0	0	0
RTOR Vol:	77	104	0	188	519	99	84	329	140	122	302	101
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	77	104	0	188	519	99	84	329	140	122	302	101
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.68	0.32	1.00	1.40	0.60	1.00	1.50	0.50
Final Sat.:	1650	3300	1650	1650	2771	529	1650	2315	985	1650	2473	827
Capacity Analysis Module:												
Vol/Sat:	0.05	0.03	0.00	0.11	0.19	0.19	0.05	0.14	0.14	0.07	0.12	0.12
Crit Volume:	77				309			235		122		
Crit Moves:	****				****			****		****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.367
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	290	278	50	244	328	252	67	72	182	16	29	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	290	278	50	244	328	252	67	72	182	16	29	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	290	278	50	244	328	252	67	72	182	16	29	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	290	278	50	244	328	252	67	72	182	16	29	58
RTOR Reduct:	0	0	0	0	0	37	0	0	182	0	0	58
RTOR Vol:	290	278	50	244	328	215	67	72	0	16	29	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	290	278	50	244	328	215	67	72	0	16	29	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.70	0.30	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	2797	503	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.18	0.10	0.10	0.15	0.10	0.13	0.02	0.04	0.00	0.01	0.02	0.00
Crit Volume:	290					215		72			29	
Crit Moves:	****					****		****			****	

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

****

Intersection #1013 Executive Pkwy. / Camino Ramon

****

Cycle (sec):	100	Critical Vol./Cap.(X):	0.371	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	30	Level Of Service:	A	

****

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	228	212	163	74	374	169	16	58	16	64	39	69
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	228	212	163	74	374	169	16	58	16	64	39	69
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	228	212	163	74	374	169	16	58	16	64	39	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	228	212	163	74	374	169	16	58	16	64	39	69
RTOR Reduct:	0	0	0	0	0	0	0	0	16	0	0	69
RTOR Vol:	228	212	163	74	374	169	16	58	0	64	39	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	228	212	163	74	374	169	16	58	0	64	39	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.13	0.87	1.00	1.38	0.62	0.22	0.78	1.00	0.62	0.38	1.00
Final Sat.:	1720	1945	1495	1720	2369	1071	372	1348	1720	1069	651	1720
Capacity Analysis Module:												
Vol/Sat:	0.13	0.11	0.11	0.04	0.16	0.16	0.04	0.04	0.00	0.06	0.06	0.00
Crit Volume:	228			272			74			64		
Crit Moves:	****			****			****			****		

****

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.261
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	25	Level Of Service:	A

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	1	0 1	1 0	1	0 0	1 0	1	0 0	1 0
Volume Module:												
Base Vol:	49	705	101	17	137	32	27	5	15	4	2	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	705	101	17	137	32	27	5	15	4	2	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	49	705	101	17	137	32	27	5	15	4	2	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	49	705	101	17	137	32	27	5	15	4	2	0
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	49	705	101	17	137	32	27	5	15	4	2	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	49	705	101	17	137	32	27	5	15	4	2	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.75	0.25	1.00	1.62	0.38	1.00	0.25	0.75	1.00	1.00	0.00
Final Sat.:	1720	3009	431	1720	2789	651	1720	430	1290	1720	1720	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.23	0.23	0.01	0.05	0.05	0.02	0.01	0.01	0.00	0.00	0.00
Crit Volume:		403			17			27			2	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.625
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	Level Of Service:	B

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1 0	0	2	0	0	3	1 0
Volume Module:												
Base Vol:	3	0	72	1156	18	180	0	1015	227	0	488	920
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	72	1156	18	180	0	1015	227	0	488	920
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	0	72	1156	18	180	0	1015	227	0	488	920
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	72	1156	18	180	0	1015	227	0	488	920
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	3	0	72	1156	18	180	0	1015	227	0	488	920
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	0	72	1156	18	180	0	1015	227	0	488	920
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.04	0.00	0.96	1.97	0.03	2.00	0.00	3.27	0.73	0.00	3.00	1.00
Final Sat.:	66	0	1584	2954	51	3000	0	5394	1206	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.05	0.39	0.36	0.06	0.00	0.19	0.19	0.00	0.10	0.56
Crit Volume:			75	587					311	0		
Crit Moves:			****	****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.854
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 2	0	0 0	0 0	0	0 3	0 1	0	0 2	1 1
Volume Module:												
Base Vol:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	333	0	1972	0	0	0	0	1294	839	0	1174	633
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	333	0	1972	0	0	0	0	1294	839	0	1174	633
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	333	0	1972	0	0	0	0	1294	839	0	1174	633
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	2.60	1.40
Final Sat.:	1800	0	3272	0	0	0	0	5400	1800	0	4678	2293
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.60	0.00	0.00	0.00	0.00	0.24	0.47	0.00	0.25	0.28
Crit Volume:			986	0			0				452	
Crit Moves:			****				****				****	

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.538
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	Level Of Service:	A

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	2	0 0	1 1	2	0 3	0 1	1	0 3	1 0
Volume Module:												
Base Vol:	20	22	14	62	35	97	631	881	401	34	1544	396
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	22	14	62	35	97	631	881	401	34	1544	396
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	22	14	62	35	97	631	881	401	34	1544	396
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	22	14	62	35	97	631	881	401	34	1544	396
RTOR Reduct:	0	0	14	0	0	97	0	0	20	0	0	0
RTOR Vol:	20	22	0	62	35	0	631	881	381	34	1544	396
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	22	0	62	35	0	631	881	381	34	1544	396
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	2.00	1.00	1.00	2.00	3.00	1.00	1.00	3.18	0.82
Final Sat.:	1650	1650	1650	3000	1650	1500	3000	4950	1650	1650	5253	1347
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.00	0.02	0.02	0.00	0.21	0.18	0.23	0.02	0.29	0.29
Crit Volume:		22			31			316				485
Crit Moves:		****			****			****				****

North Camino Ramon Specific Plan
Existing Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.662
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	67	Level Of Service:	B

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0 1	1 0		2 0 2	0 1		1 0 3	0 1		1 0 3	0 1	
Volume Module:												
Base Vol:	549	382	128	81	245	185	172	384	80	223	1488	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	549	382	128	81	245	185	172	384	80	223	1488	205
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	549	382	128	81	245	185	172	384	80	223	1488	205
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	549	382	128	81	245	185	172	384	80	223	1488	205
RTOR Reduct:	0	0	0	0	0	172	0	0	80	0	0	45
RTOR Vol:	549	382	128	81	245	13	172	384	0	223	1488	160
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	549	382	128	81	245	13	172	384	0	223	1488	160
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.50	0.50	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	2472	828	3000	3300	1650	1650	4950	1650	1650	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.18	0.15	0.15	0.03	0.07	0.01	0.10	0.08	0.00	0.14	0.30	0.10
Crit Volume:	275				123		172				496	
Crit Moves:	****				****		****				****	

G. Intersection LOS Analysis Sheets – Existing PM

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	A	xxxxx	0.471	A	xxxxx	0.471	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	C	18.6	0.708	C	18.6	0.708	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	C	xxxxx	0.710	C	xxxxx	0.710	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.585	A	xxxxx	0.585	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	C	xxxxx	0.731	C	xxxxx	0.731	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	C	xxxxx	0.783	C	xxxxx	0.783	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.594	A	xxxxx	0.594	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	B	xxxxx	0.618	B	xxxxx	0.618	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.428	A	xxxxx	0.428	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.547	A	xxxxx	0.547	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.526	A	xxxxx	0.526	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.403	A	xxxxx	0.403	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.362	A	xxxxx	0.362	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.447	A	xxxxx	0.447	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	B	xxxxx	0.627	B	xxxxx	0.627	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	C	xxxxx	0.774	C	xxxxx	0.774	+ 0.000 V/C
#1017 Bollinger Canyon Rd. / Camino	D	xxxxx	0.805	D	xxxxx	0.805	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	B	xxxxx	0.680	B	xxxxx	0.680	+ 0.000 V/C

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.471
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	A

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	66	396	178	55	213	70	99	247	89	158	245	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	396	178	55	213	70	99	247	89	158	245	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	66	396	178	55	213	70	99	247	89	158	245	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	396	178	55	213	70	99	247	89	158	245	124
RTOR Reduct:	0	0	158	0	0	0	0	0	0	0	0	0
RTOR Vol:	66	396	20	55	213	70	99	247	89	158	245	124
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	66	396	20	55	213	70	99	247	89	158	245	124
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.75	0.25	1.00	1.47	0.53	1.00	1.33	0.67
Final Sat.:	1650	1650	1650	1650	1242	408	1650	2426	874	1650	2191	1109
Capacity Analysis Module:												
Vol/Sat:	0.04	0.24	0.01	0.03	0.17	0.17	0.06	0.10	0.10	0.10	0.11	0.11
Crit Volume:		396		55					168	158		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.708
Loss Time (sec):	0	Average Delay (sec/veh):	18.6
Optimal Cycle:	0	Level Of Service:	C

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	0 0	1! 0	0
Volume Module:												
Base Vol:	353	292	32	7	233	33	10	72	335	44	57	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	353	292	32	7	233	33	10	72	335	44	57	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	353	292	32	7	233	33	10	72	335	44	57	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	353	292	32	7	233	33	10	72	335	44	57	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	353	292	32	7	233	33	10	72	335	44	57	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.03	0.85	0.12	1.00	1.00	1.00	0.43	0.56	0.01
Final Sat.:	498	534	590	13	424	60	452	483	535	180	234	4
Capacity Analysis Module:												
Vol/Sat:	0.71	0.55	0.05	0.55	0.55	0.55	0.02	0.15	0.63	0.24	0.24	0.24
Crit Moves:	****				****				****		****	
Delay/Veh:	24.8	16.8	9.0	17.7	17.7	17.7	10.6	11.1	18.7	13.2	13.2	13.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	24.8	16.8	9.0	17.7	17.7	17.7	10.6	11.1	18.7	13.2	13.2	13.2
LOS by Move:	C	C	A	C	C	C	B	B	C	B	B	B
ApproachDel:	20.6			17.7			17.2			13.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	20.6			17.7			17.2			13.2		
LOS by Appr:	C			C			C			B		
AllWayAvgQ:	2.1	1.1	0.1	1.1	1.1	1.1	0.0	0.2	1.4	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.710
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	79	Level Of Service:	C

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 2	0 1	2	0 2	0 1	2	0 3	0 1	2	0 3	0 1
Volume Module:												
Base Vol:	201	449	554	492	318	103	249	1031	106	605	1321	373
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	201	449	554	492	318	103	249	1031	106	605	1321	373
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	201	449	554	492	318	103	249	1031	106	605	1321	373
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	201	449	554	492	318	103	249	1031	106	605	1321	373
RTOR Reduct:	0	0	333	0	0	103	0	0	106	0	0	271
RTOR Vol:	201	449	221	492	318	0	249	1031	0	605	1321	102
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	201	449	221	492	318	0	249	1031	0	605	1321	102
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.07	0.14	0.13	0.16	0.10	0.00	0.08	0.21	0.00	0.20	0.27	0.06
Crit Volume:		224		246				344		303		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.585
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	A

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	0	2	0	2	0	3	1	0	3	1
Volume Module:												
Base Vol:	0	0	0	732	0	1039	0	1366	718	0	1446	933
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	732	0	1039	0	1366	718	0	1446	933
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	732	0	1039	0	1366	718	0	1446	933
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	732	0	1039	0	1366	718	0	1446	933
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	732	0	1039	0	1366	718	0	1446	933
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	732	0	1039	0	1366	718	0	1446	933
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3272	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.22	0.00	0.32	0.00	0.25	0.40	0.00	0.27	0.52
Crit Volume:	0					520	0				482	
Crit Moves:						****	****				****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.731
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	69	Level Of Service:	C

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1!	0	0	0 0	0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	953	0	1038	0	0	0	0	1756	326	0	1426	807
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	953	0	1038	0	0	0	0	1756	326	0	1426	807
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	953	0	1038	0	0	0	0	1756	326	0	1426	807
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.44	xxxx	1.56	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.19	1.81
Final Sat.:	2350	0	2559	0	0	0	0	5400	1800	0	5747	2957
Capacity Analysis Module:												
Vol/Sat:	0.41	0.00	0.41	0.00	0.00	0.00	0.00	0.33	0.18	0.00	0.25	0.27
Crit Volume:	664				0			585			0	
Crit Moves:	****							****			****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.783
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	C

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	572	168	181	213	146	496	674	1654	705	86	1854	112
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	572	168	181	213	146	496	674	1654	705	86	1854	112
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	572	168	181	213	146	496	674	1654	705	86	1854	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	572	168	181	213	146	496	674	1654	705	86	1854	112
RTOR Reduct:	0	0	0	0	0	371	0	0	315	0	0	0
RTOR Vol:	572	168	181	213	146	125	674	1654	390	86	1854	112
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	572	168	181	213	146	125	674	1654	390	86	1854	112
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.72	0.28
Final Sat.:	3000	1650	1650	1650	1650	1650	3000	6600	1650	1650	7780	470
Capacity Analysis Module:												
Vol/Sat:	0.19	0.10	0.11	0.13	0.09	0.08	0.22	0.25	0.24	0.05	0.24	0.24
Crit Volume:	286			213			337			393		
Crit Moves:	****			****			****			****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.594	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	56	Level Of Service:	A	

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	2 0	4 0	1	2 0	3 1	0
Volume Module:												
Base Vol:	524	357	88	300	221	123	125	1522	248	125	1229	299
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	524	357	88	300	221	123	125	1522	248	125	1229	299
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	524	357	88	300	221	123	125	1522	248	125	1229	299
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	524	357	88	300	221	123	125	1522	248	125	1229	299
RTOR Reduct:	0	0	69	0	0	0	0	0	248	0	0	0
RTOR Vol:	524	357	19	300	221	123	125	1522	0	125	1229	299
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	524	357	19	300	221	123	125	1522	0	125	1229	299
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.28	0.72	2.00	4.00	1.00	2.00	3.22	0.78
Final Sat.:	3000	1650	1650	3000	2120	1180	3000	6600	1650	3000	5309	1291
Capacity Analysis Module:												
Vol/Sat:	0.17	0.22	0.01	0.10	0.10	0.10	0.04	0.23	0.00	0.04	0.23	0.23
Crit Volume:		357				172	63				382	
Crit Moves:		****				****	****				****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.618
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	60	Level Of Service:	B

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	2	0 3	0 0
Volume Module:												
Base Vol:	579	0	506	0	0	0	0	1598	435	385	843	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	579	0	506	0	0	0	0	1598	435	385	843	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	579	0	506	0	0	0	0	1598	435	385	843	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	579	0	506	0	0	0	0	1598	435	385	843	0
RTOR Reduct:	0	0	212	0	0	0	0	0	318	0	0	0
RTOR Vol:	579	0	294	0	0	0	0	1598	117	385	843	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	579	0	294	0	0	0	0	1598	117	385	843	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	3.00	0.00
Final Sat.:	3127	0	3127	0	0	0	0	5160	1720	3127	5160	0
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.09	0.00	0.00	0.00	0.00	0.31	0.07	0.12	0.16	0.00
Crit Volume:	290				0			533		193		
Crit Moves:	****							****		****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.428
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	2 0	1	1 0	1 0	1	1 0	1 0	1	0 1
Volume Module:												
Base Vol:	58	340	77	206	360	63	56	155	47	283	275	423
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	58	340	77	206	360	63	56	155	47	283	275	423
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	340	77	206	360	63	56	155	47	283	275	423
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	340	77	206	360	63	56	155	47	283	275	423
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	113
RTOR Vol:	58	340	77	206	360	63	56	155	47	283	275	310
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	58	340	77	206	360	63	56	155	47	283	275	310
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.63	0.37	2.00	1.70	0.30	1.00	1.53	0.47	1.00	1.00	1.00
Final Sat.:	1650	2691	609	3000	2809	491	1650	2532	768	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.13	0.13	0.07	0.13	0.13	0.03	0.06	0.06	0.17	0.17	0.19
Crit Volume:		209		103					101	283		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.547
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 1	0 1	0	0	0	1! 0	0	1	0 2	0 1	1	0 2	0 1
Volume Module:												
Base Vol:	430	5	88	35	10	90	7	425	107	35	737	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	430	5	88	35	10	90	7	425	107	35	737	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	430	5	88	35	10	90	7	425	107	35	737	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	430	5	88	35	10	90	7	425	107	35	737	19
RTOR Reduct:	0	0	0	0	0	0	0	0	107	0	0	19
RTOR Vol:	430	5	88	35	10	90	7	425	0	35	737	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	430	5	88	35	10	90	7	425	0	35	737	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.66	0.34	0.26	0.07	0.67	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1720	1141	579	446	127	1147	1720	3440	1720	1720	3440	1720
Capacity Analysis Module:												
Vol/Sat:	0.25	0.00	0.15	0.08	0.08	0.08	0.00	0.12	0.00	0.02	0.21	0.00
Crit Volume:	430					135	7				369	
Crit Moves:	****					****	****				****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.526
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	48	Level Of Service:	A

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	1	0 1	1 0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	179	559	178	115	263	145	97	344	46	31	400	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	179	559	178	115	263	145	97	344	46	31	400	175
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	179	559	178	115	263	145	97	344	46	31	400	175
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	179	559	178	115	263	145	97	344	46	31	400	175
RTOR Reduct:	0	0	31	0	0	0	0	0	0	0	0	0
RTOR Vol:	179	559	147	115	263	145	97	344	46	31	400	175
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	179	559	147	115	263	145	97	344	46	31	400	175
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.29	0.71	1.00	1.76	0.24	1.00	1.39	0.61
Final Sat.:	1650	3300	1650	1650	2127	1173	1650	2911	389	1650	2296	1004
Capacity Analysis Module:												
Vol/Sat:	0.11	0.17	0.09	0.07	0.12	0.12	0.06	0.12	0.12	0.02	0.17	0.17
Crit Volume:		280			204			97			288	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.403
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	188	379	11	55	363	146	334	37	255	69	104	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	188	379	11	55	363	146	334	37	255	69	104	166
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	188	379	11	55	363	146	334	37	255	69	104	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	188	379	11	55	363	146	334	37	255	69	104	166
RTOR Reduct:	0	0	0	0	0	146	0	0	188	0	0	55
RTOR Vol:	188	379	11	55	363	0	334	37	67	69	104	111
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	188	379	11	55	363	0	334	37	67	69	104	111
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.94	0.06	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	3207	93	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.11	0.12	0.12	0.03	0.11	0.00	0.11	0.02	0.04	0.04	0.06	0.07
Crit Volume:	188				182		167					111
Crit Moves:	****				****		****					****

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.362
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	25	482	21	9	392	42	198	18	177	146	11	93
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	482	21	9	392	42	198	18	177	146	11	93
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	482	21	9	392	42	198	18	177	146	11	93
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	482	21	9	392	42	198	18	177	146	11	93
RTOR Reduct:	0	0	0	0	0	0	0	0	25	0	0	9
RTOR Vol:	25	482	21	9	392	42	198	18	152	146	11	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	25	482	21	9	392	42	198	18	152	146	11	84
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.92	0.08	1.00	1.81	0.19	0.92	0.08	1.00	0.93	0.07	1.00
Final Sat.:	1720	3296	144	1720	3107	333	1577	143	1720	1599	121	1720
Capacity Analysis Module:												
Vol/Sat:	0.01	0.15	0.15	0.01	0.13	0.13	0.13	0.13	0.09	0.09	0.09	0.05
Crit Volume:			252	9				216		146		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.447
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	1 0	0	1 0	1 0	0	1 0
Volume Module:												
Base Vol:	31	260	5	2	945	111	117	1	97	111	16	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	31	260	5	2	945	111	117	1	97	111	16	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	31	260	5	2	945	111	117	1	97	111	16	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	260	5	2	945	111	117	1	97	111	16	11
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	31	260	5	2	945	111	117	1	97	111	16	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	31	260	5	2	945	111	117	1	97	111	16	11
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.96	0.04	1.00	1.79	0.21	1.00	0.01	0.99	1.00	0.59	0.41
Final Sat.:	1720	3375	65	1720	3078	362	1720	18	1702	1720	1019	701
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.08	0.00	0.31	0.31	0.07	0.06	0.06	0.06	0.02	0.02
Crit Volume:	31				528			98		111		
Crit Moves:	****				****			****		****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.627
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	Level Of Service:	B

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1	0	0	2	0	0	3
Volume Module:												
Base Vol:	2	0	114	940	33	312	0	854	196	0	1150	1418
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	0	114	940	33	312	0	854	196	0	1150	1418
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	0	114	940	33	312	0	854	196	0	1150	1418
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	114	940	33	312	0	854	196	0	1150	1418
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	2	0	114	940	33	312	0	854	196	0	1150	1418
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	114	940	33	312	0	854	196	0	1150	1418
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.00	0.98	1.93	0.07	2.00	0.00	3.25	0.75	0.00	3.00	1.00
Final Sat.:	28	0	1622	2898	112	3000	0	5368	1232	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.07	0.00	0.07	0.32	0.29	0.10	0.00	0.16	0.16	0.00	0.23	0.86
Crit Volume:			116	487			0				383	
Crit Moves:			****	****			****				****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.774
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	82	Level Of Service:	C

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 2	0	0 0	0 0	0	0 3	0 1	0	0 2	1 1
Volume Module:												
Base Vol:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	708	0	1366	0	0	0	0	1361	437	0	1913	651
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	708	0	1366	0	0	0	0	1361	437	0	1913	651
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	708	0	1366	0	0	0	0	1361	437	0	1913	651
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	2.98	1.02
Final Sat.:	1800	0	3272	0	0	0	0	5400	1800	0	5372	1662
Capacity Analysis Module:												
Vol/Sat:	0.39	0.00	0.42	0.00	0.00	0.00	0.00	0.25	0.24	0.00	0.36	0.39
Crit Volume:			683	0			0				641	
Crit Moves:			****				****				****	

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.805
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	2 0	0 1	1	2 0	3 0	1	1 0	3 1	0
Volume Module:												
Base Vol:	340	77	120	621	51	590	120	1819	27	66	1087	242
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	340	77	120	621	51	590	120	1819	27	66	1087	242
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	340	77	120	621	51	590	120	1819	27	66	1087	242
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	340	77	120	621	51	590	120	1819	27	66	1087	242
RTOR Reduct:	0	0	66	0	0	66	0	0	27	0	0	0
RTOR Vol:	340	77	54	621	51	524	120	1819	0	66	1087	242
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	340	77	54	621	51	524	120	1819	0	66	1087	242
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	2.00	0.18	1.82	2.00	3.00	1.00	1.00	3.27	0.73
Final Sat.:	1650	1650	1650	3000	293	2734	3000	4950	1650	1650	5398	1202
Capacity Analysis Module:												
Vol/Sat:	0.21	0.05	0.03	0.21	0.17	0.19	0.04	0.37	0.00	0.04	0.20	0.20
Crit Volume:	340					288		606		66		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Existing Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.680
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	71	Level Of Service:	B

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	2 0	2	0 1	1 0	3	0 1	1 0	3	0 1
Volume Module:												
Base Vol:	149	234	211	309	373	155	126	1479	333	237	558	147
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	149	234	211	309	373	155	126	1479	333	237	558	147
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	149	234	211	309	373	155	126	1479	333	237	558	147
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	149	234	211	309	373	155	126	1479	333	237	558	147
RTOR Reduct:	0	0	0	0	0	126	0	0	82	0	0	147
RTOR Vol:	149	234	211	309	373	29	126	1479	251	237	558	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	149	234	211	309	373	29	126	1479	251	237	558	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.05	0.95	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	1735	1565	3000	3300	1650	1650	4950	1650	1650	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.13	0.13	0.10	0.11	0.02	0.08	0.30	0.15	0.14	0.11	0.00
Crit Volume:			223	155				493		237		
Crit Moves:			****	****				****		****		

H. Intersection LOS Analysis Sheets – Existing+Project AM

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	A	xxxxx	0.307	A	xxxxx	0.319	+ 0.012 V/C
#1002 Fostoria Way / Camino Ramon /	B	10.1	0.384	B	10.3	0.409	+ 0.024 V/C
#1003 Crow Canyon Rd. / San Ramon Va	A	xxxxx	0.552	A	xxxxx	0.591	+ 0.040 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.442	A	xxxxx	0.520	+ 0.078 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	B	xxxxx	0.604	B	xxxxx	0.692	+ 0.089 V/C
#1006 Crow Canyon Rd. / Crow Canyon	B	xxxxx	0.600	C	xxxxx	0.717	+ 0.117 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.516	C	xxxxx	0.734	+ 0.218 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	A	xxxxx	0.553	A	xxxxx	0.566	+ 0.013 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.540	A	xxxxx	0.598	+ 0.059 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.351	A	xxxxx	0.410	+ 0.059 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.450	A	xxxxx	0.579	+ 0.129 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.367	A	xxxxx	0.400	+ 0.033 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.371	A	xxxxx	0.413	+ 0.042 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.261	A	xxxxx	0.316	+ 0.055 V/C
#1015 Bollinger Canyon Rd. / I-680 S	B	xxxxx	0.625	B	xxxxx	0.628	+ 0.003 V/C
#1016 Bollinger Canyon Rd. / I-680 N	D	xxxxx	0.854	E	xxxxx	0.914	+ 0.061 V/C
#1017 Bollinger Canyon Rd. / Camino	A	xxxxx	0.538	A	xxxxx	0.582	+ 0.044 V/C
#1018 Bollinger Canyon Rd. / Alcosta	B	xxxxx	0.662	B	xxxxx	0.681	+ 0.019 V/C

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.319
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	1 0	0 1	0	1 0	1 1	0	1 0	1 1	0
Volume Module:												
Base Vol:	79	184	63	58	237	32	23	126	101	45	125	60
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	184	63	58	237	32	23	126	101	45	125	60
Added Vol:	11	0	0	0	0	0	0	9	8	0	14	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	184	63	58	237	32	23	135	109	45	139	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	90	184	63	58	237	32	23	135	109	45	139	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	184	63	58	237	32	23	135	109	45	139	60
RTOR Reduct:	0	0	45	0	0	0	0	0	0	0	0	0
RTOR Vol:	90	184	18	58	237	32	23	135	109	45	139	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	90	184	18	58	237	32	23	135	109	45	139	60
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.88	0.12	1.00	1.11	0.89	1.00	1.40	0.60
Final Sat.:	1650	1650	1650	1650	1454	196	1650	1826	1474	1650	2305	995
Capacity Analysis Module:												
Vol/Sat:	0.05	0.11	0.01	0.04	0.16	0.16	0.01	0.07	0.07	0.03	0.06	0.06
Crit Volume:	90				269			122			45	
Crit Moves:	****				****			****			****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.409
Loss Time (sec):	0	Average Delay (sec/veh):	10.3
Optimal Cycle:	0	Level Of Service:	B

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	0 0	1! 0	0
Volume Module:												
Base Vol:	227	10	28	2	11	1	5	78	207	22	57	2
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	227	10	28	2	11	1	5	78	207	22	57	2
Added Vol:	13	0	0	0	0	0	0	0	14	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	240	10	28	2	11	1	5	78	221	22	57	2
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	240	10	28	2	11	1	5	78	221	22	57	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	240	10	28	2	11	1	5	78	221	22	57	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	240	10	28	2	11	1	5	78	221	22	57	2
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.14	0.79	0.07	1.00	1.00	1.00	0.27	0.71	0.02
Final Sat.:	587	635	725	83	456	41	587	639	732	163	423	15
Capacity Analysis Module:												
Vol/Sat:	0.41	0.02	0.04	0.02	0.02	0.02	0.01	0.12	0.30	0.13	0.13	0.13
Crit Moves:	****				****				****	****		
Delay/Veh:	12.5	8.2	7.6	8.9	8.9	8.9	8.7	8.9	9.4	9.6	9.6	9.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.5	8.2	7.6	8.9	8.9	8.9	8.7	8.9	9.4	9.6	9.6	9.6
LOS by Move:	B	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	11.8			8.9			9.2			9.6		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.8			8.9			9.2			9.6		
LOS by Appr:	B			A			A			A		
AllWayAvgQ:	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.1	0.1

Note: Queue reported is the number of cars per lane.

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.591
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	56	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 2	0 1	2	0 2	0 1	2	0 3	0 1	2	0 3	0 1
Volume Module:												
Base Vol:	118	172	333	402	155	46	145	915	133	542	1409	197
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	118	172	333	402	155	46	145	915	133	542	1409	197
Added Vol:	9	12	80	6	14	0	-1	63	14	64	64	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	127	184	413	408	169	46	144	978	147	606	1473	197
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	127	184	413	408	169	46	144	978	147	606	1473	197
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	127	184	413	408	169	46	144	978	147	606	1473	197
RTOR Reduct:	0	0	333	0	0	46	0	0	70	0	0	197
RTOR Vol:	127	184	80	408	169	0	144	978	77	606	1473	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	127	184	80	408	169	0	144	978	77	606	1473	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.06	0.05	0.14	0.05	0.00	0.05	0.20	0.05	0.20	0.30	0.00
Crit Volume:		92		204				326		303		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.520
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 0	0	0 0	2 0	0	0 2	0 0	3	0 1	0 0	3	0 1
Volume Module:												
Base Vol:	0	0	0	752	0	673	0	1145	452	0	778	1007
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	752	0	673	0	1145	452	0	778	1007
Added Vol:	0	0	0	177	0	59	0	131	17	0	70	198
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	929	0	732	0	1276	469	0	848	1205
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	929	0	732	0	1276	469	0	848	1205
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	929	0	732	0	1276	469	0	848	1205
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	929	0	732	0	1276	469	0	848	1205
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	929	0	732	0	1276	469	0	848	1205
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3272	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.28	0.00	0.22	0.00	0.24	0.26	0.00	0.16	0.67
Crit Volume:		0		465				425		0		
Crit Moves:				****				****		****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.692
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	60	Level Of Service:	B

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1!	0 1	0	0 0	0 0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	529	0	897	0	0	0	0	1691	228	0	1122	617
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	529	0	897	0	0	0	0	1691	228	0	1122	617
Added Vol:	0	0	197	0	0	0	0	243	66	0	268	147
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	529	0	1094	0	0	0	0	1934	294	0	1390	764
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	529	0	1094	0	0	0	0	1934	294	0	1390	764
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	529	0	1094	0	0	0	0	1934	294	0	1390	764
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	529	0	1094	0	0	0	0	1934	294	0	1390	764
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	529	0	1094	0	0	0	0	1934	294	0	1390	764
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.23	1.77
Final Sat.:	1636	0	3272	0	0	0	0	5400	1800	0	5808	2902
Capacity Analysis Module:												
Vol/Sat:	0.32	0.00	0.33	0.00	0.00	0.00	0.00	0.36	0.16	0.00	0.24	0.26
Crit Volume:			547		0			645			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.717
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	81	Level Of Service:	C

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	181	56	50	141	97	294	414	1989	762	134	1680	119
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	181	56	50	141	97	294	414	1989	762	134	1680	119
Added Vol:	81	10	14	0	15	-1	-18	304	154	21	335	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	262	66	64	141	112	293	396	2293	916	155	2015	119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	262	66	64	141	112	293	396	2293	916	155	2015	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	262	66	64	141	112	293	396	2293	916	155	2015	119
RTOR Reduct:	0	0	0	0	0	218	0	0	144	0	0	0
RTOR Vol:	262	66	64	141	112	75	396	2293	772	155	2015	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	262	66	64	141	112	75	396	2293	772	155	2015	119
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.02	0.98	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.72	0.28
Final Sat.:	3000	1675	1625	1650	1650	1650	3000	6600	1650	1650	7790	460
Capacity Analysis Module:												
Vol/Sat:	0.09	0.04	0.04	0.09	0.07	0.05	0.13	0.35	0.47	0.09	0.26	0.26
Crit Volume:	131			112					772	155		
Crit Moves:	****			****					****	****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec): 100 Critical Vol./Cap.(X): 0.734
Loss Time (sec): 0 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 86 Level Of Service: C

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0 1	0 1		2 0 1	1 0		2 0 4	0 1		2 0 3	1 0	
Volume Module:												
Base Vol:	126	66	36	74	89	37	140	1475	636	277	1605	178
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	126	66	36	74	89	37	140	1475	636	277	1605	178
Added Vol:	262	13	19	-1	15	-3	-39	19	338	30	97	-13
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	388	79	55	73	104	34	101	1494	974	307	1702	165
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	388	79	55	73	104	34	101	1494	974	307	1702	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	388	79	55	73	104	34	101	1494	974	307	1702	165
RTOR Reduct:	0	0	55	0	0	0	0	0	213	0	0	0
RTOR Vol:	388	79	0	73	104	34	101	1494	761	307	1702	165
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	388	79	0	73	104	34	101	1494	761	307	1702	165
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.51	0.49	2.00	4.00	1.00	2.00	3.65	0.35
Final Sat.:	3000	1650	1650	3000	2487	813	3000	6600	1650	3000	6017	583
Capacity Analysis Module:												
Vol/Sat:	0.13	0.05	0.00	0.02	0.04	0.04	0.03	0.23	0.46	0.10	0.28	0.28
Crit Volume:	194				69				761	154		
Crit Moves:	****				****				****	****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.566
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	53	Level Of Service:	A

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	2	0 3	0 0
Volume Module:												
Base Vol:	245	0	202	0	0	0	0	570	481	855	1570	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	245	0	202	0	0	0	0	570	481	855	1570	0
Added Vol:	71	0	41	0	0	0	0	32	5	32	44	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	316	0	243	0	0	0	0	602	486	887	1614	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	316	0	243	0	0	0	0	602	486	887	1614	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	316	0	243	0	0	0	0	602	486	887	1614	0
RTOR Reduct:	0	0	243	0	0	0	0	0	174	0	0	0
RTOR Vol:	316	0	0	0	0	0	0	602	312	887	1614	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	316	0	0	0	0	0	0	602	312	887	1614	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	3.00	0.00
Final Sat.:	3127	0	3127	0	0	0	0	5160	1720	3127	5160	0
Capacity Analysis Module:												
Vol/Sat:	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.18	0.28	0.31	0.00
Crit Volume:	158				0				312	444		
Crit Moves:	****								****	****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.598
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	57	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	54	298	257	386	169	29	70	486	75	120	137	216
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	54	298	257	386	169	29	70	486	75	120	137	216
Added Vol:	0	-4	23	92	0	0	-1	35	0	19	32	106
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	54	294	280	478	169	29	69	521	75	139	169	322
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	294	280	478	169	29	69	521	75	139	169	322
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	294	280	478	169	29	69	521	75	139	169	322
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	263
RTOR Vol:	54	294	280	478	169	29	69	521	75	139	169	59
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	54	294	280	478	169	29	69	521	75	139	169	59
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.02	0.98	2.00	1.71	0.29	1.00	1.75	0.25	1.00	1.00	1.00
Final Sat.:	1650	1690	1610	3000	2817	483	1650	2885	415	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.03	0.17	0.17	0.16	0.06	0.06	0.04	0.18	0.18	0.08	0.10	0.04
Crit Volume:		287		239				298		139		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.410
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0	0 1	0	1	0 1	1	0	2 0 1	1	0	2 0 1
Volume Module:												
Base Vol:	43	7	17	7	8	5	68	751	523	48	376	30
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	43	7	17	7	8	5	68	751	523	48	376	30
Added Vol:	0	43	0	9	63	65	61	59	31	4	91	13
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	43	50	17	16	71	70	129	810	554	52	467	43
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	43	50	17	16	71	70	129	810	554	52	467	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	50	17	16	71	70	129	810	554	52	467	43
RTOR Reduct:	0	0	0	0	0	70	0	0	43	0	0	16
RTOR Vol:	43	50	17	16	71	0	129	810	511	52	467	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	43	50	17	16	71	0	129	810	511	52	467	27
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.75	0.25	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1650	1231	419	1650	1650	1650	1650	3300	1650	1650	3300	1650
Capacity Analysis Module:												
Vol/Sat:	0.03	0.04	0.04	0.01	0.04	0.00	0.08	0.25	0.31	0.03	0.14	0.02
Crit Volume:	43				71				511	52		
Crit Moves:	****				****				****	****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.579
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	Level Of Service:	A

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	1 0	1 1	0	1 0	1 1	0	1 0	1 1	0
Volume Module:												
Base Vol:	77	104	41	188	519	99	84	329	140	122	302	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	77	104	41	188	519	99	84	329	140	122	302	101
Added Vol:	8	137	20	11	211	34	14	18	12	32	35	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	241	61	199	730	133	98	347	152	154	337	102
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	241	61	199	730	133	98	347	152	154	337	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	241	61	199	730	133	98	347	152	154	337	102
RTOR Reduct:	0	0	61	0	0	0	0	0	0	0	0	0
RTOR Vol:	85	241	0	199	730	133	98	347	152	154	337	102
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	85	241	0	199	730	133	98	347	152	154	337	102
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.69	0.31	1.00	1.39	0.61	1.00	1.54	0.46
Final Sat.:	1650	3300	1650	1650	2791	509	1650	2295	1005	1650	2533	767
Capacity Analysis Module:												
Vol/Sat:	0.05	0.07	0.00	0.12	0.26	0.26	0.06	0.15	0.15	0.09	0.13	0.13
Crit Volume:		121			432				250	154		
Crit Moves:		****			****				****	****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.400
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	290	278	50	244	328	252	67	72	182	16	29	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	290	278	50	244	328	252	67	72	182	16	29	58
Added Vol:	40	22	0	0	33	27	23	0	25	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	330	300	50	244	361	279	90	72	207	16	29	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	330	300	50	244	361	279	90	72	207	16	29	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	330	300	50	244	361	279	90	72	207	16	29	58
RTOR Reduct:	0	0	0	0	0	50	0	0	207	0	0	58
RTOR Vol:	330	300	50	244	361	230	90	72	0	16	29	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	330	300	50	244	361	230	90	72	0	16	29	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.71	0.29	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	2829	471	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.20	0.11	0.11	0.15	0.11	0.14	0.03	0.04	0.00	0.01	0.02	0.00
Crit Volume:	330					230		72			29	
Crit Moves:	****					****		****			****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.413
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	228	212	163	74	374	169	16	58	16	64	39	69
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	228	212	163	74	374	169	16	58	16	64	39	69
Added Vol:	15	133	0	0	115	0	0	0	9	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	243	345	163	74	489	169	16	58	25	64	39	69
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	243	345	163	74	489	169	16	58	25	64	39	69
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	243	345	163	74	489	169	16	58	25	64	39	69
RTOR Reduct:	0	0	0	0	0	0	0	0	25	0	0	69
RTOR Vol:	243	345	163	74	489	169	16	58	0	64	39	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	243	345	163	74	489	169	16	58	0	64	39	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.36	0.64	1.00	1.49	0.51	0.22	0.78	1.00	0.62	0.38	1.00
Final Sat.:	1720	2336	1104	1720	2556	884	372	1348	1720	1069	651	1720
Capacity Analysis Module:												
Vol/Sat:	0.14	0.15	0.15	0.04	0.19	0.19	0.04	0.04	0.00	0.06	0.06	0.00
Crit Volume:	243				329			74		64		
Crit Moves:	****				****			****		****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.316
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	Level Of Service:	A

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	1 0	0	1 0	1 0	0	1 0
Volume Module:												
Base Vol:	49	705	101	17	137	32	27	5	15	4	2	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	49	705	101	17	137	32	27	5	15	4	2	0
Added Vol:	8	104	0	0	124	0	43	0	5	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	57	809	101	17	261	32	70	5	20	4	2	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	57	809	101	17	261	32	70	5	20	4	2	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	809	101	17	261	32	70	5	20	4	2	0
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	57	809	101	17	261	32	70	5	20	4	2	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	57	809	101	17	261	32	70	5	20	4	2	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.78	0.22	1.00	1.78	0.22	1.00	0.20	0.80	1.00	1.00	0.00
Final Sat.:	1720	3058	382	1720	3064	376	1720	344	1376	1720	1720	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.26	0.26	0.01	0.09	0.09	0.04	0.01	0.01	0.00	0.00	0.00
Crit Volume:		455			17			70			2	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.628
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	Level Of Service:	B

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1 0 0 2	0	0	3 1 0	0	0	3 0 1
Volume Module:												
Base Vol:	3	0	72	1156	18	180	0	1015	227	0	488	920
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	72	1156	18	180	0	1015	227	0	488	920
Added Vol:	0	0	0	0	0	0	0	23	0	0	22	103
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	3	0	72	1156	18	180	0	1038	227	0	510	1023
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	0	72	1156	18	180	0	1038	227	0	510	1023
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	72	1156	18	180	0	1038	227	0	510	1023
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	3	0	72	1156	18	180	0	1038	227	0	510	1023
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	0	72	1156	18	180	0	1038	227	0	510	1023
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.04	0.00	0.96	1.97	0.03	2.00	0.00	3.28	0.72	0.00	3.00	1.00
Final Sat.:	66	0	1584	2954	51	3000	0	5416	1184	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.05	0.39	0.36	0.06	0.00	0.19	0.19	0.00	0.10	0.62
Crit Volume:			75	587				316		0		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.914	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	180	Level Of Service:	E	

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0 0	2	0 0	0 0	0	0 0	3 0	1	0 0	2 1	1
Volume Module:												
Base Vol:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Added Vol:	0	0	134	0	0	0	0	23	0	0	126	15
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	333	0	2106	0	0	0	0	1317	839	0	1300	648
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	333	0	2106	0	0	0	0	1317	839	0	1300	648
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	333	0	2106	0	0	0	0	1317	839	0	1300	648
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	333	0	2106	0	0	0	0	1317	839	0	1300	648
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	333	0	2106	0	0	0	0	1317	839	0	1300	648
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	2.67	1.33
Final Sat.:	1800	0	3272	0	0	0	0	5400	1800	0	4805	2177
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.64	0.00	0.00	0.00	0.00	0.24	0.47	0.00	0.27	0.30
Crit Volume:			1053	0			0				487	
Crit Moves:			****				****				****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.582
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	55	Level Of Service:	A

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	2 0	0 1	1	2 0	3 0	1	1 0	3 1	0
Volume Module:												
Base Vol:	20	22	14	62	35	97	631	881	401	34	1544	396
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	20	22	14	62	35	97	631	881	401	34	1544	396
Added Vol:	0	0	0	42	0	88	71	0	0	0	0	41
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	20	22	14	104	35	185	702	881	401	34	1544	437
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	22	14	104	35	185	702	881	401	34	1544	437
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	22	14	104	35	185	702	881	401	34	1544	437
RTOR Reduct:	0	0	14	0	0	185	0	0	20	0	0	0
RTOR Vol:	20	22	0	104	35	0	702	881	381	34	1544	437
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	20	22	0	104	35	0	702	881	381	34	1544	437
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	2.00	1.00	1.00	2.00	3.00	1.00	1.00	3.12	0.88
Final Sat.:	1650	1650	1650	3000	1650	1500	3000	4950	1650	1650	5144	1456
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.00	0.03	0.02	0.00	0.23	0.18	0.23	0.02	0.30	0.30
Crit Volume:		22			52			351			495	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Existing + Project AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.681
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	72	Level Of Service:	B

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	2 0	2	0 1	1 0	3	0 1	1 0	3	0 1
Volume Module:												
Base Vol:	549	382	128	81	245	185	172	384	80	223	1488	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	549	382	128	81	245	185	172	384	80	223	1488	205
Added Vol:	13	34	0	27	31	0	0	27	14	0	28	28
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	562	416	128	108	276	185	172	411	94	223	1516	233
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	562	416	128	108	276	185	172	411	94	223	1516	233
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	562	416	128	108	276	185	172	411	94	223	1516	233
RTOR Reduct:	0	0	0	0	0	172	0	0	94	0	0	59
RTOR Vol:	562	416	128	108	276	13	172	411	0	223	1516	174
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	562	416	128	108	276	13	172	411	0	223	1516	174
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.53	0.47	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	2524	776	3000	3300	1650	1650	4950	1650	1650	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.19	0.16	0.16	0.04	0.08	0.01	0.10	0.08	0.00	0.14	0.31	0.11
Crit Volume:	281				138		172				505	
Crit Moves:	****				****		****				****	

With Mitigation

North Camino Ramon Specific Plan
Existing + Project + Mitigation AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.692
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	60	Level Of Service:	B

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0	0 0 0	0	0	3 0 1	0	0	3 1 1
Volume Module:												
Base Vol:	529	0	897	0	0	0	0	1691	228	0	1122	617
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	529	0	897	0	0	0	0	1691	228	0	1122	617
Added Vol:	0	0	197	0	0	0	0	243	66	0	268	147
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	529	0	1094	0	0	0	0	1934	294	0	1390	764
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	529	0	1094	0	0	0	0	1934	294	0	1390	764
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	529	0	1094	0	0	0	0	1934	294	0	1390	764
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	529	0	1094	0	0	0	0	1934	294	0	1390	764
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	529	0	1094	0	0	0	0	1934	294	0	1390	764
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.23	1.77
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	5808	2902
Capacity Analysis Module:												
Vol/Sat:	0.16	0.00	0.33	0.00	0.00	0.00	0.00	0.36	0.16	0.00	0.24	0.26
Crit Volume:			547		0			645			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Existing + Project + Mitigation AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.719
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	66	Level Of Service:	C

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0 0	3	0 0	0 0	0	0 0	3 0	1	0 0	2 1	1
Volume Module:												
Base Vol:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	333	0	1972	0	0	0	0	1294	839	0	1174	633
Added Vol:	0	0	134	0	0	0	0	23	0	0	126	15
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	333	0	2106	0	0	0	0	1317	839	0	1300	648
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	333	0	2106	0	0	0	0	1317	839	0	1300	648
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	333	0	2106	0	0	0	0	1317	839	0	1300	648
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	333	0	2106	0	0	0	0	1317	839	0	1300	648
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	333	0	2106	0	0	0	0	1317	839	0	1300	648
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	2.67	1.33
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	4805	2177
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.45	0.00	0.00	0.00	0.00	0.24	0.47	0.00	0.27	0.30
Crit Volume:			702	0			0				487	
Crit Moves:			****				****				****	

I. Intersection LOS Analysis Sheets – Existing+Project PM

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	A	xxxxx	0.471	A	xxxxx	0.490	+ 0.019 V/C
#1002 Fostoria Way / Camino Ramon /	C	18.6	0.708	C	21.0	0.779	+ 0.071 V/C
#1003 Crow Canyon Rd. / San Ramon Va	C	xxxxx	0.710	D	xxxxx	0.884	+ 0.174 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.585	B	xxxxx	0.670	+ 0.085 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	C	xxxxx	0.731	E	xxxxx	0.935	+ 0.204 V/C
#1006 Crow Canyon Rd. / Crow Canyon	C	xxxxx	0.742	E	xxxxx	0.924	+ 0.182 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.594	C	xxxxx	0.793	+ 0.199 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	B	xxxxx	0.618	B	xxxxx	0.663	+ 0.045 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.428	B	xxxxx	0.607	+ 0.179 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.538	C	xxxxx	0.738	+ 0.199 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.526	C	xxxxx	0.788	+ 0.262 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.403	A	xxxxx	0.476	+ 0.073 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.362	A	xxxxx	0.433	+ 0.071 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.447	A	xxxxx	0.542	+ 0.095 V/C
#1015 Bollinger Canyon Rd. / I-680 S	B	xxxxx	0.627	B	xxxxx	0.636	+ 0.009 V/C
#1016 Bollinger Canyon Rd. / I-680 N	C	xxxxx	0.774	E	xxxxx	0.903	+ 0.129 V/C
#1017 Bollinger Canyon Rd. / Camino	D	xxxxx	0.805	D	xxxxx	0.843	+ 0.038 V/C
#1018 Bollinger Canyon Rd. / Alcosta	B	xxxxx	0.680	C	xxxxx	0.738	+ 0.058 V/C

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.490
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	A

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	66	396	178	55	213	70	99	247	89	158	245	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	396	178	55	213	70	99	247	89	158	245	124
Added Vol:	32	0	0	0	0	0	0	32	31	0	15	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	98	396	178	55	213	70	99	279	120	158	260	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	396	178	55	213	70	99	279	120	158	260	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	396	178	55	213	70	99	279	120	158	260	124
RTOR Reduct:	0	0	158	0	0	0	0	0	0	0	0	0
RTOR Vol:	98	396	20	55	213	70	99	279	120	158	260	124
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	98	396	20	55	213	70	99	279	120	158	260	124
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.75	0.25	1.00	1.40	0.60	1.00	1.35	0.65
Final Sat.:	1650	1650	1650	1650	1242	408	1650	2308	992	1650	2234	1066
Capacity Analysis Module:												
Vol/Sat:	0.06	0.24	0.01	0.03	0.17	0.17	0.06	0.12	0.12	0.10	0.12	0.12
Crit Volume:		396		55					200	158		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.779
Loss Time (sec):	0	Average Delay (sec/veh):	21.0
Optimal Cycle:	0	Level Of Service:	C

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	0 0	1! 0	0
Volume Module:												
Base Vol:	353	292	32	7	233	33	10	72	335	44	57	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	353	292	32	7	233	33	10	72	335	44	57	1
Added Vol:	29	0	0	0	0	0	0	0	29	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	382	292	32	7	233	33	10	72	364	44	57	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	382	292	32	7	233	33	10	72	364	44	57	1
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	382	292	32	7	233	33	10	72	364	44	57	1
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	382	292	32	7	233	33	10	72	364	44	57	1
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.03	0.85	0.12	1.00	1.00	1.00	0.43	0.56	0.01
Final Sat.:	490	525	579	12	414	59	449	480	531	176	228	4
Capacity Analysis Module:												
Vol/Sat:	0.78	0.56	0.06	0.56	0.56	0.56	0.02	0.15	0.69	0.25	0.25	0.25
Crit Moves:	****				****				****			****
Delay/Veh:	30.3	17.4	9.1	18.4	18.4	18.4	10.7	11.3	21.6	13.5	13.5	13.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.3	17.4	9.1	18.4	18.4	18.4	10.7	11.3	21.6	13.5	13.5	13.5
LOS by Move:	D	C	A	C	C	C	B	B	C	B	B	B
ApproachDel:	24.0			18.4			19.7			13.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	24.0			18.4			19.7			13.5		
LOS by Appr:	C			C			C			B		
AllWayAvgQ:	2.8	1.2	0.1	1.1	1.1	1.1	0.0	0.2	1.8	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.884
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	D

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 2	0 1	2	0 2	0 1	2	0 3	0 1	2	0 3	0 1
Volume Module:												
Base Vol:	201	449	554	492	318	103	249	1031	106	605	1321	373
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	201	449	554	492	318	103	249	1031	106	605	1321	373
Added Vol:	26	26	238	8	25	-1	0	145	22	124	140	18
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	227	475	792	500	343	102	249	1176	128	729	1461	391
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	227	475	792	500	343	102	249	1176	128	729	1461	391
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	227	475	792	500	343	102	249	1176	128	729	1461	391
RTOR Reduct:	0	0	401	0	0	102	0	0	125	0	0	275
RTOR Vol:	227	475	391	500	343	0	249	1176	3	729	1461	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	227	475	391	500	343	0	249	1176	3	729	1461	116
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.08	0.14	0.24	0.17	0.10	0.00	0.08	0.24	0.00	0.24	0.30	0.07
Crit Volume:			391	250				392		365		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.670
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	56	Level Of Service:	B

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 0	0	0 0	2 0	0	0 2	0 0	3	0 1	0 0	3	0 1
Volume Module:												
Base Vol:	0	0	0	732	0	1039	0	1366	718	0	1446	933
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	732	0	1039	0	1366	718	0	1446	933
Added Vol:	0	0	0	397	0	128	0	328	64	0	155	394
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	1129	0	1167	0	1694	782	0	1601	1327
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	1129	0	1167	0	1694	782	0	1601	1327
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	1129	0	1167	0	1694	782	0	1601	1327
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	1129	0	1167	0	1694	782	0	1601	1327
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	1129	0	1167	0	1694	782	0	1601	1327
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	3272	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.35	0.00	0.36	0.00	0.31	0.43	0.00	0.30	0.74
Crit Volume:	0					584		565		0		
Crit Moves:						****		****		****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.935
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1!	0 1	0	0 0	0 0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Added Vol:	0	0	491	0	0	0	0	560	164	0	549	312
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.15	0.01	1.84	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.19	1.81
Final Sat.:	1885	0	3024	0	0	0	0	5400	1800	0	5745	2959
Capacity Analysis Module:												
Vol/Sat:	0.51	0.00	0.51	0.00	0.00	0.00	0.00	0.43	0.27	0.00	0.34	0.38
Crit Volume:	827				0			772			0	
Crit Moves:	****							****			****	

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.924
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	572	168	181	213	146	496	674	1654	705	86	1854	112
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	572	168	181	213	146	496	674	1654	705	86	1854	112
Added Vol:	274	33	53	0	29	-9	2	795	254	48	596	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	846	201	234	213	175	487	676	2449	959	134	2450	112
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	846	201	234	213	175	487	676	2449	959	134	2450	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	846	201	234	213	175	487	676	2449	959	134	2450	112
RTOR Reduct:	0	0	0	0	0	372	0	0	465	0	0	0
RTOR Vol:	846	201	234	213	175	115	676	2449	494	134	2450	112
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	846	201	234	213	175	115	676	2449	494	134	2450	112
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.78	0.22
Final Sat.:	3000	1650	1650	1650	1650	1650	3000	6600	1650	1650	7889	361
Capacity Analysis Module:												
Vol/Sat:	0.28	0.12	0.14	0.13	0.11	0.07	0.23	0.37	0.30	0.08	0.31	0.31
Crit Volume:	423				175		338				512	
Crit Moves:	****				****		****				****	

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.793
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	110	Level Of Service:	C

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	2 0	4 0	1	2 0	3 1	0
Volume Module:												
Base Vol:	524	357	88	300	221	123	125	1522	248	125	1229	299
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	524	357	88	300	221	123	125	1522	248	125	1229	299
Added Vol:	614	30	57	-9	29	-26	4	133	712	49	55	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1138	387	145	291	250	97	129	1655	960	174	1284	300
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1138	387	145	291	250	97	129	1655	960	174	1284	300
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1138	387	145	291	250	97	129	1655	960	174	1284	300
RTOR Reduct:	0	0	96	0	0	0	0	0	626	0	0	0
RTOR Vol:	1138	387	49	291	250	97	129	1655	334	174	1284	300
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	1138	387	49	291	250	97	129	1655	334	174	1284	300
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.44	0.56	2.00	4.00	1.00	2.00	3.24	0.76
Final Sat.:	3000	1650	1650	3000	2378	922	3000	6600	1650	3000	5350	1250
Capacity Analysis Module:												
Vol/Sat:	0.38	0.23	0.03	0.10	0.11	0.11	0.04	0.25	0.20	0.06	0.24	0.24
Crit Volume:	569			174			414			87		
Crit Moves:	****			****			****			****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.663
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	68	Level Of Service:	B

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	2	0 3	0 0
Volume Module:												
Base Vol:	579	0	506	0	0	0	0	1598	435	385	843	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	579	0	506	0	0	0	0	1598	435	385	843	0
Added Vol:	8	0	59	0	0	0	0	105	76	70	98	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	587	0	565	0	0	0	0	1703	511	455	941	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	587	0	565	0	0	0	0	1703	511	455	941	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	587	0	565	0	0	0	0	1703	511	455	941	0
RTOR Reduct:	0	0	250	0	0	0	0	0	323	0	0	0
RTOR Vol:	587	0	315	0	0	0	0	1703	188	455	941	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	587	0	315	0	0	0	0	1703	188	455	941	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	2.00	3.00	0.00
Final Sat.:	3127	0	3127	0	0	0	0	5160	1720	3127	5160	0
Capacity Analysis Module:												
Vol/Sat:	0.19	0.00	0.10	0.00	0.00	0.00	0.00	0.33	0.11	0.15	0.18	0.00
Crit Volume:	294				0			568		228		
Crit Moves:	****							****		****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.607
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	58	Level Of Service:	B

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	58	340	77	206	360	63	56	155	47	283	275	423
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	58	340	77	206	360	63	56	155	47	283	275	423
Added Vol:	0	0	49	175	-3	-1	0	73	0	52	74	289
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	58	340	126	381	357	62	56	228	47	335	349	712
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	340	126	381	357	62	56	228	47	335	349	712
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	340	126	381	357	62	56	228	47	335	349	712
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	210
RTOR Vol:	58	340	126	381	357	62	56	228	47	335	349	502
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	58	340	126	381	357	62	56	228	47	335	349	502
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.46	0.54	2.00	1.70	0.30	1.00	1.66	0.34	1.00	1.00	1.00
Final Sat.:	1650	2408	892	3000	2812	488	1650	2736	564	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.14	0.14	0.13	0.13	0.13	0.03	0.08	0.08	0.20	0.21	0.30
Crit Volume:		233		191			56					502
Crit Moves:		****		****			****					****

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.738
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	87	Level Of Service:	C

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0	0 1	1	0	1 0 1	1	0	2 0 1	1	0	2 0 1
Volume Module:												
Base Vol:	430	5	88	35	10	90	7	425	107	35	737	19
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	430	5	88	35	10	90	7	425	107	35	737	19
Added Vol:	0	98	4	33	153	242	143	115	40	0	173	30
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	430	103	92	68	163	332	150	540	147	35	910	49
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	430	103	92	68	163	332	150	540	147	35	910	49
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	430	103	92	68	163	332	150	540	147	35	910	49
RTOR Reduct:	0	0	0	0	0	150	0	0	147	0	0	49
RTOR Vol:	430	103	92	68	163	182	150	540	0	35	910	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	430	103	92	68	163	182	150	540	0	35	910	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.53	0.47	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1650	872	778	1650	1650	1650	1650	3300	1650	1650	3300	1650
Capacity Analysis Module:												
Vol/Sat:	0.26	0.12	0.12	0.04	0.10	0.11	0.09	0.16	0.00	0.02	0.28	0.00
Crit Volume:	430					182	150				455	
Crit Moves:	****					****	****				****	

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.788
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	107	Level Of Service:	C

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	1 0	1 1	0	1 0	1 1	0	1 0	1 1	0
Volume Module:												
Base Vol:	179	559	178	115	263	145	97	344	46	31	400	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	179	559	178	115	263	145	97	344	46	31	400	175
Added Vol:	19	375	50	1	283	35	55	63	16	41	49	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	198	934	228	116	546	180	152	407	62	72	449	186
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	198	934	228	116	546	180	152	407	62	72	449	186
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	198	934	228	116	546	180	152	407	62	72	449	186
RTOR Reduct:	0	0	72	0	0	0	0	0	0	0	0	0
RTOR Vol:	198	934	156	116	546	180	152	407	62	72	449	186
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	198	934	156	116	546	180	152	407	62	72	449	186
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.50	0.50	1.00	1.74	0.26	1.00	1.41	0.59
Final Sat.:	1650	3300	1650	1650	2482	818	1650	2864	436	1650	2333	967
Capacity Analysis Module:												
Vol/Sat:	0.12	0.28	0.09	0.07	0.22	0.22	0.09	0.14	0.14	0.04	0.19	0.19
Crit Volume:		467			363		152					318
Crit Moves:		****			****		****					****

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.476
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	188	379	11	55	363	146	334	37	255	69	104	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	188	379	11	55	363	146	334	37	255	69	104	166
Added Vol:	65	81	0	0	69	37	39	0	76	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	253	460	11	55	432	183	373	37	331	69	104	166
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	253	460	11	55	432	183	373	37	331	69	104	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	253	460	11	55	432	183	373	37	331	69	104	166
RTOR Reduct:	0	0	0	0	0	183	0	0	253	0	0	55
RTOR Vol:	253	460	11	55	432	0	373	37	78	69	104	111
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	253	460	11	55	432	0	373	37	78	69	104	111
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.95	0.05	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	3223	77	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.15	0.14	0.14	0.03	0.13	0.00	0.12	0.02	0.05	0.04	0.06	0.07
Crit Volume:	253				216		187					111
Crit Moves:	****				****		****					****

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.433
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	33	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	25	482	21	9	392	42	198	18	177	146	11	93
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	482	21	9	392	42	198	18	177	146	11	93
Added Vol:	19	243	0	0	228	0	0	0	23	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	44	725	21	9	620	42	198	18	200	146	11	93
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	44	725	21	9	620	42	198	18	200	146	11	93
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	725	21	9	620	42	198	18	200	146	11	93
RTOR Reduct:	0	0	0	0	0	0	0	0	44	0	0	9
RTOR Vol:	44	725	21	9	620	42	198	18	156	146	11	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	44	725	21	9	620	42	198	18	156	146	11	84
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.94	0.06	1.00	1.87	0.13	0.92	0.08	1.00	0.93	0.07	1.00
Final Sat.:	1720	3343	97	1720	3222	218	1577	143	1720	1599	121	1720
Capacity Analysis Module:												
Vol/Sat:	0.03	0.22	0.22	0.01	0.19	0.19	0.13	0.13	0.09	0.09	0.09	0.05
Crit Volume:			373	9				216		146		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.542
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Street Name:	Camino Ramon									Bishop Dr.						
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	-	T	- R	L	-	T	- R	L	-	T	- R	L	-	T	- R
Control:	Protected				Protected				Permitted				Permitted			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Y+R:	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Lanes:	1	0	1	1 0	1	0	1	1 0	1	0	0	1 0	1	0	0	1 0
Volume Module:																
Base Vol:	31	260	5		2	945	111		117	1	97		111	16	11	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	31	260	5		2	945	111		117	1	97		111	16	11	
Added Vol:	18	206	0		0	252	0		55	0	20		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	49	466	5		2	1197	111		172	1	117		111	16	11	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Volume:	49	466	5		2	1197	111		172	1	117		111	16	11	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	49	466	5		2	1197	111		172	1	117		111	16	11	
RTOR Reduct:	0	0	0		0	0	0		0	0	0		0	0	0	
RTOR Vol:	49	466	5		2	1197	111		172	1	117		111	16	11	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
FinalVolume:	49	466	5		2	1197	111		172	1	117		111	16	11	
Saturation Flow Module:																
Sat/Lane:	1720	1720	1720		1720	1720	1720		1720	1720	1720		1720	1720	1720	
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Lanes:	1.00	1.98	0.02		1.00	1.83	0.17		1.00	0.01	0.99		1.00	0.59	0.41	
Final Sat.:	1720	3403	37		1720	3148	292		1720	15	1705		1720	1019	701	
Capacity Analysis Module:																
Vol/Sat:	0.03	0.14	0.14		0.00	0.38	0.38		0.10	0.07	0.07		0.06	0.02	0.02	
Crit Volume:	49					654				118			111			
Crit Moves:	****					****				****			****			

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.636
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	63	Level Of Service:	B

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1 0	0	2	0	0	3	1 0
Volume Module:												
Base Vol:	2	0	114	940	33	312	0	854	196	0	1150	1418
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	2	0	114	940	33	312	0	854	196	0	1150	1418
Added Vol:	0	0	0	0	0	0	0	45	0	0	44	262
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	0	114	940	33	312	0	899	196	0	1194	1680
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	2	0	114	940	33	312	0	899	196	0	1194	1680
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	0	114	940	33	312	0	899	196	0	1194	1680
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	2	0	114	940	33	312	0	899	196	0	1194	1680
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	2	0	114	940	33	312	0	899	196	0	1194	1680
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.00	0.98	1.93	0.07	2.00	0.00	3.28	0.72	0.00	3.00	1.00
Final Sat.:	28	0	1622	2898	112	3000	0	5419	1181	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.07	0.00	0.07	0.32	0.29	0.10	0.00	0.17	0.17	0.00	0.24	1.02
Crit Volume:			116	487			0				398	
Crit Moves:			****	****			****				****	

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.903
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 2	0	0 0	0 0	0	0 3	0 1	0	0 2	1 1
Volume Module:												
Base Vol:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Added Vol:	0	0	243	0	0	0	0	45	0	0	306	39
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	708	0	1609	0	0	0	0	1406	437	0	2219	690
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	708	0	1609	0	0	0	0	1406	437	0	2219	690
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	708	0	1609	0	0	0	0	1406	437	0	2219	690
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	708	0	1609	0	0	0	0	1406	437	0	2219	690
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	708	0	1609	0	0	0	0	1406	437	0	2219	690
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	3272	0	0	0	0	5400	1800	0	5400	1636
Capacity Analysis Module:												
Vol/Sat:	0.39	0.00	0.49	0.00	0.00	0.00	0.00	0.26	0.24	0.00	0.41	0.42
Crit Volume:			805	0			0				740	
Crit Moves:			****				****				****	

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.843
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	145	Level Of Service:	D

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	2	0 0	1 1	2	0 3	0 1	1	0 3	1 0
Volume Module:												
Base Vol:	340	77	120	621	51	590	120	1819	27	66	1087	242
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	340	77	120	621	51	590	120	1819	27	66	1087	242
Added Vol:	0	0	0	82	0	190	139	0	0	0	0	85
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	340	77	120	703	51	780	259	1819	27	66	1087	327
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	340	77	120	703	51	780	259	1819	27	66	1087	327
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	340	77	120	703	51	780	259	1819	27	66	1087	327
RTOR Reduct:	0	0	66	0	0	142	0	0	27	0	0	0
RTOR Vol:	340	77	54	703	51	638	259	1819	0	66	1087	327
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	340	77	54	703	51	638	259	1819	0	66	1087	327
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	2.00	0.15	1.85	2.00	3.00	1.00	1.00	3.07	0.93
Final Sat.:	1650	1650	1650	3000	244	2778	3000	4950	1650	1650	5074	1526
Capacity Analysis Module:												
Vol/Sat:	0.21	0.05	0.03	0.23	0.21	0.23	0.09	0.37	0.00	0.04	0.21	0.21
Crit Volume:	340					344		606		66		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Existing + Project PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.738
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	87	Level Of Service:	C

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	2 0	2	0 1	1 0	3	0 1	1 0	3	0 1
Volume Module:												
Base Vol:	149	234	211	309	373	155	126	1479	333	237	558	147
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	149	234	211	309	373	155	126	1479	333	237	558	147
Added Vol:	22	82	0	62	83	0	0	62	20	0	63	63
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	171	316	211	371	456	155	126	1541	353	237	621	210
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	316	211	371	456	155	126	1541	353	237	621	210
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	316	211	371	456	155	126	1541	353	237	621	210
RTOR Reduct:	0	0	0	0	0	126	0	0	94	0	0	204
RTOR Vol:	171	316	211	371	456	29	126	1541	259	237	621	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	171	316	211	371	456	29	126	1541	259	237	621	6
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.20	0.80	2.00	2.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	3000	1979	1321	3000	3300	1650	1650	4950	1650	1650	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.06	0.16	0.16	0.12	0.14	0.02	0.08	0.31	0.16	0.14	0.13	0.00
Crit Volume:			264	186				514		237		
Crit Moves:			****	****				****		****		

With Mitigation

North Camino Ramon Specific Plan
Existing + Project + Mitigation PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.896
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	179	Level Of Service:	D

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	953	0	1038	0	0	0	0	1756	326	0	1426	807
Added Vol:	0	0	491	0	0	0	0	560	164	0	549	312
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	953	0	1529	0	0	0	0	2316	490	0	1975	1119
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.19	1.81
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	5745	2959
Capacity Analysis Module:												
Vol/Sat:	0.29	0.00	0.47	0.00	0.00	0.00	0.00	0.43	0.27	0.00	0.34	0.38
Crit Volume:			765		0			772			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Existing + Project + Mitigation PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Future Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.804
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	95	Level Of Service:	D

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 3	0	0	0 0 0	0	0	3 0 1	0	0	2 1 1
Volume Module:												
Base Vol:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	708	0	1366	0	0	0	0	1361	437	0	1913	651
Added Vol:	0	0	243	0	0	0	0	45	0	0	306	39
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	708	0	1609	0	0	0	0	1406	437	0	2219	690
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	708	0	1609	0	0	0	0	1406	437	0	2219	690
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	708	0	1609	0	0	0	0	1406	437	0	2219	690
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	708	0	1609	0	0	0	0	1406	437	0	2219	690
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	708	0	1609	0	0	0	0	1406	437	0	2219	690
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	5400	1636
Capacity Analysis Module:												
Vol/Sat:	0.39	0.00	0.34	0.00	0.00	0.00	0.00	0.26	0.24	0.00	0.41	0.42
Crit Volume:	708				0			0			740	
Crit Moves:	****						****				****	

J. Intersection LOS Analysis Sheets – Cumulative (2030) AM

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	B	xxxxx	0.670	B	xxxxx	0.670	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	A	xxxxx	0.457	A	xxxxx	0.457	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	B	xxxxx	0.688	B	xxxxx	0.688	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.551	A	xxxxx	0.551	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	C	xxxxx	0.709	C	xxxxx	0.709	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	B	xxxxx	0.634	B	xxxxx	0.634	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.585	A	xxxxx	0.585	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	D	xxxxx	0.801	D	xxxxx	0.801	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.570	A	xxxxx	0.570	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.391	A	xxxxx	0.391	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	B	xxxxx	0.649	B	xxxxx	0.649	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.485	A	xxxxx	0.485	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.451	A	xxxxx	0.451	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.563	A	xxxxx	0.563	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	C	xxxxx	0.780	C	xxxxx	0.780	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	D	xxxxx	0.828	D	xxxxx	0.828	+ 0.000 V/C
#1017 Bollinger Canyon Rd. / Camino	C	xxxxx	0.717	C	xxxxx	0.717	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	C	xxxxx	0.778	C	xxxxx	0.778	+ 0.000 V/C

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.670
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	69	Level Of Service:	B

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	1 0	0 1	0	1 0	1	1 0	1 0	1	1 0
Volume Module:												
Base Vol:	100	233	80	125	570	77	55	303	243	86	238	114
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	100	233	80	125	570	77	55	303	243	86	238	114
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	100	233	80	125	570	77	55	303	243	86	238	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	233	80	125	570	77	55	303	243	86	238	114
RTOR Reduct:	0	0	80	0	0	0	0	0	0	0	0	0
RTOR Vol:	100	233	0	125	570	77	55	303	243	86	238	114
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	100	233	0	125	570	77	55	303	243	86	238	114
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.88	0.12	1.00	1.11	0.89	1.00	1.35	0.65
Final Sat.:	1650	1650	1650	1650	1454	196	1650	1831	1469	1650	2231	1069
Capacity Analysis Module:												
Vol/Sat:	0.06	0.14	0.00	0.08	0.39	0.39	0.03	0.17	0.17	0.05	0.11	0.11
Crit Volume:	100					647		273		86		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.457
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	Level Of Service:	A

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	1 0	0 1	0
Volume Module:												
Base Vol:	201	17	48	5	8	1	11	463	165	76	387	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	201	17	48	5	8	1	11	463	165	76	387	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	201	17	48	5	8	1	11	463	165	76	387	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	201	17	48	5	8	1	11	463	165	76	387	7
RTOR Reduct:	0	0	48	0	0	0	0	0	165	0	0	0
RTOR Vol:	201	17	0	5	8	1	11	463	0	76	387	7
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	201	17	0	5	8	1	11	463	0	76	387	7
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.36	0.57	0.07	1.00	1.00	1.00	1.00	0.98	0.02
Final Sat.:	1650	1650	1650	589	943	118	1650	1650	1650	1650	1621	29
Capacity Analysis Module:												
Vol/Sat:	0.12	0.01	0.00	0.01	0.01	0.01	0.01	0.28	0.00	0.05	0.24	0.24
Crit Volume:	201					14		463		76		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.688
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	73	Level Of Service:	B

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 2	0 1	2	0 2	0 1	2	0 3	0 1	2	0 3	0 1
Volume Module:												
Base Vol:	142	207	400	599	231	69	224	1171	162	566	1552	224
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	142	207	400	599	231	69	224	1171	162	566	1552	224
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	142	207	400	599	231	69	224	1171	162	566	1552	224
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	142	207	400	599	231	69	224	1171	162	566	1552	224
RTOR Reduct:	0	0	311	0	0	69	0	0	78	0	0	224
RTOR Vol:	142	207	89	599	231	0	224	1171	84	566	1552	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	142	207	89	599	231	0	224	1171	84	566	1552	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.06	0.05	0.20	0.07	0.00	0.07	0.24	0.05	0.19	0.31	0.00
Crit Volume:		104		300				390		283		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.551
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 0	0	0 0	3 0	0	0 2	0 0	3	0 1	0 0	3	0 1
Volume Module:												
Base Vol:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	1125	0	939	0	1425	745	0	1403	1007
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.87	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	3.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	4698	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.24	0.00	0.29	0.00	0.26	0.41	0.00	0.26	0.56
Crit Volume:	0					470		475		0		
Crit Moves:						****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.709	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	64	Level Of Service:	C	

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0	0 0 0	0	0	3 0 1	0	0	3 1 1
Volume Module:												
Base Vol:	596	0	1218	0	0	0	0	1819	731	0	1814	834
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	596	0	1218	0	0	0	0	1819	731	0	1814	834
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	596	0	1218	0	0	0	0	1819	731	0	1814	834
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	596	0	1218	0	0	0	0	1819	731	0	1814	834
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	596	0	1218	0	0	0	0	1819	731	0	1814	834
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	596	0	1218	0	0	0	0	1819	731	0	1814	834
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.43	1.57
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	6165	2577
Capacity Analysis Module:												
Vol/Sat:	0.18	0.00	0.37	0.00	0.00	0.00	0.00	0.34	0.41	0.00	0.29	0.32
Crit Volume:			609		0			606			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.634
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	62	Level Of Service:	B

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	181	56	50	249	171	520	452	2046	539	164	1947	146
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	181	56	50	249	171	520	452	2046	539	164	1947	146
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	181	56	50	249	171	520	452	2046	539	164	1947	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	181	56	50	249	171	520	452	2046	539	164	1947	146
RTOR Reduct:	0	0	0	0	0	249	0	0	100	0	0	0
RTOR Vol:	181	56	50	249	171	271	452	2046	439	164	1947	146
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	181	56	50	249	171	271	452	2046	439	164	1947	146
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.06	0.94	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.65	0.35
Final Sat.:	3000	1743	1557	1650	1650	1650	3000	6600	1650	1650	7675	575
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.03	0.15	0.10	0.16	0.15	0.31	0.27	0.10	0.25	0.25
Crit Volume:	91					271		512		164		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.585
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	55	Level Of Service:	A

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	2 0	4 0	1	2 0	3 1	0
Volume Module:												
Base Vol:	140	73	40	104	126	52	214	1441	690	339	2065	250
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	140	73	40	104	126	52	214	1441	690	339	2065	250
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	73	40	104	126	52	214	1441	690	339	2065	250
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	140	73	40	104	126	52	214	1441	690	339	2065	250
RTOR Reduct:	0	0	40	0	0	0	0	0	77	0	0	0
RTOR Vol:	140	73	0	104	126	52	214	1441	613	339	2065	250
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	140	73	0	104	126	52	214	1441	613	339	2065	250
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.42	0.58	2.00	4.00	1.00	2.00	3.57	0.43
Final Sat.:	3000	1650	1650	3000	2336	964	3000	6600	1650	3000	5887	713
Capacity Analysis Module:												
Vol/Sat:	0.05	0.04	0.00	0.03	0.05	0.05	0.07	0.22	0.37	0.11	0.35	0.35
Crit Volume:	70					89			613	170		
Crit Moves:	****					****			****	****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.801
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	1 0	3 0	1	2 0	2 1	0
Volume Module:												
Base Vol:	250	225	222	184	358	20	20	751	634	908	2184	225
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	250	225	222	184	358	20	20	751	634	908	2184	225
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	250	225	222	184	358	20	20	751	634	908	2184	225
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	250	225	222	184	358	20	20	751	634	908	2184	225
RTOR Reduct:	0	0	222	0	0	0	0	0	138	0	0	0
RTOR Vol:	250	225	0	184	358	20	20	751	497	908	2184	225
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	250	225	0	184	358	20	20	751	497	908	2184	225
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.89	0.11	1.00	3.00	1.00	2.00	2.72	0.28
Final Sat.:	3000	1650	1650	3000	3125	175	1650	4950	1650	3000	4488	462
Capacity Analysis Module:												
Vol/Sat:	0.08	0.14	0.00	0.06	0.11	0.11	0.01	0.15	0.30	0.30	0.49	0.49
Crit Volume:		225			92				497	454		
Crit Moves:		****			****				****	****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.570
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	53	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	2 0	1	1 0	1 0	1	1 0	1 0	1 0	1
Volume Module:												
Base Vol:	76	420	362	469	205	35	75	524	81	170	194	306
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	76	420	362	469	205	35	75	524	81	170	194	306
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	420	362	469	205	35	75	524	81	170	194	306
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	420	362	469	205	35	75	524	81	170	194	306
RTOR Reduct:	0	0	170	0	0	0	0	0	0	0	0	258
RTOR Vol:	76	420	192	469	205	35	75	524	81	170	194	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	76	420	192	469	205	35	75	524	81	170	194	48
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	2.00	1.71	0.29	1.00	1.73	0.27	1.00	1.00	1.00
Final Sat.:	1650	3300	1650	3000	2819	481	1650	2858	442	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.13	0.12	0.16	0.07	0.07	0.05	0.18	0.18	0.10	0.12	0.03
Crit Volume:		210		235					303	170		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.391
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	31	Level Of Service:	A

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 1	0 1	0	0	0	1! 0	0	1	0 2	0 1	1	0 2	0 1
Volume Module:												
Base Vol:	57	9	23	18	21	13	72	791	551	69	542	43
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	57	9	23	18	21	13	72	791	551	69	542	43
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	57	9	23	18	21	13	72	791	551	69	542	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	9	23	18	21	13	72	791	551	69	542	43
RTOR Reduct:	0	0	0	0	0	0	0	0	57	0	0	18
RTOR Vol:	57	9	23	18	21	13	72	791	494	69	542	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	57	9	23	18	21	13	72	791	494	69	542	25
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.48	0.52	0.35	0.40	0.25	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1720	831	889	595	695	430	1720	3440	1720	1720	3440	1720
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.03	0.03	0.03	0.03	0.04	0.23	0.29	0.04	0.16	0.01
Crit Volume:	57			52					494	69		
Crit Moves:	****			****					****	****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.649
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	65	Level Of Service:	B

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	1 0	1	1 0	1 0	1	1 0	1 0	1	1 0
Volume Module:												
Base Vol:	93	125	49	299	825	157	124	486	207	140	346	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	93	125	49	299	825	157	124	486	207	140	346	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	93	125	49	299	825	157	124	486	207	140	346	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	93	125	49	299	825	157	124	486	207	140	346	116
RTOR Reduct:	0	0	49	0	0	0	0	0	0	0	0	0
RTOR Vol:	93	125	0	299	825	157	124	486	207	140	346	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	93	125	0	299	825	157	124	486	207	140	346	116
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.68	0.32	1.00	1.40	0.60	1.00	1.50	0.50
Final Sat.:	1650	3300	1650	1650	2772	528	1650	2314	986	1650	2471	829
Capacity Analysis Module:												
Vol/Sat:	0.06	0.04	0.00	0.18	0.30	0.30	0.08	0.21	0.21	0.08	0.14	0.14
Crit Volume:	93					491		347		140		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.485
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	407	390	70	297	399	307	111	119	300	16	29	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	407	390	70	297	399	307	111	119	300	16	29	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	407	390	70	297	399	307	111	119	300	16	29	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	407	390	70	297	399	307	111	119	300	16	29	58
RTOR Reduct:	0	0	0	0	0	61	0	0	300	0	0	58
RTOR Vol:	407	390	70	297	399	246	111	119	0	16	29	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	407	390	70	297	399	246	111	119	0	16	29	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.70	0.30	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	2798	502	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.25	0.14	0.14	0.18	0.12	0.15	0.04	0.07	0.00	0.01	0.02	0.00
Crit Volume:	407					246		119			29	
Crit Moves:	****					****		****			****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.451
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	34	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	228	212	163	92	467	211	20	73	20	115	70	124
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	228	212	163	92	467	211	20	73	20	115	70	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	228	212	163	92	467	211	20	73	20	115	70	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	228	212	163	92	467	211	20	73	20	115	70	124
RTOR Reduct:	0	0	0	0	0	0	0	0	20	0	0	92
RTOR Vol:	228	212	163	92	467	211	20	73	0	115	70	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	228	212	163	92	467	211	20	73	0	115	70	32
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.13	0.87	1.00	1.38	0.62	0.22	0.78	1.00	0.62	0.38	1.00
Final Sat.:	1720	1945	1495	1720	2369	1071	370	1350	1720	1069	651	1720
Capacity Analysis Module:												
Vol/Sat:	0.13	0.11	0.11	0.05	0.20	0.20	0.05	0.05	0.00	0.11	0.11	0.02
Crit Volume:	228					339		93		115		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.563
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	A

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	1	0 1	1 0	1	0 0	1 0	1	0 0	1 0
Volume Module:												
Base Vol:	42	695	229	98	230	97	89	29	40	61	13	307
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	695	229	98	230	97	89	29	40	61	13	307
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	42	695	229	98	230	97	89	29	40	61	13	307
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	695	229	98	230	97	89	29	40	61	13	307
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	42	695	229	98	230	97	89	29	40	61	13	307
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	42	695	229	98	230	97	89	29	40	61	13	307
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.50	0.50	1.00	1.41	0.59	1.00	0.42	0.58	1.00	0.04	0.96
Final Sat.:	1720	2587	853	1720	2420	1020	1720	723	997	1720	70	1650
Capacity Analysis Module:												
Vol/Sat:	0.02	0.27	0.27	0.06	0.10	0.10	0.05	0.04	0.04	0.04	0.19	0.19
Crit Volume:			462	98			89				320	
Crit Moves:			****	****			****				****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.780
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	85	Level Of Service:	C

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1 0	0	2	0	0	3	1 0
Volume Module:												
Base Vol:	3	0	101	1240	21	435	0	1550	410	0	794	1080
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	101	1240	21	435	0	1550	410	0	794	1080
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	0	101	1240	21	435	0	1550	410	0	794	1080
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	101	1240	21	435	0	1550	410	0	794	1080
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	3	0	101	1240	21	435	0	1550	410	0	794	1080
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	0	101	1240	21	435	0	1550	410	0	794	1080
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.03	0.00	0.97	1.97	0.03	2.00	0.00	3.16	0.84	0.00	3.00	1.00
Final Sat.:	48	0	1602	2950	55	3000	0	5219	1381	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.06	0.42	0.38	0.15	0.00	0.30	0.30	0.00	0.16	0.65
Crit Volume:			104	630				490		0		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.828	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	100	Level Of Service:	D	

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 3	0	0 0	0 0	0	0 3	0 1	0	0 3	0 1
Volume Module:												
Base Vol:	332	0	2099	0	0	0	0	2060	831	0	1542	791
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	332	0	2099	0	0	0	0	2060	831	0	1542	791
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	332	0	2099	0	0	0	0	2060	831	0	1542	791
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	332	0	2099	0	0	0	0	2060	831	0	1542	791
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	332	0	2099	0	0	0	0	2060	831	0	1542	791
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	332	0	2099	0	0	0	0	2060	831	0	1542	791
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.18	0.00	0.45	0.00	0.00	0.00	0.00	0.38	0.46	0.00	0.29	0.44
Crit Volume:			700	0				687			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.717
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	81	Level Of Service:	C

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	1 0	0 1	1	2 0	4 0	1	2 0	4 0	1
Volume Module:												
Base Vol:	36	29	9	79	116	94	866	1040	481	99	2284	125
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	29	9	79	116	94	866	1040	481	99	2284	125
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	29	9	79	116	94	866	1040	481	99	2284	125
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	29	9	79	116	94	866	1040	481	99	2284	125
RTOR Reduct:	0	0	9	0	0	94	0	0	20	0	0	79
RTOR Vol:	36	29	0	79	116	0	866	1040	461	99	2284	46
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	36	29	0	79	116	0	866	1040	461	99	2284	46
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	0.91	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	3000	1650	1650	1650	1650	1500	3000	6600	1650	3000	6600	1650
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.00	0.05	0.07	0.00	0.29	0.16	0.28	0.03	0.35	0.03
Crit Volume:	18				116		433				571	
Crit Moves:	****				****		****				****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.778
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	C

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0 1	1 0		2 0 2	0 1		2 0 3	0 1		2 0 3	0 1	
Volume Module:												
Base Vol:	760	611	243	220	396	343	301	696	188	432	1504	508
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	760	611	243	220	396	343	301	696	188	432	1504	508
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	760	611	243	220	396	343	301	696	188	432	1504	508
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	760	611	243	220	396	343	301	696	188	432	1504	508
RTOR Reduct:	0	0	0	0	0	166	0	0	188	0	0	121
RTOR Vol:	760	611	243	220	396	177	301	696	0	432	1504	387
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	760	611	243	220	396	177	301	696	0	432	1504	387
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.43	0.57	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	2361	939	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.25	0.26	0.26	0.07	0.12	0.11	0.10	0.14	0.00	0.14	0.30	0.23
Crit Volume:	380				198		151				501	
Crit Moves:	****				****		****				****	

K. Intersection LOS Analysis Sheets – Cumulative (2030) PM

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	D	xxxxx	0.826	D	xxxxx	0.826	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	C	xxxxx	0.792	C	xxxxx	0.792	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	D	xxxxx	0.898	D	xxxxx	0.898	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	B	xxxxx	0.689	B	xxxxx	0.689	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	C	xxxxx	0.730	C	xxxxx	0.730	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	D	xxxxx	0.855	D	xxxxx	0.855	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	B	xxxxx	0.691	B	xxxxx	0.691	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	D	xxxxx	0.871	D	xxxxx	0.871	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.576	A	xxxxx	0.576	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	B	xxxxx	0.656	B	xxxxx	0.656	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	D	xxxxx	0.801	D	xxxxx	0.801	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.574	A	xxxxx	0.574	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.513	A	xxxxx	0.513	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	C	xxxxx	0.712	C	xxxxx	0.712	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	C	xxxxx	0.779	C	xxxxx	0.779	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	D	xxxxx	0.850	B	xxxxx	0.677	-0.173 V/C
#1017 Bollinger Canyon Rd. / Camino	C	xxxxx	0.747	C	xxxxx	0.747	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	D	xxxxx	0.898	D	xxxxx	0.898	+ 0.000 V/C

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.826
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	107	641	288	109	423	139	212	529	191	253	392	198
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	107	641	288	109	423	139	212	529	191	253	392	198
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	107	641	288	109	423	139	212	529	191	253	392	198
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	641	288	109	423	139	212	529	191	253	392	198
RTOR Reduct:	0	0	253	0	0	0	0	0	0	0	0	0
RTOR Vol:	107	641	35	109	423	139	212	529	191	253	392	198
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	107	641	35	109	423	139	212	529	191	253	392	198
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.75	0.25	1.00	1.47	0.53	1.00	1.33	0.67
Final Sat.:	1650	1650	1650	1650	1242	408	1650	2425	875	1650	2193	1107
Capacity Analysis Module:												
Vol/Sat:	0.06	0.39	0.02	0.07	0.34	0.34	0.13	0.22	0.22	0.15	0.18	0.18
Crit Volume:		641		109				360		253		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.792
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	C

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	0	0 1!	0 0	1	0 1	0 1	1	0 0	1 0
Volume Module:												
Base Vol:	261	307	34	107	133	33	21	606	235	120	265	3
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	261	307	34	107	133	33	21	606	235	120	265	3
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	261	307	34	107	133	33	21	606	235	120	265	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	261	307	34	107	133	33	21	606	235	120	265	3
RTOR Reduct:	0	0	34	0	0	0	0	0	235	0	0	0
RTOR Vol:	261	307	0	107	133	33	21	606	0	120	265	3
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	261	307	0	107	133	33	21	606	0	120	265	3
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.39	0.49	0.12	1.00	1.00	1.00	1.00	0.99	0.01
Final Sat.:	1650	1650	1650	647	804	199	1650	1650	1650	1650	1632	18
Capacity Analysis Module:												
Vol/Sat:	0.16	0.19	0.00	0.17	0.17	0.17	0.01	0.37	0.00	0.07	0.16	0.16
Crit Volume:		307			273			606		120		
Crit Moves:		****			****			****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.898
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	2 0	1	2 0	2 0	1	2 0	3 0	1	2 0	3 0	1
Volume Module:												
Base Vol:	255	571	704	519	494	127	373	1479	167	657	1542	605
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	255	571	704	519	494	127	373	1479	167	657	1542	605
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	255	571	704	519	494	127	373	1479	167	657	1542	605
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	255	571	704	519	494	127	373	1479	167	657	1542	605
RTOR Reduct:	0	0	361	0	0	127	0	0	140	0	0	285
RTOR Vol:	255	571	343	519	494	0	373	1479	27	657	1542	320
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	255	571	343	519	494	0	373	1479	27	657	1542	320
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.09	0.17	0.21	0.17	0.15	0.00	0.12	0.30	0.02	0.22	0.31	0.19
Crit Volume:			343	260				493		329		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.689
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	60	Level Of Service:	B

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	0	3	0	2	0	3	1	0	3	1
Volume Module:												
Base Vol:	0	0	0	903	0	1175	0	1781	744	0	1629	983
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	903	0	1175	0	1781	744	0	1629	983
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	903	0	1175	0	1781	744	0	1629	983
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	903	0	1175	0	1781	744	0	1629	983
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	903	0	1175	0	1781	744	0	1629	983
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	903	0	1175	0	1781	744	0	1629	983
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.87	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	3.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	4698	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.36	0.00	0.33	0.41	0.00	0.30	0.55
Crit Volume:	0					588		594		0		
Crit Moves:						****		****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.730	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	69	Level Of Service:	C	

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0	0 0 0	0	0	3 0 1	0	0	3 1 1
Volume Module:												
Base Vol:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	1001	0	1288	0	0	0	0	1814	870	0	1611	1431
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	2.00
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	5400	3272
Capacity Analysis Module:												
Vol/Sat:	0.31	0.00	0.39	0.00	0.00	0.00	0.00	0.34	0.48	0.00	0.30	0.44
Crit Volume:			644		0			605		0		
Crit Moves:			****					****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.855
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	572	168	181	270	185	540	748	1718	636	116	1930	143
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	572	168	181	270	185	540	748	1718	636	116	1930	143
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	572	168	181	270	185	540	748	1718	636	116	1930	143
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	572	168	181	270	185	540	748	1718	636	116	1930	143
RTOR Reduct:	0	0	0	0	0	411	0	0	315	0	0	0
RTOR Vol:	572	168	181	270	185	129	748	1718	321	116	1930	143
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	572	168	181	270	185	129	748	1718	321	116	1930	143
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.66	0.34
Final Sat.:	3000	1650	1650	1650	1650	1650	3000	6600	1650	1650	7681	569
Capacity Analysis Module:												
Vol/Sat:	0.19	0.10	0.11	0.16	0.11	0.08	0.25	0.26	0.19	0.07	0.25	0.25
Crit Volume:	286			270			374				415	
Crit Moves:	****			****			****				****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.691	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	74	Level Of Service:	B	

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 1	0 1	2	0 1	1 0	2	0 4	0 1	2	0 3	1 0
Volume Module:												
Base Vol:	449	306	275	428	315	175	136	1764	269	268	1565	402
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	449	306	275	428	315	175	136	1764	269	268	1565	402
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	449	306	275	428	315	175	136	1764	269	268	1565	402
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	449	306	275	428	315	175	136	1764	269	268	1565	402
RTOR Reduct:	0	0	147	0	0	0	0	0	247	0	0	0
RTOR Vol:	449	306	128	428	315	175	136	1764	22	268	1565	402
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	449	306	128	428	315	175	136	1764	22	268	1565	402
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.29	0.71	2.00	4.00	1.00	2.00	3.18	0.82
Final Sat.:	3000	1650	1650	3000	2121	1179	3000	6600	1650	3000	5251	1349
Capacity Analysis Module:												
Vol/Sat:	0.15	0.19	0.08	0.14	0.15	0.15	0.05	0.27	0.01	0.09	0.30	0.30
Crit Volume:		306			245			441			134	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.871
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 1	0 1	2	0 1	1 0	1	0 3	0 1	2	0 2	1 0
Volume Module:												
Base Vol:	479	179	575	395	395	40	30	1937	555	491	1447	179
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	479	179	575	395	395	40	30	1937	555	491	1447	179
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	479	179	575	395	395	40	30	1937	555	491	1447	179
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	479	179	575	395	395	40	30	1937	555	491	1447	179
RTOR Reduct:	0	0	270	0	0	0	0	0	263	0	0	0
RTOR Vol:	479	179	305	395	395	40	30	1937	292	491	1447	179
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	479	179	305	395	395	40	30	1937	292	491	1447	179
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.82	0.18	1.00	3.00	1.00	2.00	2.67	0.33
Final Sat.:	3000	1650	1650	3000	2997	303	1650	4950	1650	3000	4405	545
Capacity Analysis Module:												
Vol/Sat:	0.16	0.11	0.18	0.13	0.13	0.13	0.02	0.39	0.18	0.16	0.33	0.33
Crit Volume:			305	198				646		246		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.576
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	103	606	137	291	509	89	84	233	71	335	326	501
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	103	606	137	291	509	89	84	233	71	335	326	501
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	103	606	137	291	509	89	84	233	71	335	326	501
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	606	137	291	509	89	84	233	71	335	326	501
RTOR Reduct:	0	0	137	0	0	0	0	0	0	0	0	160
RTOR Vol:	103	606	0	291	509	89	84	233	71	335	326	341
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	103	606	0	291	509	89	84	233	71	335	326	341
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	2.00	1.70	0.30	1.00	1.53	0.47	1.00	1.00	1.00
Final Sat.:	1650	3300	1650	3000	2809	491	1650	2529	771	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.06	0.18	0.00	0.10	0.18	0.18	0.05	0.09	0.09	0.20	0.20	0.21
Crit Volume:		303		146					152	335		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.656
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	Level Of Service:	B

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0 1	0 1	0	0	0	1! 0	0	1	0 2	0 1	1	0 2 0 1
Volume Module:												
Base Vol:	452	5	93	52	15	134	11	666	168	44	928	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	452	5	93	52	15	134	11	666	168	44	928	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	452	5	93	52	15	134	11	666	168	44	928	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	452	5	93	52	15	134	11	666	168	44	928	24
RTOR Reduct:	0	0	0	0	0	0	0	0	168	0	0	24
RTOR Vol:	452	5	93	52	15	134	11	666	0	44	928	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	452	5	93	52	15	134	11	666	0	44	928	0
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.66	0.34	0.26	0.07	0.67	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1720	1138	582	445	128	1147	1720	3440	1720	1720	3440	1720
Capacity Analysis Module:												
Vol/Sat:	0.26	0.00	0.16	0.12	0.12	0.12	0.01	0.19	0.00	0.03	0.27	0.00
Crit Volume:	452					201	11				464	
Crit Moves:	****					****	****				****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.801	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	100	Level Of Service:	D	

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	1	0 1	1 0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	190	594	189	231	529	291	162	573	77	49	630	276
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	190	594	189	231	529	291	162	573	77	49	630	276
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	190	594	189	231	529	291	162	573	77	49	630	276
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	190	594	189	231	529	291	162	573	77	49	630	276
RTOR Reduct:	0	0	49	0	0	0	0	0	0	0	0	0
RTOR Vol:	190	594	140	231	529	291	162	573	77	49	630	276
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	190	594	140	231	529	291	162	573	77	49	630	276
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.29	0.71	1.00	1.76	0.24	1.00	1.39	0.61
Final Sat.:	1650	3300	1650	1650	2129	1171	1650	2909	391	1650	2295	1005
Capacity Analysis Module:												
Vol/Sat:	0.12	0.18	0.08	0.14	0.25	0.25	0.10	0.20	0.20	0.03	0.27	0.27
Crit Volume:		297				410	162					453
Crit Moves:		****				****	****					****

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.574
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	53	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	366	738	21	60	395	159	504	56	385	69	104	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	366	738	21	60	395	159	504	56	385	69	104	166
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	366	738	21	60	395	159	504	56	385	69	104	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	366	738	21	60	395	159	504	56	385	69	104	166
RTOR Reduct:	0	0	0	0	0	159	0	0	366	0	0	60
RTOR Vol:	366	738	21	60	395	0	504	56	19	69	104	106
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	366	738	21	60	395	0	504	56	19	69	104	106
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.94	0.06	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	3209	91	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.22	0.23	0.23	0.04	0.12	0.00	0.17	0.03	0.01	0.04	0.06	0.06
Crit Volume:	366				198		252					106
Crit Moves:	****				****		****					****

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.513
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	38	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	14	264	11	16	685	73	303	28	271	158	12	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	264	11	16	685	73	303	28	271	158	12	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	264	11	16	685	73	303	28	271	158	12	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	264	11	16	685	73	303	28	271	158	12	101
RTOR Reduct:	0	0	0	0	0	0	0	0	14	0	0	16
RTOR Vol:	14	264	11	16	685	73	303	28	257	158	12	85
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	14	264	11	16	685	73	303	28	257	158	12	85
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.92	0.08	1.00	1.81	0.19	0.92	0.08	1.00	0.93	0.07	1.00
Final Sat.:	1720	3302	138	1720	3109	331	1575	145	1720	1599	121	1720
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.01	0.22	0.22	0.19	0.19	0.15	0.10	0.10	0.05
Crit Volume:	14				379			331		158		
Crit Moves:	****				****			****		****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.712
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	65	Level Of Service:	C

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	1	0 1	1 0	1	0 0	1 0	1	0 0	1 0
Volume Module:												
Base Vol:	181	355	141	429	357	426	193	71	162	283	140	214
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	181	355	141	429	357	426	193	71	162	283	140	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	181	355	141	429	357	426	193	71	162	283	140	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	181	355	141	429	357	426	193	71	162	283	140	214
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	181	355	141	429	357	426	193	71	162	283	140	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	181	355	141	429	357	426	193	71	162	283	140	214
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.43	0.57	1.00	1.00	1.00	1.00	0.30	0.70	1.00	0.40	0.60
Final Sat.:	1720	2462	978	1720	1720	1720	1720	524	1196	1720	680	1040
Capacity Analysis Module:												
Vol/Sat:	0.11	0.14	0.14	0.25	0.21	0.25	0.11	0.14	0.14	0.16	0.21	0.21
Crit Volume:		248			429			193				354
Crit Moves:		****			****			****				****

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.779	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	100	Level Of Service:	C	

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1	0	0	2	0	0	3	1	0	0	0	3	0	1
Volume Module:																			
Base Vol:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	0	101	1175	32	450	0	1254	253	0	1545	1990
Saturation Flow Module:																			
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.00	0.95	1.95	0.05	2.00	0.00	3.33	0.67	0.00	3.00	1.00
Final Sat.:	78	0	1572	2920	87	3000	0	5492	1108	0	4950	1650
Capacity Analysis Module:																			
Vol/Sat:	0.06	0.00	0.06	0.40	0.37	0.15	0.00	0.23	0.23	0.00	0.31	1.21
Crit Volume:			106	604					377			515		
Crit Moves:			****	****								****		

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.850	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	100	Level Of Service:	D	

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 3	0	0 0	0 0	0	0 3	0 1	0	0 3	0 1
Volume Module:												
Base Vol:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	528	0	1357	0	0	0	0	2071	458	0	3007	1276
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.29	0.00	0.29	0.00	0.00	0.00	0.00	0.38	0.25	0.00	0.56	0.71
Crit Volume:	528				0			0			1002	
Crit Moves:	****						****				****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.747	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	90	Level Of Service:	C	

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 1	0 1	1	0 0	1 1	2	0 4	0 1	2	0 4	0 1
Volume Module:												
Base Vol:	522	107	107	380	43	410	517	2413	81	39	1843	94
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	522	107	107	380	43	410	517	2413	81	39	1843	94
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	522	107	107	380	43	410	517	2413	81	39	1843	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	522	107	107	380	43	410	517	2413	81	39	1843	94
RTOR Reduct:	0	0	21	0	0	284	0	0	81	0	0	94
RTOR Vol:	522	107	86	380	43	126	517	2413	0	39	1843	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	522	107	86	380	43	126	517	2413	0	39	1843	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	0.91	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	0.51	1.49	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	3000	1650	1650	1650	841	2235	3000	6600	1650	3000	6600	1650
Capacity Analysis Module:												
Vol/Sat:	0.17	0.06	0.05	0.23	0.05	0.06	0.17	0.37	0.00	0.01	0.28	0.00
Crit Volume:		107			380			259			461	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Cumulative (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.898
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	100	Level Of Service:	D

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	2 0	2	0 1	2 0	3	0 1	2 0	3	0 1
Volume Module:												
Base Vol:	362	505	188	356	601	289	418	2315	687	305	1135	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	362	505	188	356	601	289	418	2315	687	305	1135	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	362	505	188	356	601	289	418	2315	687	305	1135	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	362	505	188	356	601	289	418	2315	687	305	1135	227
RTOR Reduct:	0	0	0	0	0	230	0	0	199	0	0	196
RTOR Vol:	362	505	188	356	601	59	418	2315	488	305	1135	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	362	505	188	356	601	59	418	2315	488	305	1135	31
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.46	0.54	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	2405	895	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.12	0.21	0.21	0.12	0.18	0.04	0.14	0.47	0.30	0.10	0.23	0.02
Crit Volume:		347			178			772			153	
Crit Moves:		****			****			****			****	

L. Intersection LOS Analysis Sheets – Cumulative + Project AM

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	B	xxxxx	0.688	B	xxxxx	0.688	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	A	xxxxx	0.374	A	xxxxx	0.374	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	B	xxxxx	0.628	B	xxxxx	0.628	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	A	xxxxx	0.524	A	xxxxx	0.524	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	C	xxxxx	0.710	C	xxxxx	0.710	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	C	xxxxx	0.724	C	xxxxx	0.724	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	A	xxxxx	0.590	A	xxxxx	0.590	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	D	xxxxx	0.825	D	xxxxx	0.825	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.532	A	xxxxx	0.532	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	A	xxxxx	0.493	A	xxxxx	0.493	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.450	A	xxxxx	0.450	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.425	A	xxxxx	0.425	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.494	A	xxxxx	0.494	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	A	xxxxx	0.579	A	xxxxx	0.579	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	C	xxxxx	0.762	C	xxxxx	0.762	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	D	xxxxx	0.836	D	xxxxx	0.836	+ 0.000 V/C
#1017 Bollinger Canyon Rd. / Camino	C	xxxxx	0.721	C	xxxxx	0.721	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	C	xxxxx	0.784	C	xxxxx	0.784	+ 0.000 V/C

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.688
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	73	Level Of Service:	B

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	96	224	77	131	595	80	56	311	249	84	232	111
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	96	224	77	131	595	80	56	311	249	84	232	111
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	96	224	77	131	595	80	56	311	249	84	232	111
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	224	77	131	595	80	56	311	249	84	232	111
RTOR Reduct:	0	0	77	0	0	0	0	0	0	0	0	0
RTOR Vol:	96	224	0	131	595	80	56	311	249	84	232	111
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	96	224	0	131	595	80	56	311	249	84	232	111
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.88	0.12	1.00	1.11	0.89	1.00	1.35	0.65
Final Sat.:	1650	1650	1650	1650	1454	196	1650	1833	1467	1650	2232	1068
Capacity Analysis Module:												
Vol/Sat:	0.06	0.14	0.00	0.08	0.41	0.41	0.03	0.17	0.17	0.05	0.10	0.10
Crit Volume:	96				675			280		84		
Crit Moves:	****				****			****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.374	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	36	Level Of Service:	A	

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	0	0 1!	0 0	1	0 1	0 1	1	0 0	1 0
Volume Module:												
Base Vol:	203	17	48	5	8	1	7	310	111	76	386	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	203	17	48	5	8	1	7	310	111	76	386	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	203	17	48	5	8	1	7	310	111	76	386	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	17	48	5	8	1	7	310	111	76	386	7
RTOR Reduct:	0	0	48	0	0	0	0	0	111	0	0	0
RTOR Vol:	203	17	0	5	8	1	7	310	0	76	386	7
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	203	17	0	5	8	1	7	310	0	76	386	7
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.36	0.57	0.07	1.00	1.00	1.00	1.00	0.98	0.02
Final Sat.:	1650	1650	1650	589	943	118	1650	1650	1650	1650	1621	29
Capacity Analysis Module:												
Vol/Sat:	0.12	0.01	0.00	0.01	0.01	0.01	0.00	0.19	0.00	0.05	0.24	0.24
Crit Volume:	203					14	7					393
Crit Moves:	****					****	****					****

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.628
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	Level Of Service:	B

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 2	0 1	2	0 2	0 1	2	0 3	0 1	2	0 3	0 1
Volume Module:												
Base Vol:	116	169	326	486	187	56	230	1204	167	515	1413	204
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	116	169	326	486	187	56	230	1204	167	515	1413	204
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	116	169	326	486	187	56	230	1204	167	515	1413	204
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	116	169	326	486	187	56	230	1204	167	515	1413	204
RTOR Reduct:	0	0	283	0	0	56	0	0	64	0	0	204
RTOR Vol:	116	169	43	486	187	0	230	1204	103	515	1413	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	116	169	43	486	187	0	230	1204	103	515	1413	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.05	0.03	0.16	0.06	0.00	0.08	0.24	0.06	0.17	0.29	0.00
Crit Volume:		84		243				401		258		
Crit Moves:		****		****				****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.524	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	39	Level Of Service:	A	

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	0	3	0	2	0	3	1	0	3	1
Volume Module:												
Base Vol:	0	0	0	1143	0	954	0	1254	655	0	1220	876
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	1143	0	954	0	1254	655	0	1220	876
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	1143	0	954	0	1254	655	0	1220	876
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	1143	0	954	0	1254	655	0	1220	876
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	1143	0	954	0	1254	655	0	1220	876
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	1143	0	954	0	1254	655	0	1220	876
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.87	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	3.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	4698	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.24	0.00	0.29	0.00	0.23	0.36	0.00	0.23	0.49
Crit Volume:	0					477		418		0		
Crit Moves:						****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.710	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	64	Level Of Service:	C	

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0 0	0 0	0	0 3	0 1	0	0 3	1 1
Volume Module:												
Base Vol:	573	0	1170	0	0	0	0	1902	765	0	1661	763
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	573	0	1170	0	0	0	0	1902	765	0	1661	763
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	573	0	1170	0	0	0	0	1902	765	0	1661	763
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	573	0	1170	0	0	0	0	1902	765	0	1661	763
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	573	0	1170	0	0	0	0	1902	765	0	1661	763
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	573	0	1170	0	0	0	0	1902	765	0	1661	763
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.43	1.57
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	6167	2575
Capacity Analysis Module:												
Vol/Sat:	0.18	0.00	0.36	0.00	0.00	0.00	0.00	0.35	0.43	0.00	0.27	0.30
Crit Volume:			585		0			634		0		
Crit Moves:			****					****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.724
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	83	Level Of Service:	C

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0 1	1 0		1 0 1	0 1		2 0 4	0 1		1 0 4	1 0	
Volume Module:												
Base Vol:	282	87	78	290	199	605	477	2158	568	157	1868	140
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	282	87	78	290	199	605	477	2158	568	157	1868	140
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	282	87	78	290	199	605	477	2158	568	157	1868	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	282	87	78	290	199	605	477	2158	568	157	1868	140
RTOR Reduct:	0	0	0	0	0	262	0	0	155	0	0	0
RTOR Vol:	282	87	78	290	199	343	477	2158	413	157	1868	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	282	87	78	290	199	343	477	2158	413	157	1868	140
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.05	0.95	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.65	0.35
Final Sat.:	3000	1740	1560	1650	1650	1650	3000	6600	1650	1650	7675	575
Capacity Analysis Module:												
Vol/Sat:	0.09	0.05	0.05	0.18	0.12	0.21	0.16	0.33	0.25	0.10	0.24	0.24
Crit Volume:	141					343		539		157		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.590
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	56	Level Of Service:	A

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	2 0	4 0	1	2 0	3 1	0
Volume Module:												
Base Vol:	113	59	32	62	75	31	229	1541	738	331	2016	244
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	113	59	32	62	75	31	229	1541	738	331	2016	244
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	113	59	32	62	75	31	229	1541	738	331	2016	244
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	59	32	62	75	31	229	1541	738	331	2016	244
RTOR Reduct:	0	0	32	0	0	0	0	0	62	0	0	0
RTOR Vol:	113	59	0	62	75	31	229	1541	676	331	2016	244
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	113	59	0	62	75	31	229	1541	676	331	2016	244
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.42	0.58	2.00	4.00	1.00	2.00	3.57	0.43
Final Sat.:	3000	1650	1650	3000	2335	965	3000	6600	1650	3000	5887	713
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.00	0.02	0.03	0.03	0.08	0.23	0.41	0.11	0.34	0.34
Crit Volume:	57				53				676	166		
Crit Moves:	****				****				****	****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.825
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	130	Level Of Service:	D

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	1 0	3 0	1	2 0	2 1	0
Volume Module:												
Base Vol:	160	144	142	117	227	13	24	887	749	895	2152	222
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	160	144	142	117	227	13	24	887	749	895	2152	222
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	160	144	142	117	227	13	24	887	749	895	2152	222
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	160	144	142	117	227	13	24	887	749	895	2152	222
RTOR Reduct:	0	0	142	0	0	0	0	0	88	0	0	0
RTOR Vol:	160	144	0	117	227	13	24	887	661	895	2152	222
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	160	144	0	117	227	13	24	887	661	895	2152	222
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.89	0.11	1.00	3.00	1.00	2.00	2.72	0.28
Final Sat.:	3000	1650	1650	3000	3121	179	1650	4950	1650	3000	4487	463
Capacity Analysis Module:												
Vol/Sat:	0.05	0.09	0.00	0.04	0.07	0.07	0.01	0.18	0.40	0.30	0.48	0.48
Crit Volume:		144			59				661	447		
Crit Moves:		****			****				****	****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.532
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	83	460	397	315	138	23	74	535	80	167	191	301
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	83	460	397	315	138	23	74	535	80	167	191	301
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	83	460	397	315	138	23	74	535	80	167	191	301
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	460	397	315	138	23	74	535	80	167	191	301
RTOR Reduct:	0	0	167	0	0	0	0	0	0	0	0	173
RTOR Vol:	83	460	230	315	138	23	74	535	80	167	191	128
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	83	460	230	315	138	23	74	535	80	167	191	128
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	2.00	1.71	0.29	1.00	1.74	0.26	1.00	1.00	1.00
Final Sat.:	1650	3300	1650	3000	2829	471	1650	2871	429	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.11	0.05	0.05	0.04	0.19	0.19	0.10	0.12	0.08
Crit Volume:		230		158					308	167		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.493
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	Level Of Service:	A

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	1 0	1 0	1	0 1	1 0	2	0 1	1 0	2	0 1
Volume Module:												
Base Vol:	70	74	32	170	199	123	191	673	552	56	372	101
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	70	74	32	170	199	123	191	673	552	56	372	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	70	74	32	170	199	123	191	673	552	56	372	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	74	32	170	199	123	191	673	552	56	372	101
RTOR Reduct:	0	0	0	0	0	123	0	0	70	0	0	101
RTOR Vol:	70	74	32	170	199	0	191	673	482	56	372	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	70	74	32	170	199	0	191	673	482	56	372	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.70	0.30	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1650	1152	498	1650	1650	1650	1650	3300	1650	1650	3300	1650
Capacity Analysis Module:												
Vol/Sat:	0.04	0.06	0.06	0.10	0.12	0.00	0.12	0.20	0.29	0.03	0.11	0.00
Crit Volume:		106		170					482	56		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.450
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	41	Level Of Service:	A

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	1 0	1	1 0	1 0	1	1 0	1 0	1	1 0
Volume Module:												
Base Vol:	119	160	63	175	484	92	83	325	139	104	256	86
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	119	160	63	175	484	92	83	325	139	104	256	86
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	119	160	63	175	484	92	83	325	139	104	256	86
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	160	63	175	484	92	83	325	139	104	256	86
RTOR Reduct:	0	0	63	0	0	0	0	0	0	0	0	0
RTOR Vol:	119	160	0	175	484	92	83	325	139	104	256	86
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	119	160	0	175	484	92	83	325	139	104	256	86
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.68	0.32	1.00	1.40	0.60	1.00	1.50	0.50
Final Sat.:	1650	3300	1650	1650	2773	527	1650	2311	989	1650	2470	830
Capacity Analysis Module:												
Vol/Sat:	0.07	0.05	0.00	0.11	0.17	0.17	0.05	0.14	0.14	0.06	0.10	0.10
Crit Volume:	119					288		232		104		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.425
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	344	330	59	286	385	296	64	68	173	16	29	58
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	344	330	59	286	385	296	64	68	173	16	29	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	344	330	59	286	385	296	64	68	173	16	29	58
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	344	330	59	286	385	296	64	68	173	16	29	58
RTOR Reduct:	0	0	0	0	0	35	0	0	173	0	0	58
RTOR Vol:	344	330	59	286	385	261	64	68	0	16	29	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	344	330	59	286	385	261	64	68	0	16	29	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.70	0.30	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	2799	501	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.21	0.12	0.12	0.17	0.12	0.16	0.02	0.04	0.00	0.01	0.02	0.00
Crit Volume:	344					261		68			29	
Crit Moves:	****					****		****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.494
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	37	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	237	221	170	96	486	219	25	90	25	146	89	158
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	237	221	170	96	486	219	25	90	25	146	89	158
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	237	221	170	96	486	219	25	90	25	146	89	158
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	237	221	170	96	486	219	25	90	25	146	89	158
RTOR Reduct:	0	0	0	0	0	0	0	0	25	0	0	96
RTOR Vol:	237	221	170	96	486	219	25	90	0	146	89	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	237	221	170	96	486	219	25	90	0	146	89	62
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.13	0.87	1.00	1.38	0.62	0.22	0.78	1.00	0.62	0.38	1.00
Final Sat.:	1720	1944	1496	1720	2371	1069	374	1346	1720	1069	651	1720
Capacity Analysis Module:												
Vol/Sat:	0.14	0.11	0.11	0.06	0.20	0.20	0.07	0.07	0.00	0.14	0.14	0.04
Crit Volume:	237					353		115		146		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.579
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	44	Level Of Service:	A

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	1 0	0	1 0	1 0	0	1 0
Volume Module:												
Base Vol:	45	749	247	94	221	93	84	27	38	61	13	307
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	45	749	247	94	221	93	84	27	38	61	13	307
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	45	749	247	94	221	93	84	27	38	61	13	307
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	45	749	247	94	221	93	84	27	38	61	13	307
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	45	749	247	94	221	93	84	27	38	61	13	307
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	45	749	247	94	221	93	84	27	38	61	13	307
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.50	0.50	1.00	1.41	0.59	1.00	0.42	0.58	1.00	0.04	0.96
Final Sat.:	1720	2587	853	1720	2421	1019	1720	714	1006	1720	70	1650
Capacity Analysis Module:												
Vol/Sat:	0.03	0.29	0.29	0.05	0.09	0.09	0.05	0.04	0.04	0.04	0.19	0.19
Crit Volume:		498			94			84			320	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.762	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	78	Level Of Service:	C	

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1 0	0	2	0	0	3	1 0
Volume Module:												
Base Vol:	3	0	101	1219	21	428	0	1491	395	0	850	1156
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	3	0	101	1219	21	428	0	1491	395	0	850	1156
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	3	0	101	1219	21	428	0	1491	395	0	850	1156
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	0	101	1219	21	428	0	1491	395	0	850	1156
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	3	0	101	1219	21	428	0	1491	395	0	850	1156
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	3	0	101	1219	21	428	0	1491	395	0	850	1156
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.03	0.00	0.97	1.97	0.03	2.00	0.00	3.16	0.84	0.00	3.00	1.00
Final Sat.:	48	0	1602	2949	56	3000	0	5218	1382	0	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.06	0.00	0.06	0.41	0.38	0.14	0.00	0.29	0.29	0.00	0.17	0.70
Crit Volume:			104	620				471		0		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.836	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	113	Level Of Service:	D	

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 3	0	0	0 0 0	0	0	3 0 1	0	0	3 0 1
Volume Module:												
Base Vol:	332	0	2099	0	0	0	0	2101	848	0	1637	839
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	332	0	2099	0	0	0	0	2101	848	0	1637	839
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	332	0	2099	0	0	0	0	2101	848	0	1637	839
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	332	0	2099	0	0	0	0	2101	848	0	1637	839
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	332	0	2099	0	0	0	0	2101	848	0	1637	839
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	332	0	2099	0	0	0	0	2101	848	0	1637	839
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.18	0.00	0.45	0.00	0.00	0.00	0.00	0.39	0.47	0.00	0.30	0.47
Crit Volume:			700	0				700			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.721	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	82	Level Of Service:	C	

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	1 0	0 1	1	2 0	4 0	1	2 0	4 0	1
Volume Module:												
Base Vol:	34	27	8	76	111	90	855	1026	475	102	2358	129
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	27	8	76	111	90	855	1026	475	102	2358	129
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	27	8	76	111	90	855	1026	475	102	2358	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	27	8	76	111	90	855	1026	475	102	2358	129
RTOR Reduct:	0	0	8	0	0	90	0	0	19	0	0	76
RTOR Vol:	34	27	0	76	111	0	855	1026	456	102	2358	53
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	34	27	0	76	111	0	855	1026	456	102	2358	53
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	0.91	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	3000	1650	1650	1650	1650	1500	3000	6600	1650	3000	6600	1650
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.00	0.05	0.07	0.00	0.29	0.16	0.28	0.03	0.36	0.03
Crit Volume:	17				111		428				590	
Crit Moves:	****				****		****				****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - AM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.784
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	106	Level Of Service:	C

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0 1	1 0		2 0 2	0 1		2 0 3	0 1		2 0 3	0 1	
Volume Module:												
Base Vol:	786	632	251	220	396	342	276	638	172	441	1535	519
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	786	632	251	220	396	342	276	638	172	441	1535	519
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	786	632	251	220	396	342	276	638	172	441	1535	519
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	786	632	251	220	396	342	276	638	172	441	1535	519
RTOR Reduct:	0	0	0	0	0	152	0	0	172	0	0	121
RTOR Vol:	786	632	251	220	396	190	276	638	0	441	1535	398
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	786	632	251	220	396	190	276	638	0	441	1535	398
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.43	0.57	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	2362	938	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.26	0.27	0.27	0.07	0.12	0.12	0.09	0.13	0.00	0.15	0.31	0.24
Crit Volume:	393				198		138				512	
Crit Moves:	****				****		****				****	

M. Intersection LOS Analysis Sheets – Cumulative + Project PM

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
#1001 Fostoria Way/Crow Canyon Pl	C	xxxxx	0.712	C	xxxxx	0.712	+ 0.000 V/C
#1002 Fostoria Way / Camino Ramon /	C	xxxxx	0.742	C	xxxxx	0.742	+ 0.000 V/C
#1003 Crow Canyon Rd. / San Ramon Va	D	xxxxx	0.869	D	xxxxx	0.869	+ 0.000 V/C
#1004 Crow Canyon Rd. / I-680 SB Ram	B	xxxxx	0.629	B	xxxxx	0.629	+ 0.000 V/C
#1005 Crow Canyon Rd. / I-680 NB Ram	B	xxxxx	0.658	B	xxxxx	0.658	+ 0.000 V/C
#1006 Crow Canyon Rd. / Crow Canyon	D	xxxxx	0.840	D	xxxxx	0.840	+ 0.000 V/C
#1007 Crow Canyon Rd. / Camino Ramon	B	xxxxx	0.635	B	xxxxx	0.635	+ 0.000 V/C
#1008 Crow Canyon Rd. / Alcosta Blvd	D	xxxxx	0.832	D	xxxxx	0.832	+ 0.000 V/C
#1009 Norris Canyon Rd. / San Ramon	A	xxxxx	0.518	A	xxxxx	0.518	+ 0.000 V/C
#1010 Norris Canyon Rd. / Bishop Dr.	B	xxxxx	0.612	B	xxxxx	0.612	+ 0.000 V/C
#1011 Norris Canyon Rd. / Camino Ram	A	xxxxx	0.519	A	xxxxx	0.519	+ 0.000 V/C
#1012 Norris Canyon Rd. / Alcosta Bl	A	xxxxx	0.470	A	xxxxx	0.470	+ 0.000 V/C
#1013 Executive Pkwy. / Camino Ramon	A	xxxxx	0.526	A	xxxxx	0.526	+ 0.000 V/C
#1014 Bishop Dr. / Camino Ramon	B	xxxxx	0.678	B	xxxxx	0.678	+ 0.000 V/C
#1015 Bollinger Canyon Rd. / I-680 S	C	xxxxx	0.785	C	xxxxx	0.785	+ 0.000 V/C
#1016 Bollinger Canyon Rd. / I-680 N	C	xxxxx	0.775	B	xxxxx	0.674	-0.101 V/C
#1017 Bollinger Canyon Rd. / Camino	B	xxxxx	0.667	B	xxxxx	0.667	+ 0.000 V/C
#1018 Bollinger Canyon Rd. / Alcosta	D	xxxxx	0.861	D	xxxxx	0.861	+ 0.000 V/C

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1001 Fostoria Way/Crow Canyon Pl

Cycle (sec):	100	Critical Vol./Cap.(X):	0.712
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	79	Level Of Service:	C

Street Name:	Crow Canyon Pl						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	0 1	1	0 0 1	0	1	0 1	1 0	1	0 1	1 0
Volume Module:												
Base Vol:	98	590	265	97	378	124	151	376	136	231	358	181
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	590	265	97	378	124	151	376	136	231	358	181
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	98	590	265	97	378	124	151	376	136	231	358	181
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	590	265	97	378	124	151	376	136	231	358	181
RTOR Reduct:	0	0	231	0	0	0	0	0	0	0	0	0
RTOR Vol:	98	590	34	97	378	124	151	376	136	231	358	181
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	98	590	34	97	378	124	151	376	136	231	358	181
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	1.00	0.75	0.25	1.00	1.47	0.53	1.00	1.33	0.67
Final Sat.:	1650	1650	1650	1650	1242	408	1650	2423	877	1650	2192	1108
Capacity Analysis Module:												
Vol/Sat:	0.06	0.36	0.02	0.06	0.30	0.30	0.09	0.16	0.16	0.14	0.16	0.16
Crit Volume:		590			97			256			231	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1002 Fostoria Way / Camino Ramon / Costco DW

Cycle (sec):	100	Critical Vol./Cap.(X):	0.742
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	88	Level Of Service:	C

Street Name:	Camino Ramon / Costco DW						Fostoria Way					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1 0	1	0 0	1! 0	0	1 0	1 0	1	1 0	0 1	0
Volume Module:												
Base Vol:	235	276	31	107	133	33	19	535	207	140	309	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	235	276	31	107	133	33	19	535	207	140	309	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	235	276	31	107	133	33	19	535	207	140	309	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	235	276	31	107	133	33	19	535	207	140	309	4
RTOR Reduct:	0	0	31	0	0	0	0	0	207	0	0	0
RTOR Vol:	235	276	0	107	133	33	19	535	0	140	309	4
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	235	276	0	107	133	33	19	535	0	140	309	4
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.00	1.00	0.39	0.49	0.12	1.00	1.00	1.00	1.00	0.99	0.01
Final Sat.:	1650	1650	1650	647	804	199	1650	1650	1650	1650	1629	21
Capacity Analysis Module:												
Vol/Sat:	0.14	0.17	0.00	0.17	0.17	0.17	0.01	0.32	0.00	0.08	0.19	0.19
Crit Volume:		276			273			535		140		
Crit Moves:		****			****			****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1003 Crow Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.869
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	174	Level Of Service:	D

Street Name:	San Ramon Valley Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	2 0	1	2 0	2 0	1	2 0	3 0	1	2 0	3 0	1
Volume Module:												
Base Vol:	237	530	654	534	508	131	367	1457	165	621	1458	572
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	237	530	654	534	508	131	367	1457	165	621	1458	572
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	237	530	654	534	508	131	367	1457	165	621	1458	572
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	237	530	654	534	508	131	367	1457	165	621	1458	572
RTOR Reduct:	0	0	342	0	0	131	0	0	130	0	0	294
RTOR Vol:	237	530	312	534	508	0	367	1457	35	621	1458	278
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	237	530	312	534	508	0	367	1457	35	621	1458	278
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	2.00	1.00	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	3300	1650	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.08	0.16	0.19	0.18	0.15	0.00	0.12	0.29	0.02	0.21	0.29	0.17
Crit Volume:			312	267				486		311		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1004 Crow Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.629
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	50	Level Of Service:	B

Street Name:	I-680 SB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	0	3	0	2	0	3	1	0	3	1
Volume Module:												
Base Vol:	0	0	0	891	0	1159	0	1469	614	0	1485	896
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	891	0	1159	0	1469	614	0	1485	896
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	891	0	1159	0	1469	614	0	1485	896
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	891	0	1159	0	1469	614	0	1485	896
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	0	0	0	891	0	1159	0	1469	614	0	1485	896
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	891	0	1159	0	1469	614	0	1485	896
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	1.00	0.87	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	3.00	0.00	2.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	0	0	0	4698	0	3272	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.35	0.00	0.27	0.34	0.00	0.28	0.50
Crit Volume:	0					580	0				495	
Crit Moves:						****	****				****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1005 Crow Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.658	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	54	Level Of Service:	B	

Street Name:	I-680 NB Ramps						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	0	0 2	0	0	0 0 0	0	0	3 0 1	0	0	3 1 1
Volume Module:												
Base Vol:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	909	0	1170	0	0	0	0	1623	778	0	1446	1284
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91
Lanes:	2.00	0.00	2.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	2.00
Final Sat.:	3272	0	3272	0	0	0	0	5400	1800	0	5400	3272
Capacity Analysis Module:												
Vol/Sat:	0.28	0.00	0.36	0.00	0.00	0.00	0.00	0.30	0.43	0.00	0.27	0.39
Crit Volume:			585		0			541			0	
Crit Moves:			****					****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1006 Crow Canyon Rd. / Crow Canyon Pl.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.840
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	142	Level Of Service:	D

Street Name:	Crow Canyon Pl.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Ovl			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	1 0	1	0 1	2 0	4	0 1	1 0	4	1 0
Volume Module:												
Base Vol:	896	263	283	202	138	403	670	1539	570	108	1800	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	896	263	283	202	138	403	670	1539	570	108	1800	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	896	263	283	202	138	403	670	1539	570	108	1800	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	896	263	283	202	138	403	670	1539	570	108	1800	133
RTOR Reduct:	0	0	0	0	0	369	0	0	493	0	0	0
RTOR Vol:	896	263	283	202	138	35	670	1539	77	108	1800	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	896	263	283	202	138	35	670	1539	77	108	1800	133
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	1.00	1.00	2.00	4.00	1.00	1.00	4.66	0.34
Final Sat.:	3000	1650	1650	1650	1650	1650	3000	6600	1650	1650	7682	568
Capacity Analysis Module:												
Vol/Sat:	0.30	0.16	0.17	0.12	0.08	0.02	0.22	0.23	0.05	0.07	0.23	0.23
Crit Volume:	448				138		335					387
Crit Moves:	****				****		****					****

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1007 Crow Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.635
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	62	Level Of Service:	B

Street Name:	Camino Ramon						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2	0 1	0 1	2	0 1	1 0	2	0 4	0 1	2	0 3	1 0
Volume Module:												
Base Vol:	365	249	224	322	237	132	145	1884	287	260	1521	391
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	365	249	224	322	237	132	145	1884	287	260	1521	391
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	365	249	224	322	237	132	145	1884	287	260	1521	391
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	365	249	224	322	237	132	145	1884	287	260	1521	391
RTOR Reduct:	0	0	143	0	0	0	0	0	201	0	0	0
RTOR Vol:	365	249	81	322	237	132	145	1884	86	260	1521	391
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	365	249	81	322	237	132	145	1884	86	260	1521	391
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.28	0.72	2.00	4.00	1.00	2.00	3.18	0.82
Final Sat.:	3000	1650	1650	3000	2120	1180	3000	6600	1650	3000	5250	1350
Capacity Analysis Module:												
Vol/Sat:	0.12	0.15	0.05	0.11	0.11	0.11	0.05	0.29	0.05	0.09	0.29	0.29
Crit Volume:		249				185		471		130		
Crit Moves:		****				****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1008 Crow Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.832
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	135	Level Of Service:	D

Street Name:	Alcosta Blvd.						Crow Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	2 0	1 1	0	1 0	3 0	1	2 0	2 1	0
Volume Module:												
Base Vol:	404	151	485	347	347	35	32	2089	599	438	1290	160
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	404	151	485	347	347	35	32	2089	599	438	1290	160
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	404	151	485	347	347	35	32	2089	599	438	1290	160
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	404	151	485	347	347	35	32	2089	599	438	1290	160
RTOR Reduct:	0	0	241	0	0	0	0	0	222	0	0	0
RTOR Vol:	404	151	244	347	347	35	32	2089	377	438	1290	160
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	404	151	244	347	347	35	32	2089	377	438	1290	160
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	2.00	1.82	0.18	1.00	3.00	1.00	2.00	2.67	0.33
Final Sat.:	3000	1650	1650	3000	2998	302	1650	4950	1650	3000	4404	546
Capacity Analysis Module:												
Vol/Sat:	0.13	0.09	0.15	0.12	0.12	0.12	0.02	0.42	0.23	0.15	0.29	0.29
Crit Volume:			244	174				696		219		
Crit Moves:			****	****				****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1009 Norris Canyon Rd. / San Ramon Valley Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.518
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	Level Of Service:	A

Street Name:	San Ramon Valley Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 2	0 1	2	0 1	1 0	1	0 1	1 0	1	0 1	0 1
Volume Module:												
Base Vol:	95	559	126	209	365	64	74	204	62	328	319	490
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	95	559	126	209	365	64	74	204	62	328	319	490
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	559	126	209	365	64	74	204	62	328	319	490
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	559	126	209	365	64	74	204	62	328	319	490
RTOR Reduct:	0	0	126	0	0	0	0	0	0	0	0	115
RTOR Vol:	95	559	0	209	365	64	74	204	62	328	319	375
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	95	559	0	209	365	64	74	204	62	328	319	375
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	2.00	1.70	0.30	1.00	1.53	0.47	1.00	1.00	1.00
Final Sat.:	1650	3300	1650	3000	2808	492	1650	2531	769	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.06	0.17	0.00	0.07	0.13	0.13	0.04	0.08	0.08	0.20	0.19	0.23
Crit Volume:		280		105					133	328		
Crit Moves:		****		****					****	****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1010 Norris Canyon Rd. / Bishop Dr.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.612
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	59	Level Of Service:	B

Street Name:	Bishop Dr.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	1 0	1 0	1	0 1	1 0	2	0 1	1 0	2	0 1
Volume Module:												
Base Vol:	478	213	119	99	28	254	121	447	141	33	554	157
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	478	213	119	99	28	254	121	447	141	33	554	157
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	478	213	119	99	28	254	121	447	141	33	554	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	478	213	119	99	28	254	121	447	141	33	554	157
RTOR Reduct:	0	0	0	0	0	121	0	0	141	0	0	99
RTOR Vol:	478	213	119	99	28	133	121	447	0	33	554	58
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	478	213	119	99	28	133	121	447	0	33	554	58
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.64	0.36	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1650	1059	591	1650	1650	1650	1650	3300	1650	1650	3300	1650
Capacity Analysis Module:												
Vol/Sat:	0.29	0.20	0.20	0.06	0.02	0.08	0.07	0.14	0.00	0.02	0.17	0.04
Crit Volume:	478					133	121				277	
Crit Moves:	****					****	****				****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1011 Norris Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.519
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	Level Of Service:	A

Street Name:	Camino Ramon						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	2 0	1	1 0	1 1	0	1 0	1 1	0	1 0	1 1	0
Volume Module:												
Base Vol:	138	432	137	124	283	156	92	327	44	36	457	200
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	138	432	137	124	283	156	92	327	44	36	457	200
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	138	432	137	124	283	156	92	327	44	36	457	200
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	138	432	137	124	283	156	92	327	44	36	457	200
RTOR Reduct:	0	0	36	0	0	0	0	0	0	0	0	0
RTOR Vol:	138	432	101	124	283	156	92	327	44	36	457	200
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	138	432	101	124	283	156	92	327	44	36	457	200
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	2.00	1.00	1.00	1.29	0.71	1.00	1.76	0.24	1.00	1.39	0.61
Final Sat.:	1650	3300	1650	1650	2127	1173	1650	2909	391	1650	2295	1005
Capacity Analysis Module:												
Vol/Sat:	0.08	0.13	0.06	0.08	0.13	0.13	0.06	0.11	0.11	0.02	0.20	0.20
Crit Volume:		216			220			92				329
Crit Moves:		****			****			****				****

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1012 Norris Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.470
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	A

Street Name:	Alcosta Blvd.						Norris Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	2	0 1	2 0	1	0 1	1 0	1	0 1
Volume Module:												
Base Vol:	305	614	17	44	288	116	372	41	284	69	104	166
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	305	614	17	44	288	116	372	41	284	69	104	166
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	305	614	17	44	288	116	372	41	284	69	104	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	305	614	17	44	288	116	372	41	284	69	104	166
RTOR Reduct:	0	0	0	0	0	116	0	0	284	0	0	44
RTOR Vol:	305	614	17	44	288	0	372	41	0	69	104	122
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	305	614	17	44	288	0	372	41	0	69	104	122
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.95	0.05	1.00	2.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1650	3211	89	1650	3300	1650	3000	1650	1650	1650	1650	1650
Capacity Analysis Module:												
Vol/Sat:	0.18	0.19	0.19	0.03	0.09	0.00	0.12	0.02	0.00	0.04	0.06	0.07
Crit Volume:	305				144		186					122
Crit Moves:	****				****		****					****

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1013 Executive Pkwy. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.526
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Street Name:	Camino Ramon						Executive Pkwy.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	1	1 0	1 0	1	1 0	0 1	0	0 1	0 1	0	0 1
Volume Module:												
Base Vol:	11	211	9	14	617	66	322	30	288	201	15	128
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	11	211	9	14	617	66	322	30	288	201	15	128
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	211	9	14	617	66	322	30	288	201	15	128
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	211	9	14	617	66	322	30	288	201	15	128
RTOR Reduct:	0	0	0	0	0	0	0	0	11	0	0	14
RTOR Vol:	11	211	9	14	617	66	322	30	277	201	15	114
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	11	211	9	14	617	66	322	30	277	201	15	114
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.92	0.08	1.00	1.81	0.19	0.91	0.09	1.00	0.93	0.07	1.00
Final Sat.:	1720	3299	141	1720	3108	332	1573	147	1720	1601	119	1720
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.01	0.20	0.20	0.20	0.20	0.16	0.13	0.13	0.07
Crit Volume:	11					342		352		201		
Crit Moves:	****					****		****		****		

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1014 Bishop Dr. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.678
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	58	Level Of Service:	B

Street Name:	Camino Ramon						Bishop Dr.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1	0 1	1 0	1	0 1	1 0	1	0 0	1 0	1	0 0	1 0
Volume Module:												
Base Vol:	182	358	142	384	320	381	178	65	149	283	140	214
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	182	358	142	384	320	381	178	65	149	283	140	214
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	182	358	142	384	320	381	178	65	149	283	140	214
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	182	358	142	384	320	381	178	65	149	283	140	214
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	182	358	142	384	320	381	178	65	149	283	140	214
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	182	358	142	384	320	381	178	65	149	283	140	214
Saturation Flow Module:												
Sat/Lane:	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	1.43	0.57	1.00	1.00	1.00	1.00	0.30	0.70	1.00	0.40	0.60
Final Sat.:	1720	2463	977	1720	1720	1720	1720	522	1198	1720	680	1040
Capacity Analysis Module:												
Vol/Sat:	0.11	0.15	0.15	0.22	0.19	0.22	0.10	0.12	0.12	0.16	0.21	0.21
Crit Volume:		250			384			178				354
Crit Moves:		****			****			****				****

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1015 Bollinger Canyon Rd. / I-680 SB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.785	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	180	Level Of Service:	C	

Street Name:	I-680 SB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Permitted			Protected		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	0	0	1! 0	0	1	1	0	0	2	0	0	3	1	0	0	0	3	0	1
Volume Module:																			
Base Vol:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	5	0	101	1206	33	462	0	1427	288	0	1525	1965
Saturation Flow Module:																			
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	1.00	1.00	1.00	0.91	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.00	0.95	1.95	0.05	2.00	0.00	3.33	0.67	0.00	3.00	1.00
Final Sat.:	78	0	1572	2920	88	3000	0	5492	1108	0	4950	1650
Capacity Analysis Module:																			
Vol/Sat:	0.06	0.00	0.06	0.41	0.38	0.15	0.00	0.26	0.26	0.00	0.31	1.19
Crit Volume:			106	620					429			508							
Crit Moves:			****	****								****							

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1016 Bollinger Canyon Rd. / I-680 NB Ramps

Cycle (sec):	100	Critical Vol./Cap.(X):	0.775	
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx	
Optimal Cycle:	83	Level Of Service:	C	

Street Name:	I-680 NB Ramps						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Permitted			Permitted		
Rights:	Include			Include			Ignore			Ignore		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	1 0	0	0 3	0	0 0	0 0	0	0 3	0 1	0	0 3	0 1
Volume Module:												
Base Vol:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
RTOR Reduct:	0	0	0	0	0	0	0	0	0	0	0	0
RTOR Vol:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	476	0	1225	0	0	0	0	2211	489	0	2759	1171
Saturation Flow Module:												
Sat/Lane:	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Adjustment:	1.00	1.00	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	1.00	0.00	3.00	0.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	1.00
Final Sat.:	1800	0	4698	0	0	0	0	5400	1800	0	5400	1800
Capacity Analysis Module:												
Vol/Sat:	0.26	0.00	0.26	0.00	0.00	0.00	0.00	0.41	0.27	0.00	0.51	0.65
Crit Volume:	476				0			0			920	
Crit Moves:	****						****				****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1017 Bollinger Canyon Rd. / Camino Ramon

Cycle (sec):	100	Critical Vol./Cap.(X):	0.667
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	68	Level Of Service:	B

Street Name:	Camino Ramon						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1 0	1	1 0	0 1	1	2 0	4 0	1	2 0	4 0	1
Volume Module:												
Base Vol:	492	101	101	328	37	354	520	2427	81	33	1540	79
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	492	101	101	328	37	354	520	2427	81	33	1540	79
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	492	101	101	328	37	354	520	2427	81	33	1540	79
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	492	101	101	328	37	354	520	2427	81	33	1540	79
RTOR Reduct:	0	0	18	0	0	286	0	0	81	0	0	79
RTOR Vol:	492	101	83	328	37	68	520	2427	0	33	1540	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	492	101	83	328	37	68	520	2427	0	33	1540	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	1.00	1.00	0.91	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.00	1.00	1.00	0.70	1.30	2.00	4.00	1.00	2.00	4.00	1.00
Final Sat.:	3000	1650	1650	1650	1163	1943	3000	6600	1650	3000	6600	1650
Capacity Analysis Module:												
Vol/Sat:	0.16	0.06	0.05	0.20	0.03	0.04	0.17	0.37	0.00	0.01	0.23	0.00
Crit Volume:		101			328			260			385	
Crit Moves:		****			****			****			****	

North Camino Ramon Specific Plan
Cumulative+Project (2030) Conditions - PM Peak Hour LOS

Level Of Service Computation Report
CCTALOS Method (Base Volume Alternative)

Intersection #1018 Bollinger Canyon Rd. / Alcosta Blvd.

Cycle (sec):	100	Critical Vol./Cap.(X):	0.861
Loss Time (sec):	0	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	164	Level Of Service:	D

Street Name:	Alcosta Blvd.						Bollinger Canyon Rd.					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lanes:	2 0	1	1 0	2 0	2	0 1	2 0	3	0 1	2 0	3	0 1
Volume Module:												
Base Vol:	338	472	176	363	614	295	412	2280	677	250	929	186
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	338	472	176	363	614	295	412	2280	677	250	929	186
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	338	472	176	363	614	295	412	2280	677	250	929	186
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	338	472	176	363	614	295	412	2280	677	250	929	186
RTOR Reduct:	0	0	0	0	0	227	0	0	186	0	0	186
RTOR Vol:	338	472	176	363	614	68	412	2280	491	250	929	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	338	472	176	363	614	68	412	2280	491	250	929	0
Saturation Flow Module:												
Sat/Lane:	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Adjustment:	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00	0.91	1.00	1.00
Lanes:	2.00	1.46	0.54	2.00	2.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00
Final Sat.:	3000	2404	896	3000	3300	1650	3000	4950	1650	3000	4950	1650
Capacity Analysis Module:												
Vol/Sat:	0.11	0.20	0.20	0.12	0.19	0.04	0.14	0.46	0.30	0.08	0.19	0.00
Crit Volume:		324			182			760			125	
Crit Moves:		****			****			****			****	

O. Freeway Segment Volume Calculations

NORTH CAMINO RAMON SPECIFIC PLAN - Freeway Segment Volume Calculations (Existing & Existing Plus Project Conditions)

Freeway Segment Volumes

Freeway Section		NB South of Bollinger Interchange		SB South of Bollinger Interchange		NB North of Bollinger Interchange		SB North of Bollinger Interchange		NB North of Crow Canyon Interchange		SB North of Crow Canyon Interchange	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Existing Conditions	Total Lanes	4	4	4	4	5	5	5	5	4	4	4	4
	HOV Lanes	1	1	1	1	1	1	1	1	1	1	1	1
	Total Volume (veh/hr)	5,551	6,724	6,837	6,292	5,374	6,510	6,619	6,091	5,657	6,852	6,967	6,412
	HOV % of Volume[3]	17%	17%	14%	12%	17%	17%	14%	12%	17%	17%	14%	12%
	HOV Volume (veh/hr)	917	1,117	948	765	888	1,082	917	740	934	1,138	965	780
Existing Plus Project Conditions	Net New Trips	310	703	308	674	211	525	215	458	227	510	236	525
	Total Volume (veh/hr)	5,861	7,427	7,145	6,966	5,585	7,035	6,834	6,549	5,884	7,362	7,203	6,937
	HOV Volume (veh/hr)	917	1,117	948	765	888	1,082	917	740	934	1,138	965	780

Note:

1. Peak hour traffic volumes from Caltrans 2009 AADT Report
2. AM and PM Peak Hour Volumes derived using K and D Factors from 2008 Caltrans Peak Hour Volume Report
3. HOV % of total freeway traffic from Caltrains 2009 HOV data. Existing HOV % assumed to remain constant for Existing plus Project conditions.
4. For freeway segment between Bollinger Canyon Rd and Crow Canyon Road, auxillary lane is >2,500 feet. Beyond 2,500 feet, weaving does not apply; therefore, the auxiliary lane is considered to be a basic freeway segment.

Existing Freeway Volumes -- Peak Hour Directional Volume Calculations

A. Base Data from Caltrans

District	Route	Rte Suf	County	PM Pre	Postmile	Description			Back AADT			Ahead AADT
4	680		CC	R	2.885	BOLLINGER CANYON ROAD			157000			152000
4	680		CC	R	4.182	CROW CANYON ROAD INTERCHANGE			152000			160000

B. Peak Hour and Peak Directional Factors

	AM	PM
K factor =	7.89%	8.29%
D factor=	55.19% SB	51.66% NB
KD factor =	3.54% NB	4.28% NB
KD factor =	4.35% SB	4.01% SB

C. Equivalent Peak Hour Directional Volumes

	AM		PM	
Location	NB	SB	NB	SB
South of Bollinger Interchange	5,551	6,837	6,724	6,292
North of Bollinger Interchange	5,374	6,619	6,510	6,091
North of Crow Canyon Interchange	5,657	6,967	6,852	6,412

D. Percent of Freeway Volume in HOV Lanes

HOV % of Peak Period Traffic Volume - I-680 Livorna Rd to Alcosta Blvd				
Direction	AM			PM
NB	17%		NB	17%
SB	14%		SB	12%
Avg	15%		Total	14%

E. Equivalent Peak Hour Directional Volumes (Excluding HOV)

	AM		PM	
Location	NB	SB	NB	SB
South of Bollinger Interchange	4,634	5,889	5,607	5,527
North of Bollinger Interchange	4,486	5,702	5,428	5,351
North of Crow Canyon Interchange	4,723	6,002	5,714	5,632

Notes:
(1) Source of volume data: Caltrans 2009 AADT Report; K&D Factors from Caltrans Peak Hour Volume Report
(2) AADT = Average Annual Daily Traffic; K factor = peak hour % of AADT; D factor = % of peak hourly volume in peak direction
(3) Peak Hour Directional Volume = AADT x D factor x K factor
(4) All freeway volumes include mixed-flow and HOV lanes.
(5) Source of HOV Data: Caltrans District 4, Year 2009 Annual HOV Lane Report
(6) Non-HOV volumes calculated by recuding the total peak hour directional volume by the HOV % identified in Table D

NORTH CAMINO RAMON SPECIFIC PLAN - Freeway Segment Volume Calculation (Cumulative & Cumulative Plus Project Conditions)

Freeway Segment Volumes

Freeway Section		NB South of Bollinger Interchange		SB South of Bollinger Interchange		NB North of Bollinger Interchange		SB North of Bollinger Interchange		NB North of Crow Canyon Interchange		SB North of Crow Canyon Interchange	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Cumulative (2030)	Total Lanes	4	4	4	4	5	5	5	5	4	4	4	4
	HOV Lanes	1	1	1	1	1	1	1	1	1	1	1	1
	Total 2009 Volume (veh/hr)	5,551	6,724	6,837	6,292	5,374	6,510	6,619	6,091	5,657	6,852	6,967	6,412
	CCTA Model 2000	6,055	6,389	6,322	7,296	5,693	6,075	6,202	6,720	6,121	6,729	7,195	7,265
	CCTA Model 2030	7,528	8,239	9,016	8,967	7,850	8,697	9,912	9,489	8,952	9,866	11,077	10,377
	HOV 2030	1,657	1,897	2,099	2,190	1,524	1,748	1,955	1,940	1,664	1,884	2,112	1,992
	HOV% of Volume[4]	20%	21%	21%	21%	20%	21%	21%	21%	20%	21%	21%	21%
	Weighted Growth (2009-2030)	17.0%	20%	30%	16%	27%	30%	42%	29%	32%	33%	38%	30%
	Calculated 2030 Total Volume	6,496	8,101	8,876	7,300	6,799	8,476	9,390	7,848	7,488	9,088	9,599	8,334
	Calculated 2030 HOV Volume	1,299	1,680	1,836	1,559	1,360	1,758	1,943	1,676	1,498	1,885	1,986	1,780
Cumulative (2030) Plus Project Conditions	Calculated 2030 Volume (HOV Excluded)	5,197	6,421	7,040	5,741	5,439	6,718	7,447	6,172	5,990	7,203	7,613	6,554
	CCTA Model 2030 (No Project)	7,528	8,239	9,016	8,967	7,850	8,697	9,912	9,489	8,952	9,866	11,077	10,377
	CCTA Model 2030 (With Project)	7,640	8,133	8,883	8,667	7,912	8,628	9,924	9,325	8,962	9,990	11,462	10,501
	Net New Trips	112	-106	-133	-300	62	-69	12	-164	10	124	385	124
	Calculated 2030+Proj Total Volume	6,608	7,995	8,743	7,000	6,861	8,407	9,402	7,684	7,498	9,212	9,984	8,458
	Calculated 2030+Proj HOV Volume	1,299	1,680	1,836	1,559	1,360	1,758	1,943	1,676	1,498	1,885	1,986	1,780

Note:

1.. 2030 peak hour traffic volumes derived by applying growth from CCTA Travel Demand Forecasting Model to existing freeway volumes.
2. Mainline volumes were adjusted to exclude HOV based on HOV % of total freeway traffic from CCTA 2030 Model. Average HOV % for all segments applied to NB/SB AM and PM peak hours.
3. For freeway segment between Bollinger Canyon Rd and Crow Canyon Road, auxillary lane is >2,500 feet. Beyond 2,500 feet, weaving does not apply; therefore, the auxiliary lane is considered to be a basic freeway segment.

P. Bollinger Canyon Road Ultimate Build Out Final Alignment Plans

BOLLINGER CANYON ROAD-ULTIMATE BUILD OUT
FINAL ALIGNMENT STUDY

MARCH 6, 2009

NOTES:

1. THIS ALIGNMENT STUDY IS BASED ON THE NUMBER OF LANES AND TURN LANE STACKING DISTANCES SHOWN ON THE RBF EXHIBIT DATED 12/04/07, THE CITY CENTER EIR, AND THE MARCH 5, 2009 MEETING BETWEEN THE CITY, RBF, AECOM, AND RJA. THE WESTBOUND STACKING DISTANCE FOR THE TURN LANES ONTO CHEVRON DRIVE WAS PROVIDED BY THE CITY OF SAN RAMON BASED ON OBSERVED STACKING REQUIRED.
2. ALL LANE STRIPES ARE 1000' RADII MINIMUM EXCEPT FOR NORTHBOUND 680 ON RAMP. 1000' RADIUS IS THE ALLOWABLE MINIMUM FOR 55 MPH PER THE CALTRANS HIGHWAY DESIGN MANUAL.
3. THE TOPOGRAPHY SHOWN ON THE RBF EXHIBIT DIFFERS FROM THAT SHOWN ON THE ORIGINAL TY LIN EXHIBIT. THE TY LIN TOPO IS SHOWN HEREON.
4. THIS STUDY INCLUDES THE FOLLOWING PER DIRECTION FROM THE CITY OF SAN RAMON:
   A) 12' ON RAMP LANE-WESTBOUND SUNSET TO 680.
   B) 9' MINIMUM WIDTH MEDIAN-MIDBLOCK BETWEEN CAMINO RAMON AND SUNSET, WEST TO 680.
   C) 6' MINIMUM WIDTH MEDIAN-MIDBLOCK BETWEEN CAMINO RAMON SUNSET, EAST TO BISHOP RANCH 1 EAST.
5. THE PRELIMARY GEOMETRICS SHOWN HEREON WITHIN AND WEST OF THE CALTRANS RIGHT-OF WAY ARE AS PROVIDED BY KIMLEY-HORN ON 2/16/09 AND ARE SUBJECT TO CHANGE WITH THE DESIGN OF PHASE 5. GEOMETRICS WITHIN THE CALTRANS RIGHT OF WAY ARE SUBJECT TO APPROVAL BY CALTRANS.
6. THIS FINAL ALIGNMENT STUDY IS BASED ON THE ULTIMATE BUILD OUT OF BOLLINGER CANYON ROAD INCLUDING PHASE 5 AND THE CITY CENTER. SEE "BOLLINGER CANYON ROAD-PHASE 4 IMPROVEMENTS, FINAL ALIGNMENT STUDY" FOR INTERIM IMPROVEMENTS.
7. THE PROPOSED RIGHT-OF WAY SHOWN IS PRELIMINARY AND SUBJECT TO CHANGE.

REVIEWED AND ACCEPTED:

NAME	TITLE	DATE
CITY OF SAN RAMON	City Mgr	30 March 09
SUNSET DEVELOPMENT	President	3-30-09
SHAPELL HOMES	President	3-30-09
WINDEMERE BLC	Manager	04-6-2009

Q. CCCTA County Connection Bus System Map

The County Connection
SYSTEM MAP
WEEKDAY ROUTES

LEGEND

- County Connection Weekday Routes: 5, 14, 28, 4, 11, 25, 627, 2, 10, 9, 20, 1, 3, 19, 18, 7, 17, 16, 36, 6, 12, 15, 21
- County Connection Express Routes: 98X, 97X, 93X, 96X, 95X, 98X, 92X, 91X
- Limited Service: 18, 35, 627, 649, 10
- BART (Bay Area Rapid Transit) Line & Station
- ACE (Altamont Commuter Express) Line & Station
- Amtrak/Capital Corridor Line & Station

Map Design & Production:
Lohnes+Wright GIS & Mapping
www.lohneswright.com

0 1 2 miles
0 1 2 3 kilometers

see Concord inset below

see Walnut Creek inset below

see San Ramon inset below

93X continues on Buchanan Rd to County East Mall and then along Hwy 4 to Hillcrest Park N Ride

CONCORD

Concord BART
10 11 14 15
16 17 19 20
91X 649

WALNUT CREEK

Walnut Creek BART
1 2 4 5 7
9 15 21 25
93X 95X
96X 98X

SAN RAMON

San Ramon Transit Center
21 35 36
92X 95X
96X 97X

CONTRA COSTA COUNTY
ALAMEDA COUNTY