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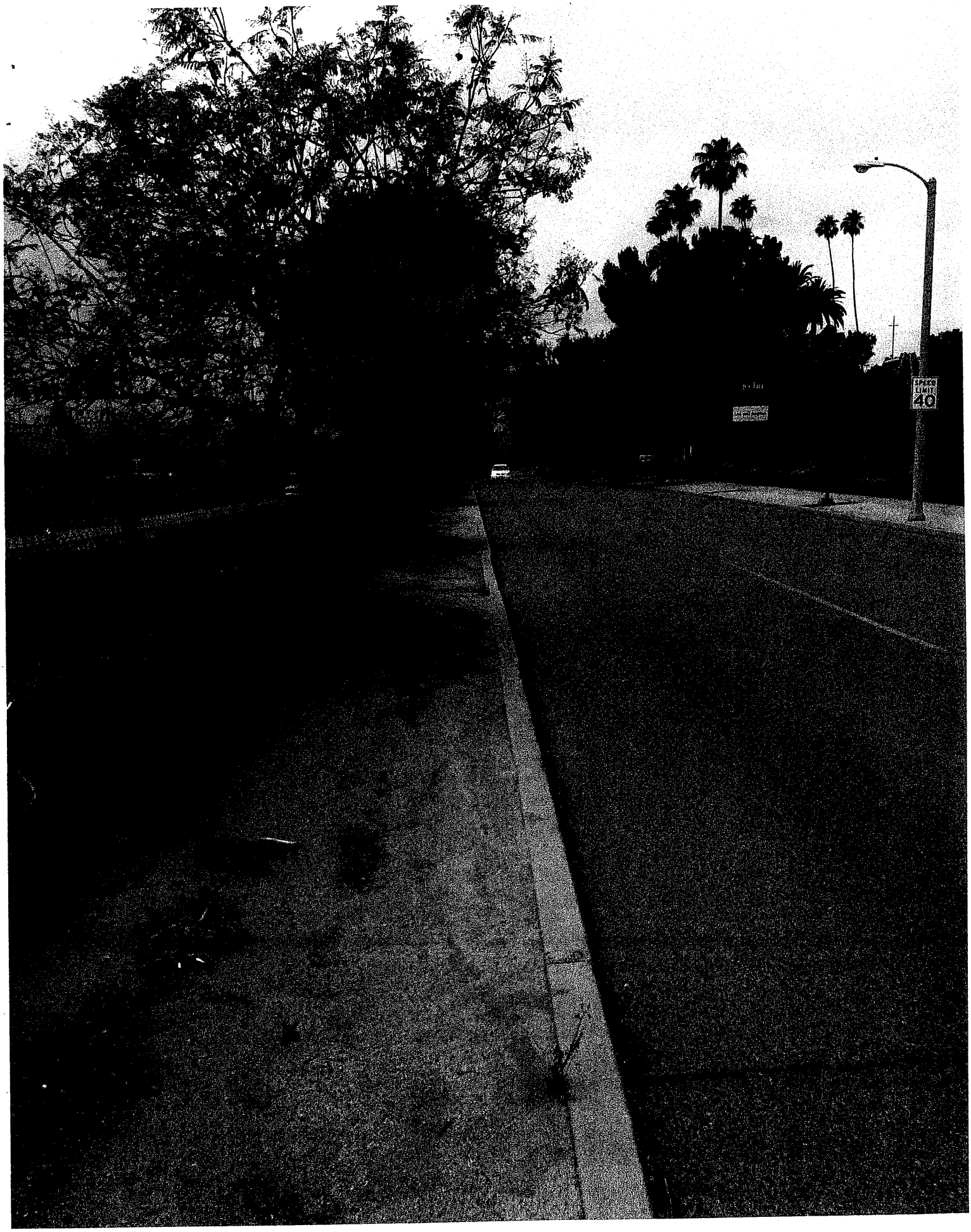

Photo #18

California Baptist University

Traffic Impact Analysis

City of Riverside

November 22, 2011

Prepared for:

California Baptist University
8432 Magnolia Avenue
Riverside, CA 92504

Prepared by:

RICK
ENGINEERING COMPANY
Transportation Division

Job Number 15620-U

DIANA AVENUE
EXCERPTS ONLY

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City of Riverside
November 22, 2011

INTRODUCTION

The following Traffic Impact Analysis (TIA) has been prepared to determine any traffic-related impacts within the project area roadways and intersections due to the proposed expansion of California Baptist University. The university is located at 8432 Magnolia Avenue on a 132-acre campus, located between Magnolia Avenue to the north, Adams Street to the east, Monroe Street to the west, and Diana Avenue to the south. Just south of the campus, the 91 freeway runs directly parallel to Diana Avenue. **Exhibit 1** shows the project area map.

This TIA was prepared following the City of Riverside Public Works Department *Traffic Impact Analysis Preparation Guide* publication, dated May 2009. Refer to **Appendix A** for the approved scooping agreement.

PROJECT DESCRIPTION

The project consists of the California Baptist University Specific Plan, which calls for a target year estimated enrollment of 8,080 students by 2020. By year 2020, California Baptist University is planned to consist of a total of 13 academic buildings, 2 parking structures along with additional surface lots, an event center, and an athletic area and recreation center.

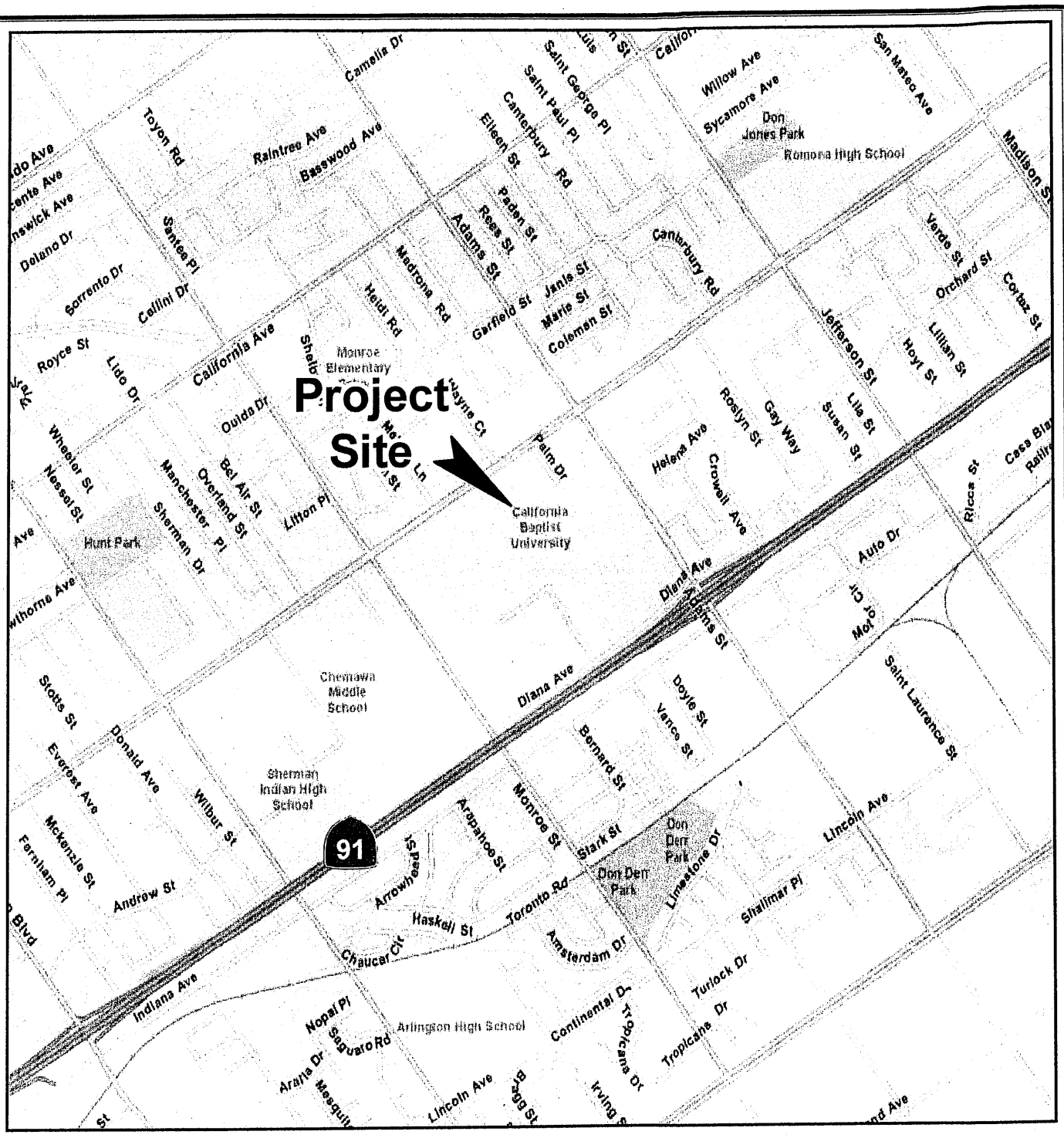
The internal circulation system will consist of signalized access points at Campus Bridge Drive/Magnolia Avenue and at Lancer Lane/Adams Street. Emergency access will be provided at 5 locations along Adams Street, 3 along Monroe Street, and 4 along Magnolia Avenue. The entire campus will be served by a multitude of pedestrian pathways.

It is assumed that the opening year for this project is late 2011, with a project buildout year of 2020. By year 2025, the campus is planned to have an additional 4,000-seat event center, located in the southeast quadrant of the site, with a total of 9,300 students. The event center will be primarily used for California Baptist University sports and ceremony events. All of the proposed uses for the expansion of California Baptist University will be consistent with the uses proposed within the California Baptist University Specific Plan. **Exhibit 2** shows the conceptual project site plan.

EXISTING TRANSPORTATION CONDITIONS

The following is a brief description of the City of Riverside roadways within the project area.

Adams Street is classified as an Arterial Street. Within the project area, it currently provides two vehicular travel lanes in each direction with raised and painted medians. The posted speed limit is 40 mph. On street parking is permitted alongside the northbound travel lanes only. Traffic signals are provided at its intersection with Garfield Street, Magnolia Avenue, Briarwood Drive,



1 inch = 1,500 feet

EXHIBIT 1: PROJECT AREA MAP

CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

RICK ENGINEERING COMPANY

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EXHIBIT 2
SITE PLAN
CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

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Indiana Avenue, Lincoln Avenue and at both eastbound and westbound 91 Freeway ramps. Diana Avenue is stop controlled at its intersection with Adams Street.

Diana Avenue is classified as a Local Street. It is a two-way street with one lane in each direction. The posted speed limit is 40 mph and on-street parking is generally not allowed, except in areas directly adjacent to residential housing. Within the immediate project area, no traffic signals are in operation on Diana Avenue in the vicinity of the proposed project.

Campus Bridge Drive is a local street that serves the campus exclusively. It runs through the campus with a signalized intersection at Magnolia Avenue. At its intersection with Diana Avenue, Campus Bridge Drive is stop controlled. The speed limit is 15 mph and there are speed bumps along the roadway.

Garfield Street is classified as Local Street providing one travel lane in each direction. The street generally runs through residential areas. The posted speed limit is 25 mph and parking is allowed along both sides. Within the project study area, the intersection of Garfield Street and Adams Street is signalized.

Indiana Avenue is classified as an Arterial Street. It currently provides 4 lanes of travel within the project area and runs parallel to the 91 Freeway. The posted speed limit is 40 mph. Parking is allowed along both sides of the street. The signalized intersection with Adams Street is included within the project study area.

The Riverside Transit Agency's Bus Route Number 14 serves Indiana Avenue, with stops within the project area. These stops are located near the intersections of Indiana Avenue, and Jefferson Street, Susan Street, Motor Circle South, Adams Street, Doyle Street, Bernard Street, Monroe Street, Amber Street, Arrowhead Street, and Jackson Street.

Jackson Street is classified as an 88 foot Arterial Street. Within the project area, it currently provides two vehicular lanes of travel in each direction to the south of Magnolia and 4 vehicular lanes of traffic with a two way left turn lane to the north. The speed limit along Jackson is 40 mph with a 25 mph school zone located near the signalized intersection with Magnolia Avenue.

Jefferson Street is currently classified as a Collector Street with two vehicular lanes of travel. Jefferson generally serves residential areas with a posted speed limit is 35 mph. The signalized intersection of Jefferson and Magnolia was analyzed as part of the project study area.

Lincoln Avenue is classified as an Arterial Street. It provides 4 lanes of travel, 2 in each direction with a two way left turn lane to the east of Adams Street. The posted speed limit is 45 mph. Its intersection with Adams Street is signalized and included as part of the analysis.

The Riverside Transit Agency's Bus Route Number 10 serves Lincoln Avenue, with stops within the project area. These stops are located near the intersections of Lincoln Avenue and Jefferson Street, Lawrence Street, Adams Street, Gratton Street, Monroe Street, Irving Street, and Jackson Street.

Magnolia Avenue is classified as an Arterial Street. It is considered as a Special Boulevard with Parkways under the Magnolia Avenue Specific Plan. Within the project area, it currently provides two vehicular travel lanes in each direction. The posted speed limit is 40 mph and on-street parking is prohibited. Bike lanes are found in both directions of travel. Traffic signals are

provided at its intersection with Jackson Street, Overland Street, Monroe Street, Campus Bridge Drive, Adams Street, and Jefferson Street.

Magnolia Avenue is served by the Riverside Transit Agency's Bus Route Number 1, with stops within the project area. These stops are located near the intersections of Magnolia Avenue and Jefferson Street, Canterbury Road, Crowell Avenue, Adams Street, Palm Drive, Melody Lane, Monroe Street, Overland Street, Sherman Drive, and Jackson Street. Magnolia Avenue is also served by a separate bike lane.

Monroe Street is classified as a Collector Street. It currently provides for one travel lane in each direction with a two way left turn lane. The speed limit is 40 mph with a 25 mph school zone within the project study area. On-street parking is not permitted along either side of Monroe. A traffic signal in provided at its intersection with Magnolia Avenue. Diana Avenue is stop controlled at its intersection with Monroe Street.

Overland Street is classified as a Local Street. Within the project area, it currently provides one vehicular travel lane in each direction. The posted speed limit is 25 mph. On street parking is permitted along both sides of the street. A traffic signal is provided at its intersection with Magnolia Avenue. This intersection also serves the entrance driveway to the Riverside Unified School District.

Exhibit 3 shows the existing transportation conditions within the project area.

EXISTING TRAFFIC VOLUMES

Existing traffic volumes at the project area intersections were obtained from traffic counts conducted by Field Data Services of Arizona on Tuesday, November 16, 2010, Wednesday, November 17, 2010, Thursday, November 18, 2010, Tuesday, January 25,2011, Wednesday, January 26, 2011, and Thursday January 27, 2011. The turning movement counts were conducted during the AM (7-9) and PM peak (4-6) periods. **Exhibit 4** shows the existing traffic volumes within the study area. **Appendix B** contains the manual turning movement count sheets at the study intersections as well as the daily roadway segment counts.

TRAFFIC ANALYSIS METHODOLOGY

The intersections and roadways within the project area were analyzed for the following scenarios:

- Existing Conditions (Year 2010)
- Existing + Ambient Conditions (Year 2020)
- Existing + Ambient + Project Conditions (Year 2020)
- Existing + Ambient + Cumulative + Project Conditions (Year 2020)
- General Plan Buildout Conditions (Year 2025)

The level of service for signalized intersections was calculated using the Operational Method as described in Chapter 16 of the 2000 Highway Capacity Manual (HCM). The level of service for signalized intersections is defined in terms of control delay, which is made up of a number of

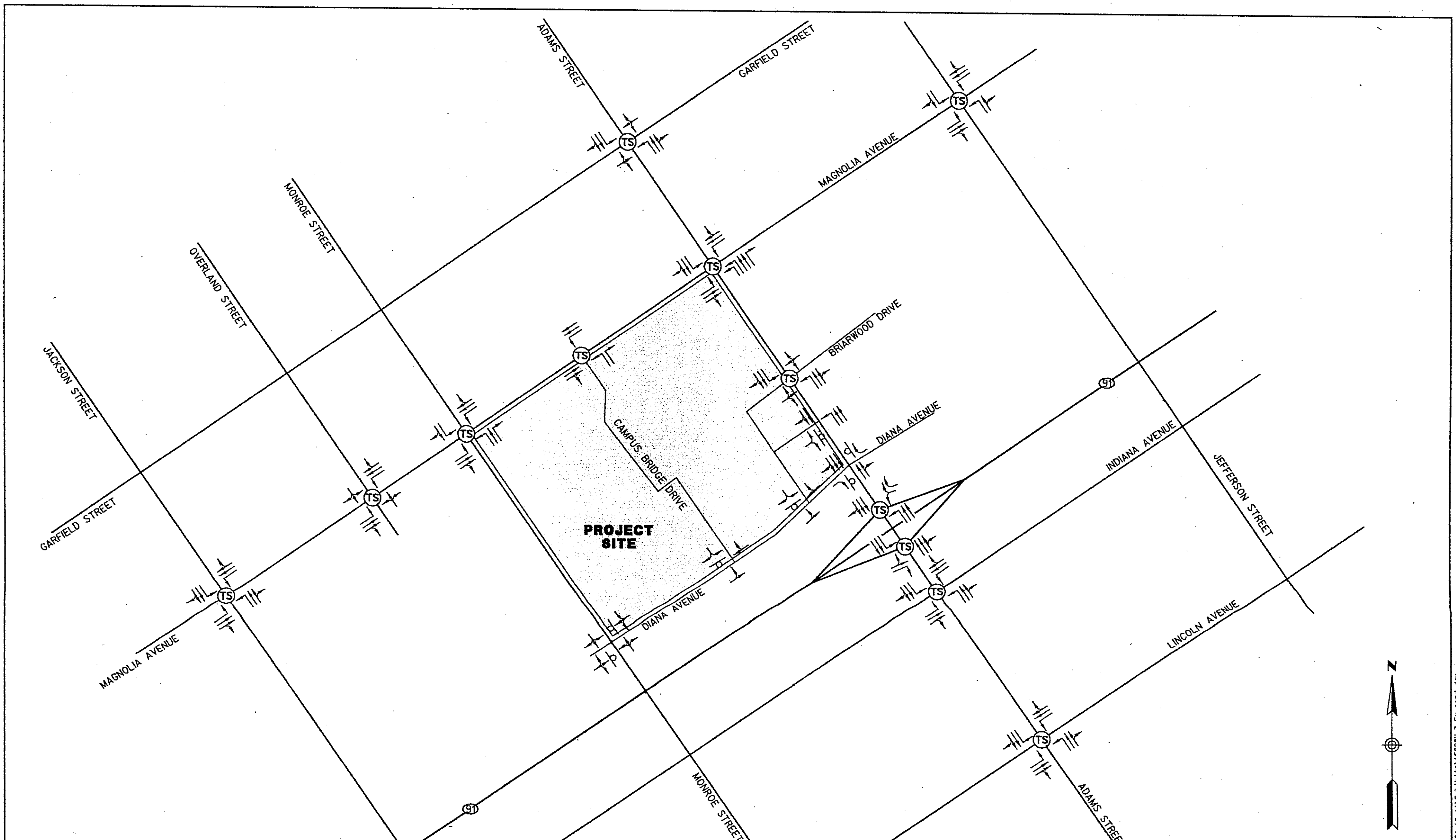

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EXHIBIT 3

EXISTING TRANSPORTATION CONDITIONS
CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

LEGEND
(TS) = TRAFFIC SIGNAL
O = STOP SIGN

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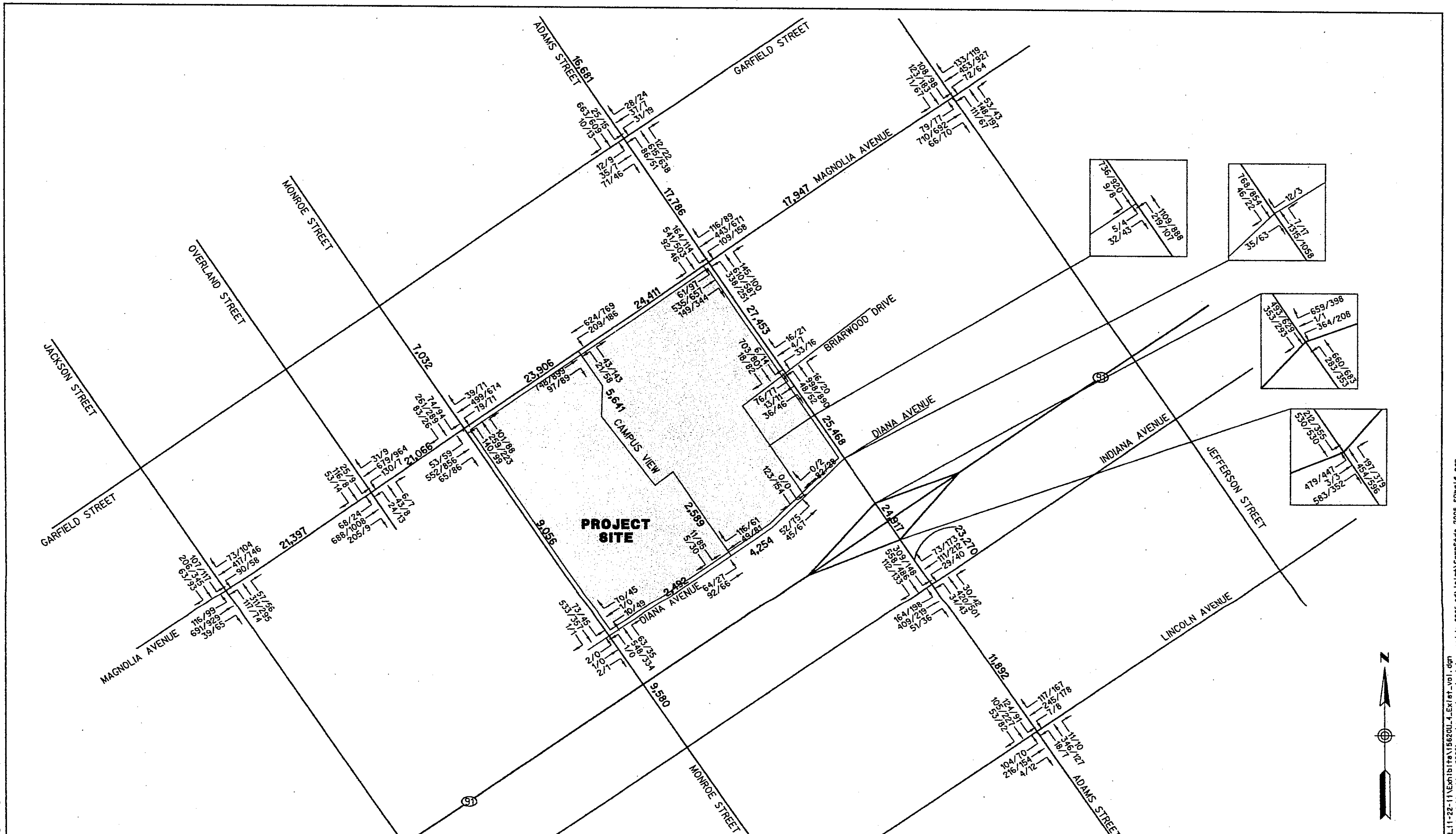

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EXHIBIT 4

EXISTING TRAFFIC VOLUMES (YEAR 2010)

CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

LEGEND

XX/XX = AM PEAK HOUR/PM PEAK HOUR

XXXX = ADT

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factors that relate to right-of-way control, geometrics, and traffic volumes. The signalized intersection analysis also takes into account intersection spacing and coordination.
The level of service for unsignalized intersections was calculated using the methodologies described in Chapter 17 of the 2000 HCM. The level of service for a two-way stop controlled intersection is determined by the computed control delay for each minor street movement and major street left-turns, and not for the intersection as a whole.

The level of service for the study area roadway segments was performed by comparing the Average Daily Traffic (ADT) on each roadway segment to the capacities shown within the City of Riverside Roadway Capacity table.

EXISTING OPERATIONS

Signalized Intersections

The 12 signalized intersections within the study area are:

- Magnolia Avenue/Monroe Street
- Magnolia Avenue/Campus Bridge Drive
- Magnolia Avenue/Adams Street
- Adams Street/Briarwood Drive
- Adams Street/SR 91 WB Ramps
- Adams Street/SR 91 EB Ramps
- Adams Street/Indiana Avenue
- Magnolia Avenue/Overland Street
- Magnolia Avenue/Jackson Street
- Adams Street/Garfield Street
- Magnolia Avenue/Jefferson Avenue
- Adams Street/Lincoln Street

Table 1 shows that all project area signalized intersections currently operate at LOS C or better during both the AM and PM peak hours.

Unsignalized Intersections

The 5 unsignalized intersections within the study area are:

- Adams Street/Diana Plaza Driveway
- Adams Street/Diana Avenue
- Diana Avenue/Plaza Driveway
- Diana Avenue/Campus Bridge Drive
- Diana Avenue/Monroe Street

Table 1 shows that each of the turning movements currently operate at LOS D or better during both the AM and PM peak hours, with the exception of the eastbound approach to the Diana Avenue/Monroe Street intersection. The eastbound left-turn/through/right-turn movement is anticipated to operate at LOS E during the AM peak hour.

TABLE 1
EXISTING INTERSECTION OPERATIONS (YEAR 2010)

Intersection	AM Peak Hour		PM Peak Hour	
	Delay (sec)	LOS	Delay (sec)	LOS
Magnolia Avenue & Monroe Street (Signalized)	31.2	C	27.9	C
Magnolia Avenue & Campus BridgeDrive (Signalized)	10.6	B	11.1	B
Magnolia Avenue & Adams Street (Signalized)	30.6	C	31.9	C
Adams Street & Briarwood Drive (Signalized)	8.7	A	8.6	A
Adams Street & Plaza Driveway (Unsignalized) [1]				
EB L/R	15.2	C	11.9	B
NB L	10.7	B	10.3	B
Adams Street & Diana Avenue (Unsignalized) [2]				
EB R	10.8	B	10.7	B
WB R	12.5	B	10.9	B
Adams Street & SR 91 WB Ramps (Signalized)	34.7	C	16.2	B
Adams Street & SR 91 EB Ramps (Signalized)	20.4	C	22.1	C
Diana Avenue & Plaza Driveway (Unsignalized) [3]				
EB L/T	4.2	A	4.1	A
SB L/R	9.6	A	9.1	A
Diana Avenue & Campus Bridge Drive (Unsignalized)				
EB L/T	3.5	A	2.3	A
SB L/R	11.0	B	10.4	B
Diana Avenue & Monroe Street (Unsignalized)				
EB L/T/R	42.8	E	10.7	B
WB L/T/R	25.3	D	20.5	C
NB L/T/R	0.0	A	0.0	A
SB L/T/R	2.6	A	1.4	A
Adams Street & Indiana Avenue (Signalized)	29.4	C	25.1	C
Magnolia Avenue & Overland Street (Signalized)	6.0	A	2.9	A
Magnolia Avenue & Jackson Street (Signalized)	25.9	C	26.1	C
Adams Street & Garfield Street (Signalized)	13.5	B	6.8	A
Magnolia Street & Jefferson Avenue (Signalized)	32.9	C	32.5	C
Adams Street & Lincoln Street (Signalized)	29.8	C	19.8	B

Notes:
(1) - Intersection is the full access driveway to Adams Plaza, located just north of the Shell gas station.
(2) - Intersection is located immediately north of the SR 91 WB Ramps.
(3) - Intersection is the full access driveway to Adams Plaza, located just west of the Shell gas station.

Roadway Segments

The 17 roadway segments analyzed within the study area are:

- Monroe Street, between Garfield Street and Magnolia Avenue
- Monroe Street, between Magnolia Avenue and Diana Avenue
- Monroe Street, between Diana Avenue and Indiana Avenue
- Magnolia Avenue, between Jefferson Street and Adams Street
- Magnolia Avenue, between Adams Street and Campus Bridge Drive
- Magnolia Avenue, between Campus Bridge Drive and Monroe Street
- Magnolia Avenue, between Monroe Street and Overland Street
- Magnolia Avenue, between Overland Street and Jackson Street
- Adams Street, between California Avenue and Garfield Street
- Adams Street, between Garfield Street and Magnolia Avenue
- Adams Street, between Magnolia Avenue and Briarwood Drive
- Adams Street, between Briarwood Drive and Diana Avenue
- Adams Street, between SR 91 WB Ramps and SR 91 EB Ramps
- Adams Street, between SR 91 EB Ramps and Indiana Avenue
- Adams Street, between Indiana Avenue and Lincoln Avenue
- Diana Avenue, between Adams Street and Campus Bridge Drive
- Diana Avenue, between Campus Bridge Drive and Monroe Street

Table 2 shows that all project area roadway segments currently operate at LOS C or better.

Queuing

The Synchro 7 software was utilized to analyze the 95th percentile queue for all studied signalized intersections. **Table 3** shows the existing queuing at each of the critical movements of the studied signalized intersections.

Ramp Merge/Diverge Analysis

The Highway Capacity Software (HCS) was utilized to analyze the merging and diverging conditions at the SR 91 interchange with Adams Street. **Table 4** shows the existing merge/diverge analysis at each of the studied ramps.

EXISTING + AMBIENT OPERATIONS

As discussed with the City of Riverside Traffic Engineering Division, a 1% growth rate per year was utilized to factor existing 2010 traffic volumes to the project's opening year, 2020. **Exhibit 5** shows the existing + ambient (year 2020) traffic volumes.

Signalized Intersections

Table 5 shows that all project area signalized intersections are anticipated to operate at LOS C or better during both the AM and PM peak hours, with the exception of the following:

- Magnolia Avenue/Monroe Street – LOS D during the AM peak hour
- Magnolia Avenue/Adams Street – LOS D during the AM and PM peak hours

TABLE 2
EXISTING ROADWAY SEGMENT OPERATIONS (YEAR 2010)

Street Segment	Roadway Classification	LOS D Capacity	# of Lanes	Existing	
				ADT	LOS
Monroe Street					
b/w Garfield St & Magnolia Ave	Collector	12,499	2	7,032	<C
b/w Magnolia Ave and Diana Ave	Arterial	17,999	2	9,056	<C
b/w Diana Ave and Indiana Ave	Arterial	17,999	2	9,580	<C
Magnolia Avenue					
b/w Jefferson St and Adams St	Special Boulevard*	32,999	4	17,947	<C
b/w Adams St and Campus Bridge Dr	Special Boulevard*	32,999	4	24,411	<C
b/w Campus Bridge Dr and Monroe St	Special Boulevard*	32,999	4	23,906	<C
b/w Monroe St and Overland St	Special Boulevard*	32,999	4	21,066	<C
b/w Overland St and Jackson St	Special Boulevard*	32,999	4	21,397	<C
Adams Street					
b/w California Ave and Garfield St	Arterial	32,999	4	16,681	<C
b/w Garfield St and Magnolia Ave	Arterial	32,999	4	17,786	<C
b/w Magnolia Ave and Briarwood Dr	Arterial	32,999	4	27,453	C
b/w Briarwood Dr and Diana Ave	Arterial	32,999	4	25,468	<C
b/w SR-91 WB and SR-91 EB Ramps	Arterial	32,999	4	24,917	<C
b/w SR-91 EB Ramp and Indiana Ave	Arterial	32,999	4	23,270	<C
b/w Indiana Ave and Lincoln Ave	Arterial	32,999	4	11,892	<C
Diana Avenue					
b/w Adams St and Campus Bridge Dr	Collector	12,499	2	4,254	<C
b/w Campus Bridge Dr and Monroe St	Collector	12,499	2	2,492	<C

Note:
LOS D Capacity based on City of Riverside Roadway Capacity Exhibit D.
*Magnolia Avenue classified per City of Riverside Master Plan of Roadways and Magnolia Avenue Specific Plan.

TABLE 3
EXISTING QUEUING (YEAR 2010)

Intersection Movement	Existing Storage Length (Feet)	95th Percentile Queue (Feet)	
		AM Peak Hour	PM Peak Hour
Magnolia Avenue & Monroe Street			
Eastbound Left-Turn	105	#59	#72
Westbound Left-Turn	115	#93	#99
Northbound Left-Turn	150	#135	#124
Northbound Right-Turn	150	22	29
Southbound Left-Turn	150	#232	#120
Magnolia Avenue & Campus Bridge Drive			
Westbound Left-Turn	160	121	#131
Northbound Left-Turn	100	22	44
Northbound Right-Turn	100	23	39
Magnolia Avenue & Adams Street			
Eastbound Left-Turn	180	#90	#114
Westbound Left-Turn	135	#150	#197
Northbound Left-Turn	145	121	93
Northbound Right-Turn	245	37	34
Southbound Left-Turn	105	#168	105
Adams Street & Briarwood Drive			
Northbound Left-Turn	195	m34	m46
Southbound Left-Turn	50	12	21
Adams Street & SR 91 WB Ramps			
Westbound Left-Turn	-	#427	#235
Westbound Right-Turn	-	#340	76
Northbound Left-Turn	170	m#254	m151
Adams Street & SR 91 EB Ramps			
Eastbound Left-Turn	-	#325	#355
Eastbound Right-Turn	-	#319	85
Southbound Left-Turn	170	m104	m#276
Adams Street & Indiana Avenue			
Eastbound Left-Turn	130	#194	#201
Westbound Left-Turn	95	36	44
Northbound Left-Turn	145	40	#53
Southbound Left-Turn	75	m#252	#160
Magnolia Avenue & Overland Street			
Eastbound Left-Turn	110	28	7
Westbound Left-Turn	110	78	3
Magnolia Avenue & Jackson Street			
Eastbound Left-Turn	170	#131	#124
Westbound Left-Turn	110	#109	#70
Northbound Left-Turn	150	#131	#80
Southbound Left-Turn	125	#119	#135
Adams Street & Garfield Street			
Northbound Left-Turn	50	55	33
Southbound Left-Turn	50	24	15
Magnolia Street & Jefferson Avenue			
Eastbound Left-Turn	110	#84	#92
Westbound Left-Turn	110	#86	#76
Northbound Left-Turn	140	#122	#79
Southbound Left-Turn	140	#119	#118
Adams Street & Lincoln Street			
Eastbound Left-Turn	120	#112	#67
Westbound Left-Turn	140	13	14
Northbound Left-Turn	150	24	13
Southbound Left-Turn	200	#124	#81

Note:
95th percentile volume exceeds capacity, queue may be longer.
m Volume for 95th percentile queue is metered by upstream signal.
Queue shown is maximum after 2 two cycles.

TABLE 4
EXISTING RAMP MERGE/DIVERGE ANALYSIS (YEAR 2010)

Ramp	AM Peak Hour		PM Peak Hour	
	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS
SR 91 Westbound Offramp at Adams Street	3.3	A	0.3	A
SR 91 Westbound Onramp at Adams Street	8.2	A	8.3	A
SR 91 Eastbound Offramp at Adams Street	0.7	A	0.0	A
SR 91 Eastbound Onramp at Adams Street	9.2	A	11.3	B

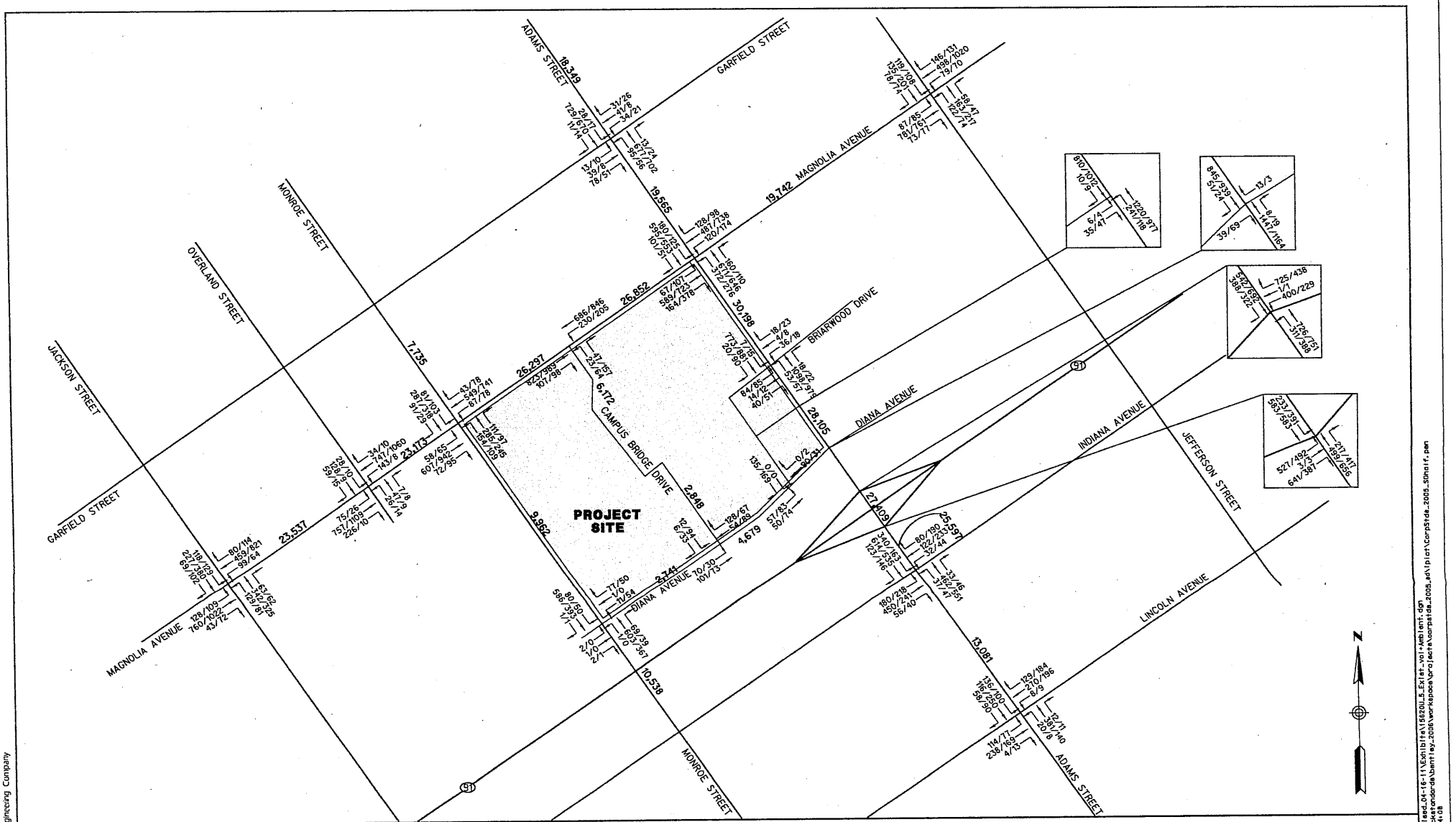

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EXHIBIT 5

EXISTING + AMBIENT TRAFFIC VOLUMES (YEAR 2020)
CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

LEGEND
XX/XX = AM PEAK HOUR/PM PEAK HOUR
XXXX = ADT

TABLE 5
EXISTING + AMBIENT
INTERSECTION OPERATIONS (YEAR 2020)

Intersection	Existing				Existing + Ambient			
	AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS
Magnolia Avenue & Monroe Street (Signalized)	31.2	C	27.9	C	35.5	D	30.5	C
Magnolia Avenue & Campus Bridge Drive (Signalized)	10.6	B	11.1	B	11.4	B	12.1	B
Magnolia Avenue & Adams Street (Signalized)	30.6	C	31.9	C	35.1	D	36.3	D
Adams Street & Briarwood Drive (Signalized)	8.7	A	8.6	A	9.9	A	9.2	A
Adams Street & Plaza Driveway (Unsignalized)								
EB L/R	15.2	C	11.9	B	17.6	C	12.1	B
NB L	10.7	B	10.3	B	11.5	B	10.8	B
Adams Street & Diana Avenue (Unsignalized)								
EB R	10.8	B	10.7	B	11.1	B	11.1	B
WB R	12.5	B	10.9	B	13.1	B	11.2	B
Adams Street & SR 91 WB Ramps (Signalized)	34.7	C	16.2	B	29.8	C	19.3	B
Adams Street & SR 91 EB Ramps (Signalized)	20.4	C	22.1	C	25.2	C	26.6	C
Diana Avenue & Plaza Driveway (Unsignalized)								
EB L/T	4.2	A	4.1	A	4.2	A	4.1	A
SB L/R	9.6	A	9.1	A	9.8	A	9.2	A
Diana Avenue & Campus Bridge Drive (Unsignalized)								
EB L/T	3.5	A	2.3	A	3.6	A	2.3	A
SB L/R	11.0	B	10.4	B	11.3	B	10.8	B
Diana Avenue & Monroe Street (Unsignalized)								
EB L/T/R	42.8	E	10.7	B	57.0	F	11.0	B
WB L/T/R	25.3	D	20.5	C	33.7	D	24.8	C
NB L/T/R	0.0	A	0.0	A	0.0	A	0.0	A
SB L/T/R	2.6	A	1.4	A	3.1	A	1.5	A
Adams Street & Indiana Avenue (Signalized)	29.4	C	25.1	C	29.3	C	27.2	C
Magnolia Avenue & Overland Street (Signalized)	6.0	A	2.9	A	6.8	A	3.0	A
Magnolia Avenue & Jackson Street (Signalized)	25.9	C	26.1	C	28.6	C	28.7	C
Adams Street & Garfield Street (Signalized)	13.5	B	6.8	A	14.4	B	7.5	A
Magnolia Street & Jefferson Avenue (Signalized)	32.9	C	32.5	C	32.9	C	33.5	C
Adams Street & Lincoln Street (Signalized)	29.8	C	19.8	B	35.5	D	22.2	C

- Adams Street/Lincoln Street – LOS D during the AM peak hour.

Unsignalized Intersections

Table 5 shows that each of the turning movements are anticipated to operate at LOS D or better during both the AM and PM peak hours, with the exception of the eastbound approach to the Diana Avenue/Monroe Street intersection. The eastbound left-turn/through/right-turn movement is anticipated to operate at LOS F during the AM peak hour.

Roadway Segments

Table 6 shows that all project area roadway segments are anticipated to operate at LOS D or better.

Queuing

Table 7 shows the existing + ambient queuing at each of the critical movements of the studied signalized intersections.

Ramp Merge/Diverge Analysis

Table 8 shows the existing + ambient merge/diverge analysis at each of the studied ramps.

PROJECT TRAFFIC GENERATION

Trip generation for the proposed expansion of California Baptist University was estimated based on a calculated rate determined using the existing driveway traffic volumes and the existing student population. As this is an existing land use that is only increasing in size, it was determined that a trip generation rate determined based on the actual existing data is a more appropriate than the rates contained within the Institute of Transportation Engineer's (ITE) Trip Generation manual as it is based on existing, local data. Refer to **Appendix C** for the trip generation calculations and comparison to ITE rates.

Based on the existing, locally calculated trip rates, the project is anticipated to generate 14,867 ADT with 1,050 AM peak hour trips (903 inbound/147 outbound) and 1,212 PM peak hour trips (642 inbound/570 outbound). This represents an increase of 6,637 daily trips, 484 AM peak hour trips (416 inbound/68 outbound) and 533 PM peak hour trips (282 inbound/251 outbound), in comparison to the existing trips. **Table 9** shows the total trip generation for the project.

PROJECT TRAFFIC DISTRIBUTION/ASSIGNMENT

The project trips were distributed and assigned to the project driveways and nearby intersections based on existing traffic counts, proximity to nearby arterials and adjacent travel patters.

It should be noted that the following changes will occur with the proposed expansion of California Baptist University, and traffic patterns revised:

TABLE 6
EXISTING + AMBIENT
ROADWAY SEGMENT OPERATIONS (YEAR 2020)

Street Segment	Roadway Classification	LOS D Capacity	# of Lanes	Existing		Existing + Ambient	
				ADT	LOS	ADT	LOS
Monroe Street							
b/w Garfield St & Magnolia Ave	Collector	12,499	2	7,032	<C	7,735	<C
b/w Magnolia Ave and Diana Ave	Arterial	17,999	2	9,056	<C	9,962	<C
b/w Diana Ave and Indiana Ave	Arterial	17,999	2	9,580	<C	10,538	<C
Magnolia Avenue							
b/w Jefferson St and Adams St	Special Boulevard*	32,999	4	17,947	<C	19,742	<C
b/w Adams St and Campus Bridge Dr	Special Boulevard*	32,999	4	24,411	<C	26,852	C
b/w Campus Bridge Dr and Monroe St	Special Boulevard*	32,999	4	23,906	<C	26,297	C
b/w Monroe St and Overland St	Special Boulevard*	32,999	4	21,066	<C	23,173	<C
b/w Overland St and Jackson St	Special Boulevard*	32,999	4	21,397	<C	23,537	<C
Adams Street							
b/w California Ave and Garfield St	Arterial	32,999	4	16,681	<C	18,349	<C
b/w Garfield St and Magnolia Ave	Arterial	32,999	4	17,786	<C	19,565	<C
b/w Magnolia Ave and Briarwood Dr	Arterial	32,999	4	27,453	C	30,198	D
b/w Briarwood Dr and Diana Ave	Arterial	32,999	4	25,468	<C	28,105	C
b/w SR-91 WB and SR-91 EB Ramps	Arterial	32,999	4	24,917	<C	27,409	C
b/w SR-91 EB Ramp and Indiana Ave	Arterial	32,999	4	23,270	<C	25,597	<C
b/w Indiana Ave and Lincoln Ave	Arterial	32,999	4	11,892	<C	13,081	<C
Diana Avenue							
b/w Adams St and Campus Bridge Dr	Collector	12,499	2	4,254	<C	4,679	<C
b/w Campus Bridge Dr and Monroe St	Collector	12,499	2	2,492	<C	2,741	<C

Note:
LOS D Capacity based on City of Riverside Roadway Capacity Exhibit D.
*Magnolia Avenue classified per City of Riverside Master Plan of Roadways and Magnolia Avenue Specific Plan.

TABLE 7
EXISTING + AMBIENT
QUEUING (YEAR 2020)

Intersection Movement	Existing Storage Length (Feet)	95th Percentile Queue (Feet)			
		Existing		Existing + Ambient	
		AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
Magnolia Avenue & Monroe Street					
Eastbound Left-Turn	105	#59	#72	#68	#88
Westbound Left-Turn	115	#93	#99	#111	#117
Northbound Left-Turn	150	#135	#124	#160	#137
Northbound Right-Turn	150	22	29	24	33
Southbound Left-Turn	150	#232	#120	#91	#132
Magnolia Avenue & Campus Bridge Drive					
Westbound Left-Turn	160	121	#131	#152	#150
Northbound Left-Turn	100	22	44	24	47
Northbound Right-Turn	100	23	39	23	40
Magnolia Avenue & Adams Street					
Eastbound Left-Turn	180	#90	#114	#89	#139
Westbound Left-Turn	135	#150	#197	#156	#218
Northbound Left-Turn	145	121	93	132	114
Northbound Right-Turn	245	37	34	40	38
Southbound Left-Turn	105	#168	105	#180	#158
Adams Street & Briarwood Drive					
Northbound Left-Turn	195	m34	m46	m39	m47
Southbound Left-Turn	50	12	21	14	23
Adams Street & SR 91 WB Ramps					
Westbound Left-Turn	-	#427	#235	#498	#293
Westbound Right-Turn	-	#340	76	#406	138
Northbound Left-Turn	170	m#254	m151	m#265	m151
Adams Street & SR 91 EB Ramps					
Eastbound Left-Turn	-	#325	#355	#372	#396
Eastbound Right-Turn	-	#319	85	#432	136
Southbound Left-Turn	170	m104	m#276	m147	m#269
Adams Street & Indiana Avenue					
Eastbound Left-Turn	130	#194	#201	#208	#213
Westbound Left-Turn	95	36	44	41	47
Northbound Left-Turn	145	40	#53	46	#60
Southbound Left-Turn	75	m#252	#160	m#270	m#175
Magnolia Avenue & Overland Street					
Eastbound Left-Turn	110	28	7	33	7
Westbound Left-Turn	110	78	3	#128	3
Magnolia Avenue & Jackson Street					
Eastbound Left-Turn	170	#131	#124	#133	#136
Westbound Left-Turn	110	#109	#70	#109	#85
Northbound Left-Turn	150	#131	#80	#134	#87
Southbound Left-Turn	125	#119	#135	#121	#150
Adams Street & Garfield Street					
Northbound Left-Turn	50	55	33	60	36
Southbound Left-Turn	50	24	15	26	16
Magnolia Street & Jefferson Avenue					
Eastbound Left-Turn	110	#84	#92	#92	#111
Westbound Left-Turn	110	#86	#76	#104	#79
Northbound Left-Turn	140	#122	#79	#136	#86
Southbound Left-Turn	140	#119	#118	#133	#130
Adams Street & Lincoln Street					
Eastbound Left-Turn	120	#112	#67	#126	#79
Westbound Left-Turn	140	13	14	14	15
Northbound Left-Turn	150	24	13	25	14
Southbound Left-Turn	200	#124	#81	#140	#95

Note:
95th percentile volume exceeds capacity, queue may be longer.
m Volume for 95th percentile queue is metered by upstream signal.
Queue shown is maximum after 2 two cycles.

TABLE 8
EXISTING + AMBIENT
RAMP MERGE/DIVERGE ANALYSIS (YEAR 2020)

Ramp	Existing				Existing + Ambient			
	AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS
SR 91 Westbound Offramp at Adams Street	3.3	A	0.3	A	5.3	A	2.1	A
SR 91 Westbound Onramp at Adams Street	8.2	A	8.3	A	9.6	A	9.7	A
SR 91 Eastbound Offramp at Adams Street	0.7	A	0.0	A	2.8	A	0.7	A
SR 91 Eastbound Onramp at Adams Street	9.2	A	11.3	B	10.5	B	12.8	B

TABLE 9
PROJECT TRAFFIC GENERATION

Land Use	ADT	AM Peak Hour			PM Peak Hour		
		Enter	Exit	Total	Enter	Exit	Total
Institutional	14,867	903	147	1,050	642	570	1,212

Note:
Traffic generation is based on calculation generated from existing traffic volume counts at existing driveways. Refer to Appendix C for calculations and for comparison to ITE Trip Generation rates.

- The existing shopping center on the west side of Adams Street, north of Diana Avenue will be redeveloped with academic buildings and parking facilities.
- The main access point to the campus will be shifted from Magnolia Street/Campus Bridge Drive to Adams Street and Lancer Lane/Briarwood Drive (the existing access at Magnolia Street/Campus Bridge Drive will remain).

Exhibit 6 shows the project traffic distribution percentages utilized for assigning the project trips. **Exhibit 7** shows the project traffic assignments. **Exhibit 8** shows the existing + ambient + project (year 2020) traffic volumes within the project study area.

EXISTING + AMBIENT + PROJECT OPERATIONS

Signalized Intersections

Table 10 shows that all project area signalized intersections are anticipated to operate at LOS C or better during both the AM and PM peak hours, with the exception of the following:

- Magnolia Avenue/Monroe Street – LOS D during the AM peak hour
- Magnolia Avenue/Adams Street – LOS D during the AM and PM peak hours
- Adams Street and Lancer Lane/Briarwood Drive – LOS D during the AM peak hour.
- Adams Street/SR 91 WB Ramps – LOS D during the AM and PM peak hours.
- Adams Street/SR 91 EB Ramps – LOS D during the AM and PM peak hours.
- Adams Street/Indiana Avenue – LOS D during the PM peak hour.

With the addition of a second northbound left-turn lane, the intersection of Adams Street and Lancer Lane/Briarwood Drive can be improved to a LOS B during both peak hours.

Unsignalized Intersections

Table 10 shows that each of the turning movements are anticipated to operate at LOS C or better during both the AM and PM peak hours.

Roadway Segments

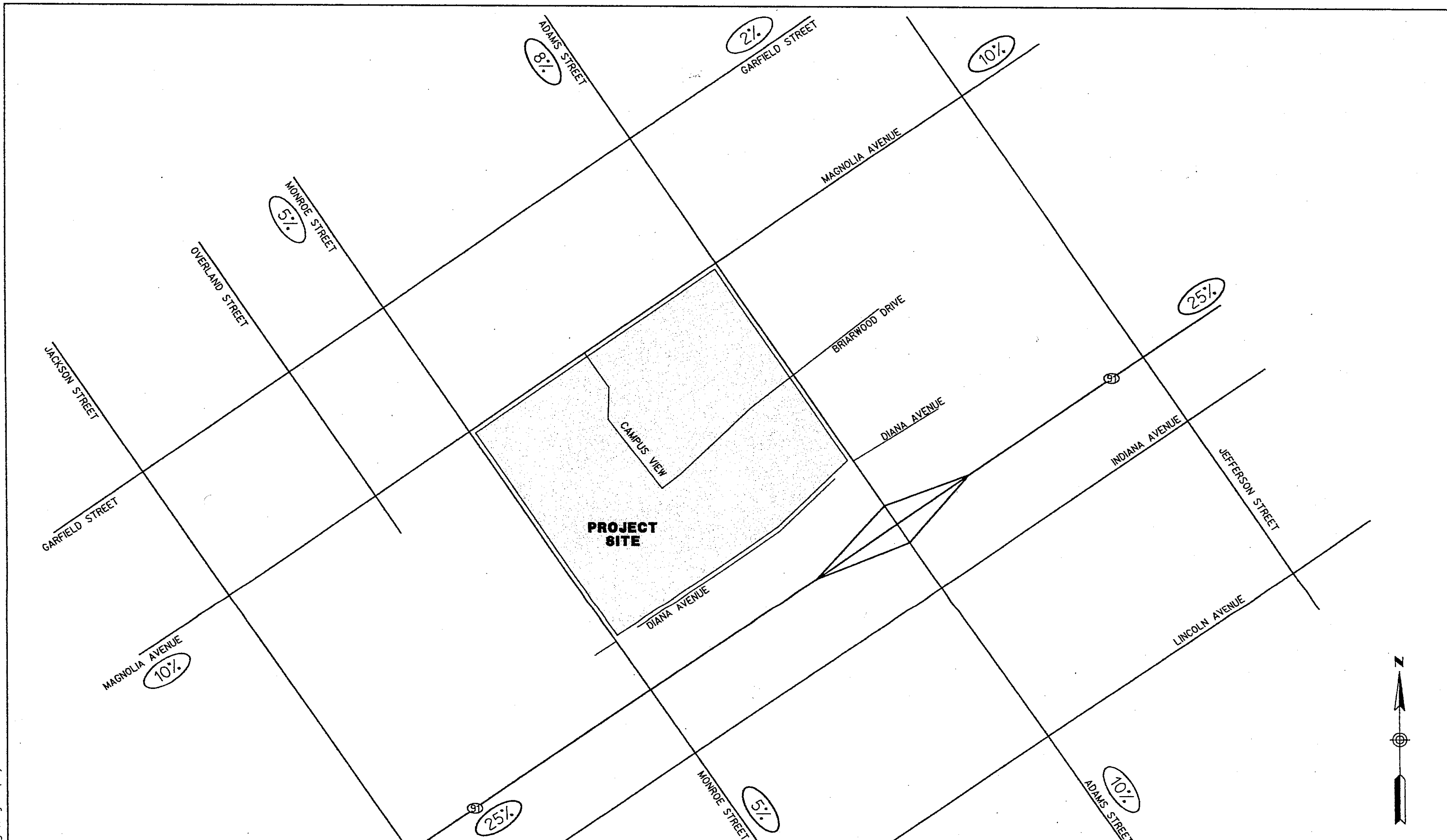
Table 11 shows that all project area roadway segments are anticipated to operate at LOS D or better.

Queuing

Table 12 shows the existing + ambient + project queuing at each of the critical movements of the studied signalized intersections.

Ramp Merge/Diverge Analysis

Table 13 shows the existing + ambient + project merge/diverge analysis at each of the studied ramps.



RICK ENGINEERING COMPANY

5620 FRIARS ROAD
SAN DIEGO, CA 92110
619.291.0707
(FAX)619.291.4165

EXHIBIT 6

PROJECT TRAFFIC DISTRIBUTION PERCENTAGES
CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

T:\15620U\Revised_11-19-11\Exhibits\15620U_6_trip_dist.dgn
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21-NOV-2011 15:06

TABLE 11
EXISTING + AMBIENT + PROJECT
ROADWAY SEGMENT OPERATIONS (YEAR 2020)

Street Segment	Roadway Classification	LOS D Capacity	# of Lanes	Existing + Ambient		Existing + Ambient + Project	
				ADT	LOS	ADT	LOS
Monroe Street							
b/w Garfield St & Magnolia Ave	Collector	12,499	2	7,735	<C	8,013	<C
b/w Magnolia Ave and Diana Ave	Arterial	17,999	2	9,962	<C	10,240	<C
b/w Diana Ave and Indiana Ave	Arterial	17,999	2	10,538	<C	10,816	<C
Magnolia Avenue							
b/w Jefferson St and Adams St	Special Boulevard*	32,999	4	19,742	<C	19,992	<C
b/w Adams St and Campus Bridge Dr	Special Boulevard*	32,999	4	26,852	C	26,852	C
b/w Campus Bridge Dr and Monroe St	Special Boulevard*	32,999	4	26,297	C	27,408	C
b/w Monroe St and Overland St	Special Boulevard*	32,999	4	23,173	<C	23,728	<C
b/w Overland St and Jackson St	Special Boulevard*	32,999	4	23,537	<C	24,092	<C
Adams Street							
b/w California Ave and Garfield St	Arterial	32,999	4	18,349	<C	18,579	<C
b/w Garfield St and Magnolia Ave	Arterial	32,999	4	19,565	<C	19,795	<C
b/w Magnolia Ave and Lancer Ln/Briarwood Dr	Arterial	41,249**	5	30,198	D	30,658	C
b/w Lancer Ln/Briarwood Dr and Diana Ave	Arterial	41,249**	5	28,105	C	35,703	C
b/w SR-91 WB and SR-91 EB Ramps	Arterial	32,999	4	27,409	C	31,841	D
b/w SR-91 EB Ramp and Indiana Ave	Arterial	32,999	4	25,597	<C	26,860	C
b/w Indiana Ave and Lincoln Ave	Arterial	32,999	4	13,081	<C	14,347	<C
Diana Avenue							
b/w Adams St and Campus Bridge Dr	Collector	12,499	2	4,679	<C	-	-
b/w Campus Bridge Dr and Monroe St	Collector	12,499	2	2,741	<C	-	-

Note:
LOS D Capacity based on City of Riverside Roadway Capacity Exhibit D.
*Magnolia Avenue classified per City of Riverside Master Plan of Roadways and Magnolia Avenue Specific Plan.
**LOS D Capacity interpolated between 4 lane road and 6 lane road.

TABLE 19
GENERAL PLAN BUILDOUT
ROADWAY SEGMENT OPERATIONS (YEAR 20205)

Street Segment	Roadway Classification	LOS D Capacity	# of Lanes	Buildout	
				ADT	LOS
Monroe Street					
b/w Garfield St & Magnolia Ave	Collector	12,499	2	1,000	A
b/w Magnolia Ave and Diana Ave	Arterial	32,999	4	7,000	A
b/w Diana Ave and Indiana Ave	Arterial	32,999	4	6,000	A
Magnolia Avenue					
b/w Jefferson St and Adams St	Special Boulevard*	32,999	4	40,000	E
b/w Adams St and Campus Bridge Dr	Special Boulevard*	32,999	4	42,000	E
b/w Campus Bridge Dr and Monroe St	Special Boulevard*	32,999	4	44,000	E
b/w Monroe St and Overland St	Special Boulevard*	32,999	4	44,000	E
b/w Overland St and Jackson St	Special Boulevard*	32,999	4	46,000	E
Adams Street					
b/w California Ave and Garfield St	Arterial	49,499	6	35,000	<C
b/w Garfield St and Magnolia Ave	Arterial	49,499	6	35,000	<C
b/w Magnolia Ave and Lancer Ln/Briarwood Dr	Arterial	49,499	6	32,000	<C
b/w Lancer Ln/Briarwood Dr and Diana Ave	Arterial	49,499	6	39,000	C
b/w SR-91 WB Ramp and Indiana Ave	Arterial	49,499	6	50,000	E
b/w Indiana Ave and Lincoln Ave	Arterial	49,499	6	25,000	<C

Note:
LOS D Capacity based on City of Riverside Roadway Capacity Exhibit D.
*Magnolia Avenue classified per City of Riverside Master Plan of Roadways and Magnolia Avenue Specific Plan.

APPENDIX A

Approved Scoping Agreement

Exhibit B

SCOPING AGREEMENT FOR TRAFFIC IMPACT STUDY

This letter acknowledges the City of Riverside Public Works Traffic Engineering Division requirements for traffic impact analysis of the following project. The analysis must follow the City Traffic Study Guide dated April 2009.

Case No. _____
Related Cases -
SP No. _____
EIR No. _____
GPA No. _____
CZ No. _____
Project Name: California Baptist University Traffic Impact Study
Project Location: 8432 Magnolia Avenue, Riverside, CA 92504
Project Description: Prepare TIS for CBU's Specific Plan
Increase in students from 4,479 (existing) to 8,080 (buildout)

	Consultant	Developer
Name:	Rick Engineering Company	California Baptist University
Address:	5620 Friars Road	8432 Magnolia Avenue
	San Diego, CA	Riverside, CA
Telephone:	(619) 291-0707	(951) 343-4303

A. Trip Generation Source: Trip rate calculated from existing counts / existing number of students

Existing Land Use	Institutional	Proposed Land Use	Institutional
Existing Zoning	Institutional	Proposed Zoning	Institutional
Total Daily Trips	6,637		

	In	Out	Total
AM Trips	416	68	484
PM Trips	282	251	533

Internal Trip Allowance ☐ Yes ☒ No (% Trip Discount)
Pass-By Trip Allowance ☐ Yes ☒ No (% Trip Discount)
(Attach additional sheet if this is a multi-use site with a breakdown of trips generated)

B. Trip Geographic Distribution: N 15 % S 15 % E 35 % W 35 %
(See attached exhibit for detailed assignment)

C. Background Traffic

Project Completion Year: 2020 Annual Ambient Growth Rate: 1.0 %
Other area projects to be included: To be provided by City

Please contact Planning Division or use the most recently provided data

Model/Forecast methodology if required Obtain General Plan buildoun ADT, AM, and PM segment volumes from City Model (to be provided by City Staff). Perform buildout analysis based on NCHRP 255 Guidelines.

D. Study intersections: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies.)

1. Refer to Attachment 'A'
2.
3.
4.
5.
6.
7.
8.

E. Study Roadway Segments (For GP level study):

1. Refer to Attachment 'A'
2.
3.
4.
5.
6.
7.
8.

F. Other Jurisdictional Impacts

Is this project within any other Agency's Sphere of Influence or one-mile radius of boundaries? Yes ☐ No ☒

If so, name of Jurisdiction:

G. Site Plan (please attach a legible 11'X17' copy)

H. Specific issues to be addressed in the Study (in addition to the standard analysis described in the Guideline) (To be filled out by Public Works Traffic Department)

1- Synchro 6 or 7 operational analysis shall be provided (LOS and Queues)
2- (2) bound copies of TIA and a PDF on a CD shall be submitted to Public Works (4th Floor)
3- A review fee of $1,892 shall be submitted with TIA submittal. Submittal will not be accepted without the fee

Recommended by:

Brian R. Stephens — 1/22/11
Consultant's Representative — Date

Scoping Agreement Submitted on — 12/10/10 — Date

Scoping Agreement Resubmitted on — 1/22/11 — Date

Approved Scoping Agreement:

Cliff Yarges, AICP — 2/9/2011
City of Riverside — Date
Traffic Engineering Division

cc: Planning Division
Land Development Section

ATTACHMENT 'A'

SCOPING AGREEMENT FOR TRAFFIC IMPACT STUDY (CONTINUED)

D. Study Intersections

1. Magnolia Avenue/Monroe Street
2. Magnolia Avenue/Campus View
3. Magnolia Avenue/Adams Street
4. Adams Street/Briarwood Drive
5. Adams Street/Plaza Driveway
6. Adams Street/Diana Avenue
7. Adams Street/SR 91 WB Ramps
8. Adams Street/SR 91 EB Ramps
9. Diana Avenue/Plaza Driveway
10. Diana Avenue/Campus View
11. Diana Avenue/Monroe Street
12. Magnolia Avenue/Overland Street
13. Magnolia Avenue/Jackson Street
14. Adams Street/Garfield Street
15. Magnolia Avenue/Jefferson Street
16. Adams Street/Indiana Avenue
17. Adams Street/Lincoln Avenue

E. Study Roadway Segments

1. Monroe, between Diana & Magnolia
2. Magnolia, between Monroe & Campus View
3. Magnolia, between Campus View & Adams
4. Adams, between Magnolia & Briarwood
5. Adams, between Briarwood & Diana
6. Adams, between SR 91 WB & SR 91 EB
7. Diana, between Adams & Campus View
8. Diana, between Campus View & Monroe
9. Campus View, just north of Diana
10. Campus View, just south of Magnolia
11. Magnolia, between Jackson & Overland
12. Magnolia, between Overland & Monroe
13. Magnolia, between Adams & Jefferson
14. Adams, between California & Garfield
15. Adams, between Garfield & Magnolia
16. Adams, between SR 91 EB & Indiana
17. Adams, between Indiana & Lincoln
18. Monroe, between Garfield & Magnolia
19. Monroe, between Diana & Indiana

Project Analysis Scenarios

1. Existing Conditions
2. Existing + Ambient (Project Buildout Year 2020)
3. Existing + Ambient + Project (Project Buildout Year 2020)
4. Existing + Cumulative + Project (Project Buildout Year 2020)
5. General Plan Buildout (Without Project, Year 2025)
6. General Plan Buildout + Project (Year 2025)
7. Existing + Project, without mitigation (Project Buildout Year 2020)
8. Existing + Project, with mitigation (Project Buildout Year 2020)
9. Existing + Project, without mitigation (General Plan Buildout Year 2025)
10. Existing + Project, with mitigation (General Plan Buildout Year 2025)

Operational Analysis

Operation analysis will be conducted using Synchro 7 for capacity analysis and queuing analysis.
General Plan buildout analysis will be conducted using City of Riverside model (to be provided by City).
NCHRP Report 255 Guidelines will be utilized to perform General Plan buildout analysis.

Trip Generation Rates

Trip generation will be calculated based on a calculated rate from the existing number of students on the campus divided by the existing traffic volume counts entering/exiting the campus. Counts will be performed on the school days with the highest occupancy of students on campus. A detailed explanation of the trip generation will be provided in the traffic study.

Intersection Turning Movement
Prepared by:

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

N-S STREET: PLAZA DRIVEWAY DATE: 11/18/10 LOCATION: RIVERSIDE

E-W STREET: DIANA AVE. DAY: THURSDAY PROJECT# 10-1161-009

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	0	0	0	1	0	0	1	0	0	1	0	
6:00 AM													
6:15 AM													
6:30 AM													
6:45 AM													
7:00 AM	0	0	0	0	0	13	3	10	0	0	3	0	29
7:15 AM	0	0	0	0	0	19	11	9	0	0	15	0	54
7:30 AM	0	0	0	0	0	28	10	7	0	0	12	0	57
7:45 AM	0	0	0	0	0	42	11	12	0	0	35	0	100
8:00 AM	0	0	0	0	0	32	17	13	0	0	24	0	86
8:15 AM	0	0	0	0	0	21	14	13	0	0	11	0	59
8:30 AM	0	0	0	0	0	18	11	5	0	0	13	1	48
8:45 AM	0	0	0	0	0	30	11	7	0	0	10	1	59
9:00 AM													
9:15 AM													
9:30 AM													
9:45 AM													
10:00 AM													
10:15 AM													
10:30 AM													
10:45 AM													
11:00 AM													
11:15 AM													
11:30 AM													
11:45 AM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	0	0	0	0	0	203	88	76	0	0	123	2	492
Approach %	####	####	####	0.00	0.00	100.00	53.66	46.34	0.00	0.00	98.40	1.60	
App/Depart	0	/	90	203	/	0	164	/	76	125	/	326	

AM Peak Hr Begins at: 730 AM

PEAK													
Volumes	0	0	0	0	0	123	52	45	0	0	82	0	302
Approach %	####	####	####	0.00	0.00	100.00	53.61	46.39	0.00	0.00	100.00	0.00	
PEAK HR. FACTOR:	0.000			0.732			0.808			0.586			0.755

CONTROL: 1-WAY STOP (SB)
COMMENT 1:
COMMENT 2:

Intersection Turning Movement
Prepared by:

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

N-S STREET: CAMPUS VIEW DATE: 11/17/10 LOCATION: RIVERSIDE

E-W STREET: DIANA AVE. DAY: WEDNESDAY PROJECT# 10-1161-010

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	0	0	0	1	0	0	1	0	0	1	0	
6:00 AM													
6:15 AM													
6:30 AM													
6:45 AM													
7:00 AM	0	0	0	4	0	1	4	8	0	0	6	12	35
7:15 AM	0	0	0	1	0	0	2	19	0	0	3	6	31
7:30 AM	0	0	0	2	0	1	3	14	0	0	4	16	40
7:45 AM	0	0	0	2	0	1	12	22	0	0	12	32	81
8:00 AM	0	0	0	4	0	1	34	25	0	0	12	36	112
8:15 AM	0	0	0	4	0	3	14	28	0	0	19	25	93
8:30 AM	0	0	0	1	0	0	4	17	0	0	6	23	51
8:45 AM	0	0	0	3	0	2	5	10	0	0	9	17	46
9:00 AM	0	0	0	6	0	2	17	12	0	0	11	36	84
9:15 AM													
9:30 AM													
9:45 AM													
10:00 AM													
10:15 AM													
10:30 AM													
10:45 AM													
11:00 AM													
11:15 AM													
11:30 AM													
11:45 AM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	0	0	0	27	0	11	95	155	0	0	82	203	573
Approach %	####	####	####	71.05	0.00	28.95	38.00	62.00	0.00	0.00	28.77	71.23	
App/Depart	0	/	298	38	/	0	250	/	182	285	/	93	

AM Peak Hr Begins at: 745 AM

PEAK													
Volumes	0	0	0	11	0	5	64	92	0	0	49	116	337
Approach %	####	####	####	68.75	0.00	31.25	41.03	58.97	0.00	0.00	29.70	70.30	
PEAK HR. FACTOR:		0.000			0.571			0.661			0.859		0.752

CONTROL: 1-WAY STOP (SB)
COMMENT 1:
COMMENT 2:

Intersection Turning Movement

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

N-S STREET: CAMPUS VIEW DATE: 11/17/10 LOCATION: RIVERSIDE

E-W STREET: DIANA AVE. DAY: WEDNESDAY PROJECT# 10-1161-010

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	0	0	0	1	0	0	1	0	0	1	0	
1:00 PM													
1:15 PM													
1:30 PM													
1:45 PM													
2:00 PM													
2:15 PM													
2:30 PM													
2:45 PM													
3:00 PM													
3:15 PM													
3:30 PM													
3:45 PM													
4:00 PM	0	0	0	9	0	4	12	12	0	0	13	18	68
4:15 PM	0	0	0	20	0	6	11	14	0	0	12	21	84
4:30 PM	0	0	0	25	0	6	3	15	0	0	20	10	79
4:45 PM	0	0	0	20	0	10	7	16	0	0	12	6	71
5:00 PM	0	0	0	30	0	13	6	12	0	0	15	14	90
5:15 PM	0	0	0	18	0	4	6	20	0	0	30	12	90
5:30 PM	0	0	0	22	0	5	7	17	0	0	22	17	90
5:45 PM	0	0	0	15	0	8	8	17	0	0	14	18	80
6:00 PM													
6:15 PM													
6:30 PM													
6:45 PM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	0	0	0	159	0	56	60	123	0	0	138	116	652
Approach %	####	####	####	73.95	0.00	26.05	32.79	67.21	0.00	0.00	54.33	45.67	
App/Depart	0	/	176	215	/	0	183	/	282	254	/	194	

PM Peak Hr Begins at: 500 PM

PEAK													
Volumes	0	0	0	85	0	30	27	66	0	0	81	61	350
Approach %	####	####	####	73.91	0.00	26.09	29.03	70.97	0.00	0.00	57.04	42.96	
PEAK HR. FACTOR:		0.000			0.669			0.894			0.845		0.972

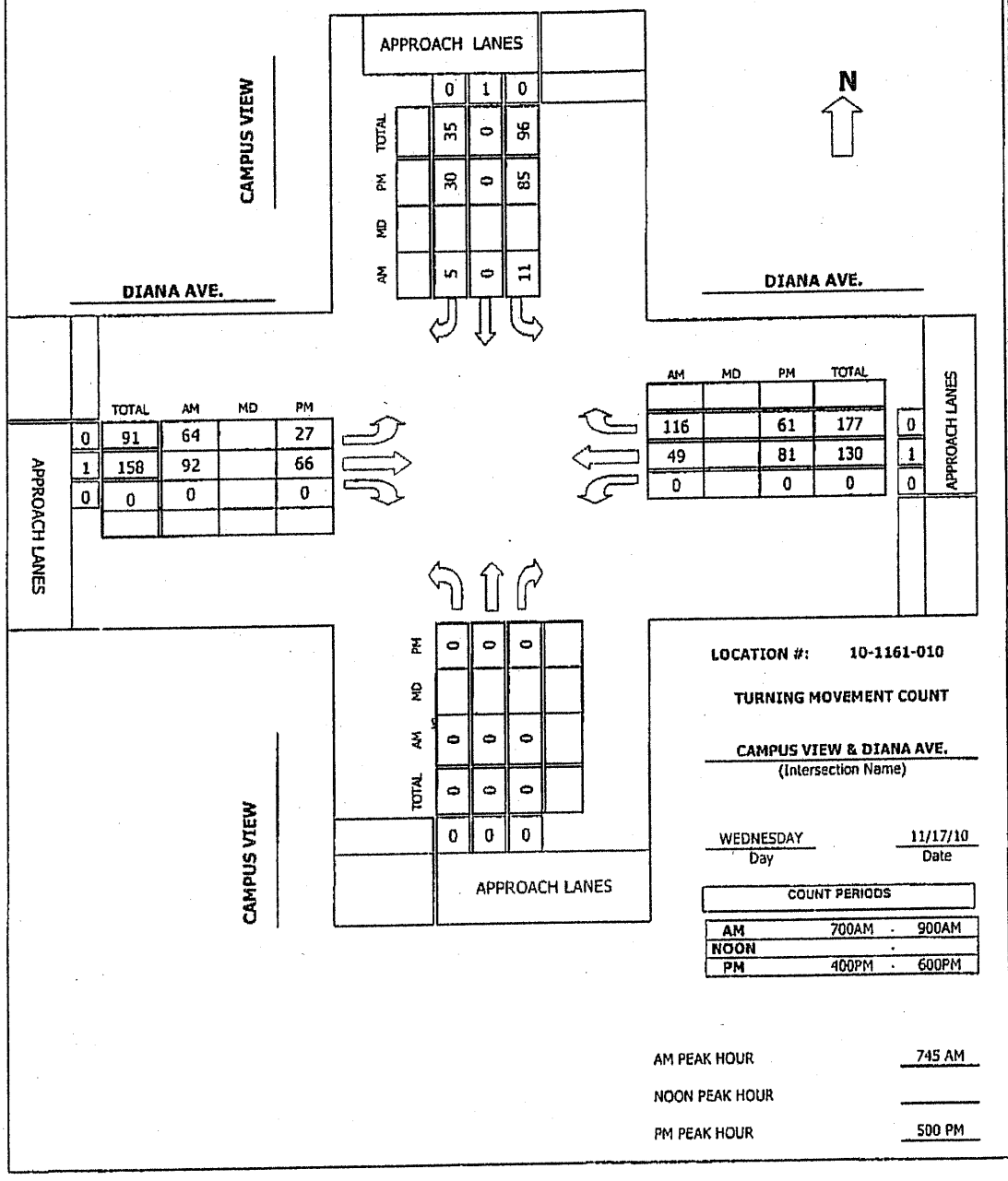
CONTROL: 1-WAY STOP (SB)
COMMENT 1: 0
COMMENT 2: 0

Intersection Turning Movement
Prepared by:

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

Project #: 10-1161-010

TMC SUMMARY OF CAMPUS VIEW & DIANA AVE.



LOCATION #: 10-1161-010

TURNING MOVEMENT COUNT

CAMPUS VIEW & DIANA AVE.
(Intersection Name)

WEDNESDAY (Day) 11/17/10 (Date)

COUNT PERIODS		
AM	700AM -	900AM
NOON	-	
PM	400PM -	600PM

AM PEAK HOUR 745 AM

NOON PEAK HOUR

PM PEAK HOUR 500 PM

Intersection Turning Movement
Prepared by:

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

N-S STREET: MONROE ST. DATE: 11/18/10 LOCATION: RIVERSIDE

E-W STREET: DIANA AVE. DAY: THURSDAY PROJECT# 10-1161-011

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	1	0	0	1	0	0	1	0	0	1	0	
6:00 AM													
6:15 AM													
6:30 AM													
6:45 AM													
7:00 AM	2	61	12	10	39	1	0	0	1	2	2	5	135
7:15 AM	3	91	13	11	47	0	0	0	0	4	1	9	179
7:30 AM	0	138	24	12	115	0	0	0	0	1	0	14	304
7:45 AM	0	189	17	27	143	0	0	0	0	3	0	22	401
8:00 AM	1	148	13	20	141	0	1	0	0	5	0	24	353
8:15 AM	0	73	9	14	134	1	1	1	2	1	1	10	247
8:30 AM	0	52	13	9	47	0	0	0	1	3	0	12	137
8:45 AM	0	57	13	9	45	0	0	0	0	4	0	5	133
9:00 AM													
9:15 AM													
9:30 AM													
9:45 AM													
10:00 AM													
10:15 AM													
10:30 AM													
10:45 AM													
11:00 AM													
11:15 AM													
11:30 AM													
11:45 AM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	6	809	114	112	711	2	2	1	4	23	4	101	1889
Approach %	0.65	87.08	12.27	13.58	86.18	0.24	28.57	14.29	57.14	17.97	3.13	78.91	
App/Depart	929	/	912	825	/	738	7	/	227	128	/	12	

AM Peak Hr Begins at: 730 AM

PEAK													
Volumes	1	548	63	73	533	1	2	1	2	10	1	70	1305
Approach %	0.16	89.54	10.29	12.03	87.81	0.16	40.00	20.00	40.00	12.35	1.23	86.42	
PEAK HR. FACTOR:		0.743			0.893			0.313			0.698		0.814

CONTROL: 2-WAY STOP (EB & WB)
COMMENT 1: WEST LEG IS A SELF STORAGE DRIVEWAY
COMMENT 2:

Intersection Turning Movement

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

N-S STREET: MONROE ST. DATE: 11/18/10 LOCATION: RIVERSIDE

E-W STREET: DIANA AVE. DAY: THURSDAY PROJECT# 10-1161-011

	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	1	0	0	1	0	0	1	0	0	1	0	
1:00 PM													
1:15 PM													
1:30 PM													
1:45 PM													
2:00 PM													
2:15 PM													
2:30 PM													
2:45 PM													
3:00 PM													
3:15 PM													
3:30 PM													
3:45 PM													
4:00 PM	0	78	7	8	89	0	2	0	0	12	0	9	205
4:15 PM	0	59	9	18	74	0	0	0	0	16	0	5	181
4:30 PM	0	80	7	8	78	0	0	0	0	17	1	8	199
4:45 PM	0	90	1	8	77	1	4	0	0	9	0	12	202
5:00 PM	0	70	10	15	130	1	0	0	1	10	0	14	251
5:15 PM	0	91	4	11	77	0	0	0	0	11	0	13	207
5:30 PM	0	91	16	11	68	0	0	0	0	14	0	7	207
5:45 PM	0	82	5	8	82	0	0	0	0	14	0	11	202
6:00 PM													
6:15 PM													
6:30 PM													
6:45 PM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	0	641	59	87	675	2	6	0	1	103	1	79	1654
Approach %	0.00	91.57	8.43	11.39	88.35	0.26	85.71	0.00	14.29	56.28	0.55	43.17	
App/Depart	700	/	726	764	/	779	7	/	146	183	/	3	

PM Peak Hr Begins at: 500 PM

PEAK													
Volumes	0	334	35	45	357	1	0	0	1	49	0	45	867
Approach %	0.00	90.51	9.49	11.17	88.59	0.25	0.00	0.00	100.00	52.13	0.00	47.87	
PEAK HR. FACTOR:		0.862			0.690			0.250			0.940		0.864

CONTROL: 2-WAY STOP (EB & WB)
COMMENT 1: WEST LEG IS A SELF STORAGE DRIVEWAY
COMMENT 2: 0

2020 MASTER PLAN

CALIFORNIA BAPTIST UNIVERSITY

CITY OF RIVERSIDE

Volumes for: Tuesday, November 16, 2010 **City:** Riverside **Project#** 10-1162-001

Location : Monroe St. btwn. Diana Ave. & Magnolia Ave.

DAY 1

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	12		9					12:00	74		78				
00:15	19		10					12:15	54		88				
00:30	11		11					12:30	57		80				
00:45	11	53	3	33			86	12:45	58	243	87	333			576
01:00	10		1					13:00	65		75				
01:15	6		6					13:15	63		69				
01:30	6		8					13:30	52		65				
01:45	5	27	6	21			48	13:45	57	237	58	267			504
02:00	7		3					14:00	57		57				
02:15	7		3					14:15	58		74				
02:30	4		4					14:30	65		77				
02:45	5	23	0	10			33	14:45	69	249	70	278			527
03:00	8		6					15:00	77		78				
03:15	4		3					15:15	78		68				
03:30	5		4					15:30	104		105				
03:45	8	25	8	21			46	15:45	143	402	136	387			789
04:00	4		5					16:00	114		167				
04:15	5		3					16:15	88		115				
04:30	3		5					16:30	88		89				
04:45	4	16	5	18			34	16:45	86	376	63	434			810
05:00	4		2					17:00	88		91				
05:15	4		7					17:15	69		88				
05:30	12		6					17:30	85		93				
05:45	6	26	15	30			56	17:45	84	326	87	359			685
06:00	11		17					18:00	106		115				
06:15	11		19					18:15	120		78				
06:30	14		18					18:30	86		91				
06:45	26	62	20	74			136	18:45	83	395	91	375			770
07:00	24		21					19:00	92		67				
07:15	29		24					19:15	52		59				
07:30	40		41					19:30	54		37				
07:45	46	139	59	145			284	19:45	66	264	67	230			494
08:00	57		51					20:00	54		47				
08:15	70		98					20:15	44		34				
08:30	118		119					20:30	39		32				
08:45	130	375	131	399			774	20:45	39	176	39	152			328
09:00	90		80					21:00	49		36				
09:15	84		81					21:15	38		42				
09:30	60		46					21:30	53		40				
09:45	66	300	46	253			553	21:45	46	186	28	146			332
10:00	46		33					22:00	34		30				
10:15	59		45					22:15	29		21				
10:30	58		57					22:30	23		26				
10:45	57	220	58	193			413	22:45	30	116	18	95			211
11:00	59		45					23:00	25		29				
11:15	63		40					23:15	32		15				
11:30	66		44					23:30	17		12				
11:45	60	248	41	170			418	23:45	10	84	9	65			149
Total Vol.		1514		1367			**2881**			3054		3121			**6175**

Daily Totals

NB	SB	EB	WB	Combined
4568	4488			**9056**

	AM			PM		
Split %	52.6%	47.4%	**31.8%**	49.5%	50.5%	**68.2%**
Peak Hour	08:30	08:15	**08:15**	15:30	15:30	**15:30**
Volume	422	428	**836**	449	523	**972**
P.H.F.	0.81	0.82	**0.80**	0.78	0.78	**0.86**

Volumes for: Wednesday, November 17, 2010 **City:** Riverside **Project#** 10-1162-001

Location : Monroe St. btwn. Diana Ave. & Magnolia Ave.

DAY 2

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	11		9					12:00	39		50				
00:15	12		8					12:15	48		36				
00:30	15		11					12:30	48		40				
00:45	11	49	6	34			83	12:45	51	186	52	178			364
01:00	10		5					13:00	56		58				
01:15	9		6					13:15	54		52				
01:30	5		4					13:30	44		42				
01:45	3	27	5	20			47	13:45	52	206	57	209			415
02:00	6		1					14:00	50		70				
02:15	3		1					14:15	54		65				
02:30	0		1					14:30	54		82				
02:45	2	11	2	5			16	14:45	70	228	43	260			488
03:00	2		1					15:00	53		42				
03:15	3		1					15:15	59		72				
03:30	1		3					15:30	91		92				
03:45	4	10	0	5			15	15:45	146	349	128	334			683
04:00	4		2					16:00	129		173				
04:15	5		2					16:15	92		103				
04:30	4		5					16:30	79		84				
04:45	0	13	3	12			25	16:45	93	393	101	461			854
05:00	5		3					17:00	82		87				
05:15	8		7					17:15	70		92				
05:30	6		9					17:30	98		87				
05:45	12	31	11	30			61	17:45	92	342	108	374			716
06:00	18		14					18:00	98		112				
06:15	9		13					18:15	110		78				
06:30	20		25					18:30	97		65				
06:45	22	69	17	69			138	18:45	75	380	86	341			721
07:00	29		33					19:00	75		100				
07:15	26		35					19:15	65		59				
07:30	40		45					19:30	63		54				
07:45	54	149	77	190			339	19:45	57	260	44	257			517
08:00	67		64					20:00	54		49				
08:15	91		90					20:15	50		29				
08:30	142		140					20:30	57		41				
08:45	182	482	184	478			960	20:45	42	203	36	155			358
09:00	148		150					21:00	46		39				
09:15	79		119					21:15	37		30				
09:30	63		55					21:30	24		33				
09:45	72	362	47	371			733	21:45	30	137	31	133			270
10:00	49		48					22:00	30		38				
10:15	45		52					22:15	37		23				
10:30	56		45					22:30	29		31				
10:45	48	198	46	191			389	22:45	18	114	14	106			220
11:00	42		46					23:00	26		18				
11:15	38		27					23:15	21		12				
11:30	56		41					23:30	23		14				
11:45	45	181	33	147			328	23:45	16	86	10	54			140
Total Vol.		1582		1552			**3134**			2884		2862			**5746**

Daily Totals

NB	SB	EB	WB	Combined
4466	4414			**8880**

	AM			PM		
Split %	50.5%	49.5%	**35.3%**	50.2%	49.8%	**64.7%**
Peak Hour	08:15	08:30	**08:30**	15:30	15:30	**15:30**
Volume	563	593	**1144**	458	496	**954**
P.H.F.	0.77	0.81	**0.78**	0.78	0.72	**0.79**

Volumes for: Tuesday, November 16, 2010 & Wednesday, November 17, 2010
Location : Monroe St. btwn. Diana Ave. & Magnolia Ave.

City: Riverside

Project# 10-1162-001

2-DAY AVERAGE

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
00:00	12		9		0		0			12:00	57		64		0		0		
00:15	16		9		0		0			12:15	51		62		0		0		
00:30	13		11		0		0			12:30	53		60		0		0		
00:45	11	51	5	34	0	0	0	0	85	12:45	55	215	70	256	0	0	0	0	470
01:00	10		3		0		0			13:00	61		67		0		0		
01:15	8		6		0		0			13:15	59		61		0		0		
01:30	6		6		0		0			13:30	48		54		0		0		
01:45	4	27	6	21	0	0	0	0	48	13:45	55	222	58	238	0	0	0	0	460
02:00	7		2		0		0			14:00	54		64		0		0		
02:15	5		2		0		0			14:15	56		70		0		0		
02:30	2		3		0		0			14:30	60		80		0		0		
02:45	4	17	1	8	0	0	0	0	25	14:45	70	239	57	269	0	0	0	0	508
03:00	5		4		0		0			15:00	65		60		0		0		
03:15	4		2		0		0			15:15	69		70		0		0		
03:30	3		4		0		0			15:30	98		99		0		0		
03:45	6	18	4	13	0	0	0	0	31	15:45	145	376	132	361	0	0	0	0	736
04:00	4		4		0		0			16:00	122		170		0		0		
04:15	5		3		0		0			16:15	90		109		0		0		
04:30	4		5		0		0			16:30	84		87		0		0		
04:45	2	15	4	15	0	0	0	0	30	16:45	90	385	82	448	0	0	0	0	832
05:00	5		3		0		0			17:00	85		89		0		0		
05:15	6		7		0		0			17:15	70		90		0		0		
05:30	9		8		0		0			17:30	92		90		0		0		
05:45	9	29	13	30	0	0	0	0	59	17:45	88	334	98	367	0	0	0	0	701
06:00	15		16		0		0			18:00	102		114		0		0		
06:15	10		16		0		0			18:15	115		78		0		0		
06:30	17		22		0		0			18:30	92		78		0		0		
06:45	24	66	19	72	0	0	0	0	137	18:45	79	388	89	358	0	0	0	0	746
07:00	27		27		0		0			19:00	84		84		0		0		
07:15	28		30		0		0			19:15	59		59		0		0		
07:30	40		43		0		0			19:30	59		46		0		0		
07:45	50	144	68	168	0	0	0	0	312	19:45	62	262	56	244	0	0	0	0	506
08:00	62		58		0		0			20:00	54		48		0		0		
08:15	81		94		0		0			20:15	47		32		0		0		
08:30	130		130		0		0			20:30	48		37		0		0		
08:45	156	429	158	439	0	0	0	0	867	20:45	41	190	38	154	0	0	0	0	343
09:00	119		115		0		0			21:00	48		38		0		0		
09:15	82		100		0		0			21:15	38		36		0		0		
09:30	62		51		0		0			21:30	39		37		0		0		
09:45	69	331	47	312	0	0	0	0	643	21:45	38	162	30	140	0	0	0	0	301
10:00	48		41		0		0			22:00	32		34		0		0		
10:15	52		49		0		0			22:15	33		22		0		0		
10:30	57		51		0		0			22:30	26		29		0		0		
10:45	53	209	52	192	0	0	0	0	401	22:45	24	115	16	101	0	0	0	0	216
11:00	51		46		0		0			23:00	26		24		0		0		
11:15	51		34		0		0			23:15	27		14		0		0		
11:30	61		43		0		0			23:30	20		13		0		0		
11:45	53	215	37	159	0	0	0	0	373	23:45	13	85	10	60	0	0	0	0	145
Total Vol.		1548		1460					3008			2969		2992					5961

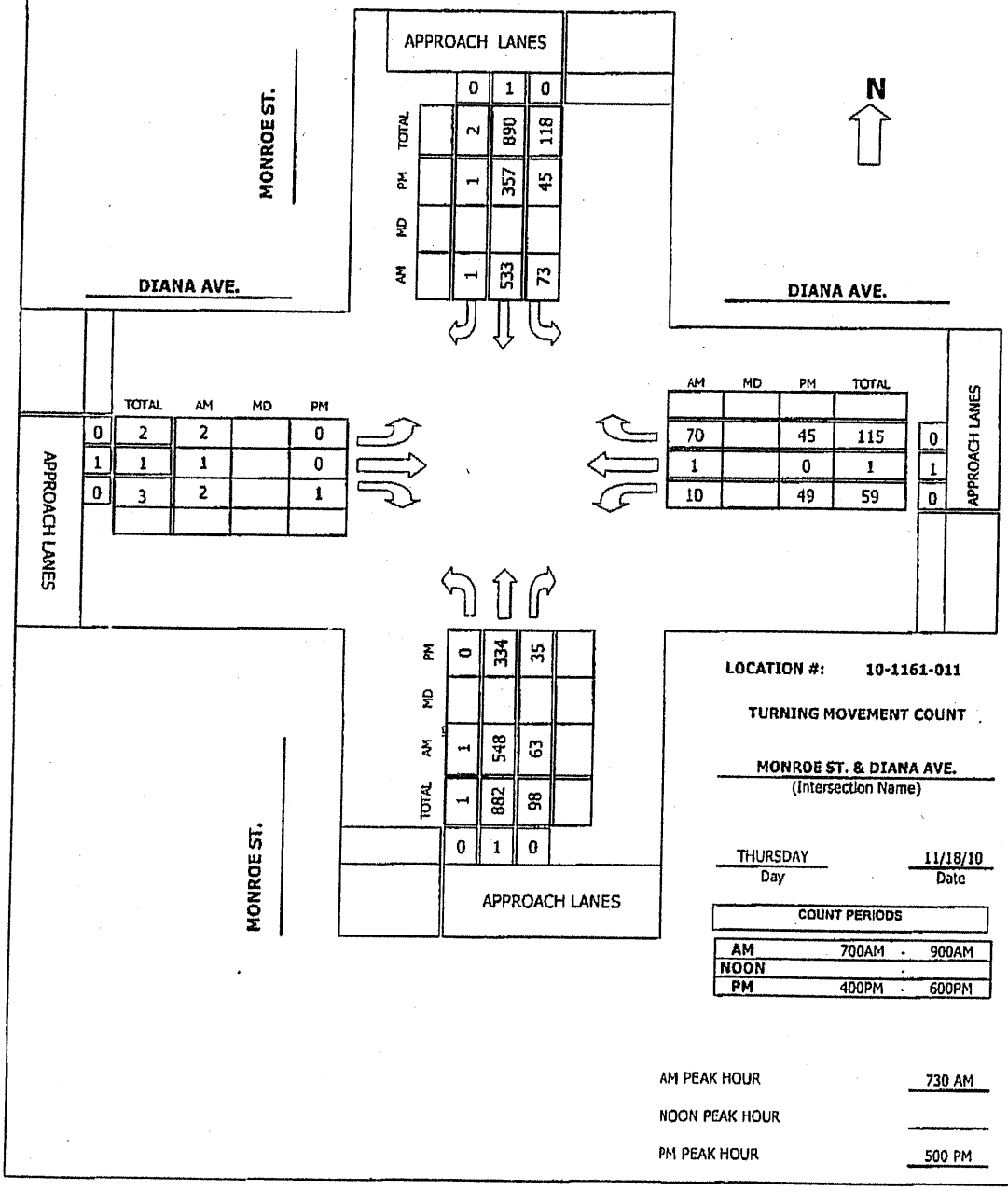
	Daily Totals		
	NB	SB	Combined
	4517	4451	8968
	AM		PM
Split %	51.5%	48.5%	33.5%	49.8%	50.2%	66.5%
Peak Hour	08:30	08:30	08:30	15:30	15:30	15:30
Volume	487	502	989	454	510	963
P.H.F.	0.78	0.80	0.79	0.78	0.75	0.83

Intersection Turning Movement
Prepared by:

FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745

Project #: 10-1161-011

TMC SUMMARY OF MONROE ST. & DIANA AVE.



LOCATION #: 10-1161-011

TURNING MOVEMENT COUNT

MONROE ST. & DIANA AVE.
(Intersection Name)

THURSDAY (Day) 11/18/10 (Date)

COUNT PERIODS		
AM	700AM	900AM
NOON		
PM	400PM	600PM

AM PEAK HOUR 730 AM

NOON PEAK HOUR

PM PEAK HOUR 500 PM

Volumes for: Wednesday, November 17, 2010 **City:** Riverside **Project#** 10-1162-007

Location : Diana Ave. btwn. Adams St. & Campus View

DAY 1

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		8			12:00			24		42		
00:15			0		2			12:15			28		54		
00:30			0		4			12:30			32		28		
00:45			0	1	1	15	16	12:45			35	119	32	156	275
01:00			1		5			13:00			39		30		
01:15			2		2			13:15			20		33		
01:30			1		6			13:30			22		39		
01:45			4	8	3	16	24	13:45			26	107	24	126	233
02:00			1		2			14:00			24		28		
02:15			0		5			14:15			28		42		
02:30			1		2			14:30			32		54		
02:45			2	4	1	10	14	14:45			35	119	35	159	278
03:00			1		4			15:00			33		33		
03:15			4		1			15:15			29		29		
03:30			1		5			15:30			37		37		
03:45			5	11	2	12	23	15:45			53	152	37	136	288
04:00			2		3			16:00			39		34		
04:15			3		2			16:15			39		39		
04:30			2		5			16:30			26		29		
04:45			5	12	0	10	22	16:45			30	134	43	145	279
05:00			8		1			17:00			32		32		
05:15			5		4			17:15			36		37		
05:30			7		1			17:30			47		34		
05:45			11	31	5	11	42	17:45			37	152	24	127	279
06:00			10		8			18:00			42		38		
06:15			14		19			18:15			34		42		
06:30			16		16			18:30			45		44		
06:45			13	53	21	64	117	18:45			33	154	41	165	319
07:00			18		28			19:00			39		39		
07:15			21		24			19:15			33		24		
07:30			28		26			19:30			23		33		
07:45			24	91	33	111	202	19:45			39	134	24	120	254
08:00			26		54			20:00			38		19		
08:15			33		74			20:15			19		21		
08:30			30		78			20:30			21		32		
08:45			32	121	55	261	382	20:45			16	94	10	82	176
09:00			28		59			21:00			14		23		
09:15			24		63			21:15			18		18		
09:30			21		66			21:30			12		17		
09:45			25	98	60	248	346	21:45			15	59	13	71	130
10:00			24		54			22:00			5		7		
10:15			21		42			22:15			3		11		
10:30			14		39			22:30			6		14		
10:45			18	77	35	170	247	22:45			2	16	15	47	63
11:00			21		32			23:00			9		11		
11:15			14		28			23:15			3		13		
11:30			19		24			23:30			1		7		
11:45			13	67	41	125	192	23:45			2	15	7	38	53
Total Vol.				574		1053	**1627**					1255		1372	**2627**

Daily Totals

NB	SB	EB	WB	Combined
		1829	2425	**4254**

Split %	AM			PM		
	35.3%	64.7%	**38.2%**	47.8%	52.2%	**61.8%**
Peak Hour	08:15	08:15	**08:15**	15:30	18:15	**18:00**
Volume	123	266	**389**	168	166	**319**
P.H.F.	0.93	0.85	**0.90**	0.79	0.94	**0.90**

Volumes for: Thursday, November 18, 2010 **City:** Riverside **Project#** 10-1162-007

Location : Diana Ave. btwn. Adams St. & Campus View

DAY 2

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		4			12:00			31		34		
00:15			0		6			12:15			16		32		
00:30			1		3			12:30			27		48		
00:45			3	4	6	19	23	12:45			26	100	30	144	244
01:00			3		5			13:00			28		30		
01:15			3		5			13:15			31		39		
01:30			1		3			13:30			33		39		
01:45			0	7	0	13	20	13:45			28	120	35	143	263
02:00			0		2			14:00			22		30		
02:15			2		3			14:15			29		27		
02:30			0		0			14:30			35		55		
02:45			1	3	2	7	10	14:45			36	122	36	148	270
03:00			2		2			15:00			28		16		
03:15			2		1			15:15			23		38		
03:30			1		0			15:30			32		28		
03:45			0	5	1	4	9	15:45			35	118	53	135	253
04:00			2		0			16:00			51		41		
04:15			4		1			16:15			28		26		
04:30			3		2			16:30			33		33		
04:45			2	11	1	4	15	16:45			38	150	49	149	299
05:00			4		3			17:00			35		28		
05:15			8		3			17:15			34		32		
05:30			10		2			17:30			36		29		
05:45			9	31	2	10	41	17:45			24	129	22	111	240
06:00			19		1			18:00			44		31		
06:15			11		14			18:15			37		40		
06:30			14		14			18:30			42		35		
06:45			11	55	18	47	102	18:45			33	156	34	140	296
07:00			9		10			19:00			24		27		
07:15			18		24			19:15			25		32		
07:30			21		28			19:30			24		19		
07:45			14	62	24	86	148	19:45			27	100	32	110	210
08:00			24		27			20:00			24		21		
08:15			26		45			20:15			14		21		
08:30			26		75			20:30			20		21		
08:45			29	105	84	231	336	20:45			10	68	19	82	150
09:00			28		59			21:00			16		25		
09:15			21		48			21:15			14		14		
09:30			21		50			21:30			4		9		
09:45			13	83	32	189	272	21:45			13	47	16	64	111
10:00			20		37			22:00			9		12		
10:15			22		53			22:15			4		13		
10:30			23		44			22:30			6		16		
10:45			15	80	23	157	237	22:45			5	24	7	48	72
11:00			15		26			23:00			4		10		
11:15			10		24			23:15			7		12		
11:30			16		37			23:30			3		8		
11:45			21	62	43	130	192	23:45			6	20	6	36	56
Total Vol.				508		897	**1405**					1154		1310	**2464**

Daily Totals

NB	SB	EB	WB	Combined
		1662	2207	3869

	AM			PM		
Split %	36.2%	63.8%	**36.3%**	46.8%	53.2%	**63.7%**
Peak Hour	08:15	08:30	**08:15**	18:00	15:15	**15:15**
Volume	109	266	**372**	156	160	**301**
P.H.F.	0.91	0.79	**0.82**	0.89	0.75	**0.82**

Volumes for: Wednesday, November 17, 2010 & Thursday, November 18, 2010
Location : Diana Ave. btwn. Adams St. & Campus View

City: Riverside

Project# 10-1162-007

2-DAY AVERAGE

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
00:00	0		0		1		6			12:00	0		0		28		38		
00:15	0		0		0		4			12:15	0		0		22		43		
00:30	0		0		1		4			12:30	0		0		30		38		
00:45	0	0	0	0	2	3	4	17	20	12:45	0	0	0	0	31	110	31	150	260
01:00	0		0		2		5			13:00	0		0		34		30		
01:15	0		0		3		4			13:15	0		0		26		36		
01:30	0		0		1		5			13:30	0		0		28		39		
01:45	0	0	0	0	2	8	2	15	22	13:45	0	0	0	0	27	114	30	135	248
02:00	0		0		1		2			14:00	0		0		23		29		
02:15	0		0		1		4			14:15	0		0		29		35		
02:30	0		0		1		1			14:30	0		0		34		55		
02:45	0	0	0	0	2	4	2	9	12	14:45	0	0	0	0	36	121	36	154	274
03:00	0		0		2		3			15:00	0		0		31		25		
03:15	0		0		3		1			15:15	0		0		26		34		
03:30	0		0		1		3			15:30	0		0		35		33		
03:45	0	0	0	0	3	8	2	8	16	15:45	0	0	0	0	44	135	45	136	271
04:00	0		0		2		2			16:00	0		0		45		38		
04:15	0		0		4		2			16:15	0		0		34		33		
04:30	0		0		3		4			16:30	0		0		30		31		
04:45	0	0	0	0	4	12	1	7	19	16:45	0	0	0	0	34	142	46	147	289
05:00	0		0		6		2			17:00	0		0		34		30		
05:15	0		0		7		4			17:15	0		0		35		35		
05:30	0		0		9		2			17:30	0		0		42		32		
05:45	0	0	0	0	10	31	4	11	42	17:45	0	0	0	0	31	141	23	119	260
06:00	0		0		15		5			18:00	0		0		43		35		
06:15	0		0		13		17			18:15	0		0		36		41		
06:30	0		0		15		15			18:30	0		0		44		40		
06:45	0	0	0	0	12	54	20	56	110	18:45	0	0	0	0	33	155	38	153	308
07:00	0		0		14		19			19:00	0		0		32		33		
07:15	0		0		20		24			19:15	0		0		29		28		
07:30	0		0		25		27			19:30	0		0		24		26		
07:45	0	0	0	0	19	77	29	99	175	19:45	0	0	0	0	33	117	28	115	232
08:00	0		0		25		41			20:00	0		0		31		20		
08:15	0		0		30		60			20:15	0		0		17		21		
08:30	0		0		28		77			20:30	0		0		21		27		
08:45	0	0	0	0	31	113	70	246	359	20:45	0	0	0	0	13	81	15	82	163
09:00	0		0		28		59			21:00	0		0		15		24		
09:15	0		0		23		56			21:15	0		0		16		16		
09:30	0		0		21		58			21:30	0		0		8		13		
09:45	0	0	0	0	19	91	46	219	309	21:45	0	0	0	0	14	53	15	68	121
10:00	0		0		22		46			22:00	0		0		7		10		
10:15	0		0		22		48			22:15	0		0		4		12		
10:30	0		0		19		42			22:30	0		0		6		15		
10:45	0	0	0	0	17	79	29	164	242	22:45	0	0	0	0	4	20	11	48	68
11:00	0		0		18		29			23:00	0		0		7		11		
11:15	0		0		12		26			23:15	0		0		5		13		
11:30	0		0		18		31			23:30	0		0		2		8		
11:45	0	0	0	0	17	65	42	128	192	23:45	0	0	0	0	4	18	7	37	55
Total Vol.						541		975	**1516**							1205		1341	**2546**

			Daily Totals	
	NB	SB		Combin
			1746	2316	4062
	AM		**PM**	
Split %	35.7%	64.3% **37.3%**	47.3%	52.7%	**62.7%**
Peak Hour	08:15	08:15 **08:15**	15:30	14:00	**18:00**
Volume	116	265 **381**	157	154	**308**
P.H.F.	0.95	0.86 **0.91**	0.87	0.70	**0.93**

Volumes for: Wednesday, November 17, 2010 **City:** Riverside **Project#** 10-1162-008

Location : Diana Ave. btwn. Campus View & Monroe St.

DAY 1

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		4			12:00			15		9		
00:15			1		5			12:15			14		12		
00:30			1		2			12:30			11		14		
00:45			2	5	3	14	19	12:45			7	47	18	53	100
01:00			1		1			13:00			8		22		
01:15			3		1			13:15			10		20		
01:30			1		1			13:30			11		24		
01:45			0	5	0	3	8	13:45			16	45	21	87	132
02:00			0		2			14:00			15		17		
02:15			0		1			14:15			18		15		
02:30			0		2			14:30			17		16		
02:45			1	1	5	10	11	14:45			15	65	13	61	126
03:00			5		4			15:00			13		21		
03:15			0		1			15:15			19		22		
03:30			3		4			15:30			21		20		
03:45			4	12	3	12	24	15:45			25	78	28	91	169
04:00			1		0			16:00			25		23		
04:15			3		1			16:15			33		31		
04:30			6		0			16:30			19		23		
04:45			2	12	1	2	14	16:45			27	104	29	106	210
05:00			5		1			17:00			26		17		
05:15			9		2			17:15			21		22		
05:30			9		4			17:30			19		29		
05:45			14	37	3	10	47	17:45			27	93	19	87	180
06:00			16		0			18:00			23		32		
06:15			8		1			18:15			29		32		
06:30			17		1			18:30			26		29		
06:45			7	48	8	10	58	18:45			28	106	19	112	218
07:00			9		4			19:00			22		26		
07:15			8		4			19:15			20		17		
07:30			21		6			19:30			19		24		
07:45			24	62	19	33	95	19:45			17	78	18	85	163
08:00			20		9			20:00			10		19		
08:15			24		18			20:15			18		16		
08:30			32		30			20:30			6		20		
08:45			65	141	35	92	233	20:45			9	41	15	70	111
09:00			31		17			21:00			7		19		
09:15			20		15			21:15			9		16		
09:30			20		6			21:30			12		17		
09:45			26	97	16	54	151	21:45			10	38	11	53	101
10:00			10		17			22:00			5		6		
10:15			20		15			22:15			4		11		
10:30			8		7			22:30			7		14		
10:45			11	49	14	53	102	22:45			4	20	15	46	66
11:00			10		11			23:00			10		11		
11:15			14		7			23:15			3		10		
11:30			15		18			23:30			0		8		
11:45			13	52	15	51	103	23:45			2	15	7	36	51
Total Vol.				521		344	**865**					730		897	**1627**

Daily Totals

NB	SB	EB	WB	Combined
		1251	1241	2492

	AM			PM		
Split %	60.2%	39.8%	**34.7%**	44.9%	55.1%	**65.3%**
Peak Hour	08:15	08:15	**08:15**	18:00	17:30	**18:00**
Volume	152	100	**252**	106	112	**218**
P.H.F.	0.58	0.71	**0.63**	0.91	0.88	**0.89**

Volumes for: Thursday, November 18, 2010 **City:** Riverside **Project#** 10-1162-008

Location : Diana Ave. btwn. Campus View & Monroe St.

DAY 2

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		4			12:00			15		17		
00:15			1		6			12:15			8		10		
00:30			3		3			12:30			19		27		
00:45			3	8	5	18	26	12:45			16	58	15	69	127
01:00			2		5			13:00			18		21		
01:15			4		5			13:15			18		19		
01:30			0		3			13:30			17		17		
01:45			0	6	0	13	19	13:45			17	70	22	79	149
02:00			1		2			14:00			14		19		
02:15			1		3			14:15			18		17		
02:30			0		0			14:30			22		33		
02:45			1	3	0	5	8	14:45			15	69	16	85	154
03:00			1		2			15:00			11		13		
03:15			2		1			15:15			14		23		
03:30			1		0			15:30			17		22		
03:45			0	4	1	4	8	15:45			25	67	42	100	167
04:00			2		0			16:00			33		25		
04:15			4		1			16:15			14		23		
04:30			3		2			16:30			19		16		
04:45			2	11	1	4	15	16:45			28	94	28	92	186
05:00			4		3			17:00			19		19		
05:15			10		2			17:15			25		27		
05:30			8		2			17:30			12		25		
05:45			10	32	2	9	41	17:45			13	69	24	95	164
06:00			19		1			18:00			20		28		
06:15			10		3			18:15			20		26		
06:30			14		5			18:30			22		32		
06:45			12	55	7	16	71	18:45			15	77	15	101	178
07:00			9		2			19:00			16		19		
07:15			18		7			19:15			24		27		
07:30			17		8			19:30			20		18		
07:45			13	57	10	27	84	19:45			21	81	26	90	171
08:00			23		7			20:00			6		13		
08:15			27		25			20:15			14		15		
08:30			35		29			20:30			13		13		
08:45			51	136	29	90	226	20:45			8	41	11	52	93
09:00			28		36			21:00			8		22		
09:15			22		13			21:15			7		10		
09:30			25		13			21:30			6		10		
09:45			18	93	11	73	166	21:45			8	29	15	57	86
10:00			24		13			22:00			5		11		
10:15			26		8			22:15			3		13		
10:30			12		15			22:30			7		16		
10:45			16	78	11	47	125	22:45			6	21	6	46	67
11:00			9		5			23:00			3		10		
11:15			11		17			23:15			5		7		
11:30			10		15			23:30			2		7		
11:45			16	46	11	48	94	23:45			5	15	6	30	45
Total Vol.				529		354	**883**					691		896	**1587**

			Daily Totals		
	NB	SB	EB	WB	Combine
			1220	1250	2470

	AM			PM		
Split %	59.9%	40.1%	**35.7%**	43.5%	56.5%	**64.3%**
Peak Hour	08:15	08:15	**08:15**	16 00	15:15	**15:15**
Volume	141	119	**260**	94	112	**201**
P.H.F.	0.69	0.83	**0.81**	0.71	0.67	**0.75**

Volumes for: Wednesday, November 17, 2010 & Thursday, November 18, 2010 **City:** Riverside **Project#** 10-1162-008

Location : Diana Ave. btwn. Campus View & Monroe St.

2-DAY AVERAGE

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
00:00	0		0		1		4			12:00	0		0		15		13		
00:15	0		0		1		6			12:15	0		0		11		11		
00:30	0		0		2		3			12:30	0		0		15		21		
00:45	0	0	0	0	3	7	4	16	23	12:45	0	0	0	0	12	53	17	61	114
01:00	0		0		2		3			13:00	0		0		13		22		
01:15	0		0		4		3			13:15	0		0		14		20		
01:30	0		0		1		2			13:30	0		0		14		21		
01:45	0	0	0	0	0	6	0	8	14	13:45	0	0	0	0	17	58	22	83	141
02:00	0		0		1		2			14:00	0		0		15		18		
02:15	0		0		1		2			14:15	0		0		18		16		
02:30	0		0		0		1			14:30	0		0		20		25		
02:45	0	0	0	0	1	2	3	8	10	14:45	0	0	0	0	15	67	15	73	140
03:00	0		0		3		3			15:00	0		0		12		17		
03:15	0		0		1		1			15:15	0		0		17		23		
03:30	0		0		2		2			15:30	0		0		19		21		
03:45	0	0	0	0	2	8	2	8	16	15:45	0	0	0	0	25	73	35	96	168
04:00	0		0		2		0			16:00	0		0		29		24		
04:15	0		0		4		1			16:15	0		0		24		27		
04:30	0		0		5		1			16:30	0		0		19		20		
04:45	0	0	0	0	2	12	1	3	15	16:45	0	0	0	0	28	99	29	99	198
05:00	0		0		5		2			17:00	0		0		23		18		
05:15	0		0		10		2			17:15	0		0		23		25		
05:30	0		0		9		3			17:30	0		0		16		27		
05:45	0	0	0	0	12	35	3	10	44	17:45	0	0	0	0	20	81	22	91	172
06:00	0		0		18		1			18:00	0		0		22		30		
06:15	0		0		9		2			18:15	0		0		25		29		
06:30	0		0		16		3			18:30	0		0		24		31		
06:45	0	0	0	0	10	52	8	13	65	18:45	0	0	0	0	22	92	17	107	198
07:00	0		0		9		3			19:00	0		0		19		23		
07:15	0		0		13		6			19:15	0		0		22		22		
07:30	0		0		19		7			19:30	0		0		20		21		
07:45	0	0	0	0	19	60	15	30	90	19:45	0	0	0	0	19	80	22	88	167
08:00	0		0		22		8			20:00	0		0		8		16		
08:15	0		0		26		22			20:15	0		0		15		16		
08:30	0		0		34		30			20:30	0		0		10		17		
08:45	0	0	0	0	58	139	32	91	230	20:45	0	0	0	0	9	41	13	61	102
09:00	0		0		30		27			21:00	0		0		8		21		
09:15	0		0		21		14			21:15	0		0		8		13		
09:30	0		0		23		10			21:30	0		0		9		14		
09:45	0	0	0	0	22	95	14	64	159	21:45	0	0	0	0	9	34	13	60	94
10:00	0		0		17		15			22:00	0		0		5		9		
10:15	0		0		23		12			22:15	0		0		4		12		
10:30	0		0		10		11			22:30	0		0		7		15		
10:45	0	0	0	0	14	64	13	50	114	22:45	0	0	0	0	5	21	11	46	67
11:00	0		0		10		8			23:00	0		0		7		11		
11:15	0		0		13		12			23:15	0		0		4		9		
11:30	0		0		13		17			23:30	0		0		1		8		
11:45	0	0	0	0	15	49	13	50	99	23:45	0	0	0	0	4	15	7	33	48
Total Vol.						525		349	**874**							711		897	**1607**

	Daily Totals		
	NB	SB	Combined
	1236	1246	**2481**

	AM			PM		
Split %	60.1%	39.9%	**35.2%**	44.2%	55.8%	**64.8%**
Peak Hour	08:15	08:15	**08:15**	16:00	17:45	**15:30**
Volume	147	110	**256**	99	111	**204**
P.H.F.	0.63	0.86	**0.71**	0.85	0.91	**0.85**

Volumes for: Wednesday, December 01, 2010 **City:** Riverside **Project#** 10-1162-009

Location : Campus View north of Diana Ave.

DAY 1

AM Period	NB		SB		EB	WB	PM Period	NB		SB		EB	WB	
00:00	0		0				12:00	18		23				
00:15	0		0				12:15	23		24				
00:30	0		0				12:30	16		37				
00:45	0	0	0	0			12:45	23	80	31	115			195
01:00	0		0				13:00	17		37				
01:15	0		0				13:15	26		39				
01:30	0		0				13:30	9		23				
01:45	0	0	0	0			13:45	21	73	43	142			215
02:00	0		0				14:00	11		50				
02:15	0		0				14:15	17		24				
02:30	0		0				14:30	13		38				
02:45	0	0	0	0			14:45	24	65	44	156			221
03:00	0		0				15:00	15		31				
03:15	0		0				15:15	22		35				
03:30	0		0				15:30	23		24				
03:45	0	0	0	0			15:45	23	83	32	122			205
04:00	0		0				16:00	20		36				
04:15	0		0				16:15	19		31				
04:30	0		0				16:30	31		31				
04:45	0	0	0	0			16:45	12	82	24	122			204
05:00	0		0				17:00	10		41				
05:15	0		0				17:15	26		34				
05:30	3		0				17:30	25		30				
05:45	8	11	3	3		14	17:45	43	104	21	126			230
06:00	3		3				18:00	30		25				
06:15	7		5				18:15	21		24				
06:30	10		3				18:30	13		23				
06:45	26	46	12	23		69	18:45	17	81	21	93			174
07:00	14		3				19:00	19		43				
07:15	16		10				19:15	6		13				
07:30	47		6				19:30	10		10				
07:45	73	150	5	24		174	19:45	7	42	16	82			124
08:00	49		9				20:00	8		23				
08:15	24		7				20:15	11		16				
08:30	43		11				20:30	4		5				
08:45	60	176	11	38		214	20:45	0	23	0	44			67
09:00	20		8				21:00	0		0				
09:15	18		11				21:15	0		0				
09:30	30		13				21:30	0		0				
09:45	57	125	19	51		176	21:45	0	0	0	0			
10:00	31		24				22:00	0		0				
10:15	10		11				22:15	0		0				
10:30	12		15				22:30	0		0				
10:45	37	90	28	78		168	22:45	0	0	0	0			
11:00	16		20				23:00	0		0				
11:15	9		11				23:15	0		0				
11:30	11		18				23:30	0		0				
11:45	17	53	37	86		139	23:45	0	0	0	0			
Total Vol.		651		303		954		633		1002				1635

Daily Totals

NB	SB	EB	WB	Combined
1284	1305			2589

Split %	AM			PM		
	68.2%	31.8%	36.8%	38.7%	61.3%	63.2%
Peak Hour	07:30	11:45	07:45	17:15	14:00	17:15
Volume	193	121	221	124	156	234
P.H.F.	0.66	0.82	0.71	0.72	0.78	0.91

Volumes for: Thursday, December 02, 2010 **City:** Riverside **Project#** 10-1162-009

Location : Campus View north of Diana Ave.

DAY 2

AM Period	NB		SB		EB	WB	PM Period	NB		SB		EB	WB	
00:00	0		0				12:00	20		24				
00:15	0		0				12:15	33		44				
00:30	0		0				12:30	24		39				
00:45	0	0	0	0			12:45	17	94	31	138			232
01:00	0		0				13:00	17		23				
01:15	0		0				13:15	17		17				
01:30	0		0				13:30	23		32				
01:45	0	0	0	0			13:45	30	87	34	106			193
02:00	0		0				14:00	14		26				
02:15	0		0				14:15	12		29				
02:30	0		0				14:30	20		40				
02:45	0	0	0	0			14:45	13	59	29	124			183
03:00	0		0				15:00	14		22				
03:15	0		0				15:15	24		19				
03:30	0		0				15:30	14		25				
03:45	0	0	0	0			15:45	20	72	22	88			160
04:00	0		0				16:00	34		23				
04:15	0		0				16:15	27		26				
04:30	0		0				16:30	14		24				
04:45	0	0	0	0			16:45	18	93	26	99			192
05:00	0		0				17:00	17		46				
05:15	0		0				17:15	23		28				
05:30	3		1				17:30	34		28				
05:45	2	5	1	2		7	17:45	29	103	27	129			232
06:00	1		1				18:00	16		25				
06:15	8		2				18:15	15		21				
06:30	3		6				18:30	23		11				
06:45	16	28	7	16		44	18:45	28	82	24	81			163
07:00	17		3				19:00	18		26				
07:15	24		8				19:15	5		15				
07:30	36		13				19:30	15		10				
07:45	62	139	17	41		180	19:45	15	53	11	62			115
08:00	41		10				20:00	6		24				
08:15	23		7				20:15	8		12				
08:30	23		16				20:30	1		10				
08:45	24	111	13	46		157	20:45	0	15	0	46			61
09:00	33		19				21:00	0		0				
09:15	56		25				21:15	0		0				
09:30	22		14				21:30	0		0				
09:45	19	130	10	68		198	21:45	0	0	0	0			
10:00	11		14				22:00	0		0				
10:15	17		22				22:15	0		0				
10:30	29		14				22:30	0		0				
10:45	44	101	30	80		181	22:45	0	0	0	0			
11:00	13		22				23:00	0		0				
11:15	13		15				23:15	0		0				
11:30	18		18				23:30	0		0				
11:45	15	59	26	81		140	23:45	0	0	0	0			
Total Vol.		573		334		907		658		873				1531

Daily Totals

NB	SB	EB	WB	Combined
1231	1207			2438

	AM			PM		
Split %	63.2%	36.8%	**37.2%**	43.0%	57.0%	**62.8%**
Peak Hour	07:15	11:45	**11:45**	17:00	12:00	**12:00**
Volume	163	133	**225**	103	138	**232**
P.H.F.	0.66	0.76	**0.73**	0.76	0.78	**0.75**

Volumes for: Wednesday, December 01, 2010 & Thursday, December 02, 2010
Location : Campus View north of Diana Ave.

City: Riverside

Project# 10-1162-009

2-DAY AVERAGE

AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
00:00	0		0		0		0			12:00	19		24		0		0		
00:15	0		0		0		0			12:15	28		34		0		0		
00:30	0		0		0		0			12:30	20		38		0		0		
00:45	0	0	0	0	0	0	0	0		12:45	20	87	31	127	0	0	0	0	214
01:00	0		0		0		0			13:00	17		30		0		0		
01:15	0		0		0		0			13:15	22		28		0		0		
01:30	0		0		0		0			13:30	16		28		0		0		
01:45	0	0	0	0	0	0	0	0		13:45	26	80	39	124	0	0	0	0	204
02:00	0		0		0		0			14:00	13		38		0		0		
02:15	0		0		0		0			14:15	15		27		0		0		
02:30	0		0		0		0			14:30	17		39		0		0		
02:45	0	0	0	0	0	0	0	0		14:45	19	62	37	140	0	0	0	0	202
03:00	0		0		0		0			15:00	15		27		0		0		
03:15	0		0		0		0			15:15	23		27		0		0		
03:30	0		0		0		0			15:30	19		25		0		0		
03:45	0	0	0	0	0	0	0	0		15:45	22	78	27	105	0	0	0	0	183
04:00	0		0		0		0			16:00	27		30		0		0		
04:15	0		0		0		0			16:15	23		29		0		0		
04:30	0		0		0		0			16:30	23		28		0		0		
04:45	0	0	0	0	0	0	0	0		16:45	15	88	25	111	0	0	0	0	198
05:00	0		0		0		0			17:00	14		44		0		0		
05:15	0		0		0		0			17:15	25		31		0		0		
05:30	3		1		0		0			17:30	30		29		0		0		
05:45	5	8	2	3	0	0	0	0	11	17:45	36	104	24	128	0	0	0	0	231
06:00	2		2		0		0			18:00	23		25		0		0		
06:15	8		4		0		0			18:15	18		23		0		0		
06:30	7		5		0		0			18:30	18		17		0		0		
06:45	21	37	10	20	0	0	0	0	57	18:45	23	82	23	87	0	0	0	0	169
07:00	16		3		0		0			19:00	19		35		0		0		
07:15	20		9		0		0			19:15	6		14		0		0		
07:30	42		10		0		0			19:30	13		10		0		0		
07:45	68	145	11	33	0	0	0	0	177	19:45	11	48	14	72	0	0	0	0	120
08:00	45		10		0		0			20:00	7		24		0		0		
08:15	24		7		0		0			20:15	10		14		0		0		
08:30	33		14		0		0			20:30	3		8		0		0		
08:45	42	144	12	42	0	0	0	0	186	20:45	0	19	0	45	0	0	0	0	64
09:00	27		14		0		0			21:00	0		0		0		0		
09:15	37		18		0		0			21:15	0		0		0		0		
09:30	26		14		0		0			21:30	0		0		0		0		
09:45	38	128	15	60	0	0	0	0	187	21:45	0	0	0	0	0	0	0	0	
10:00	21		19		0		0			22:00	0		0		0		0		
10:15	14		17		0		0			22:15	0		0		0		0		
10:30	21		15		0		0			22:30	0		0		0		0		
10:45	41	96	29	79	0	0	0	0	175	22:45	0	0	0	0	0	0	0	0	
11:00	15		21		0		0			23:00	0		0		0		0		
11:15	11		13		0		0			23:15	0		0		0		0		
11:30	15		18		0		0			23:30	0		0		0		0		
11:45	16	56	32	84	0	0	0	0	140	23:45	0	0	0	0	0	0	0	0	
Total Vol.		612		319					931			646		938					1583

	Daily Totals		
	NB	SB	Combined
	1258	1256	2514

	AM			PM		
Split %	65.8%	34.2%	37.0%	40.8%	59.2%	63.0%
Peak Hour	07:30	11:45	07:30	17:15	13:45	17:00
Volume	178	127	215	113	142	231
P.H.F.	0.66	0.84	0.68	0.78	0.91	0.96

Volumes for: Tuesday, January 25, 2011 **City:** Riverside **Project#** 11-1010-015

Location : Monroe St. btwn. Diana Ave. & Indiana Ave.

DAY 1

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	8		5					12:00	78		60				
00:15	9		1					12:15	70		66				
00:30	5		3					12:30	62		50				
00:45	5	27	2	11			38	12:45	63	273	72	248			521
01:00	7		2					13:00	78		41				
01:15	2		1					13:15	53		42				
01:30	3		2					13:30	62		60				
01:45	2	14	2	7			21	13:45	70	263	67	210			473
02:00	4		1					14:00	80		59				
02:15	4		1					14:15	90		78				
02:30	0		1					14:30	113		71				
02:45	3	11	0	3			14	14:45	177	460	131	339			799
03:00	4		1					15:00	192		214				
03:15	4		4					15:15	131		135				
03:30	3		3					15:30	102		91				
03:45	3	14	3	11			25	15:45	87	512	74	514			1026
04:00	3		0					16:00	113		104				
04:15	6		2					16:15	81		93				
04:30	17		7					16:30	94		82				
04:45	8	34	3	12			46	16:45	117	405	101	380			785
05:00	17		8					17:00	100		131				
05:15	14		7					17:15	104		110				
05:30	21		19					17:30	87		102				
05:45	24	76	12	46			122	17:45	95	386	88	431			817
06:00	34		24					18:00	81		75				
06:15	21		26					18:15	84		69				
06:30	40		48					18:30	72		60				
06:45	68	163	66	164			327	18:45	56	293	51	255			548
07:00	81		46					19:00	69		44				
07:15	97		56					19:15	54		28				
07:30	166		128					19:30	47		40				
07:45	240	584	151	381			965	19:45	41	211	36	148			359
08:00	195		137					20:00	36		42				
08:15	114		115					20:15	38		28				
08:30	70		46					20:30	28		34				
08:45	47	426	55	353			779	20:45	36	138	29	133			271
09:00	74		48					21:00	34		48				
09:15	62		41					21:15	28		38				
09:30	53		36					21:30	22		31				
09:45	50	239	35	160			399	21:45	17	101	21	138			239
10:00	54		34					22:00	19		18				
10:15	35		32					22:15	14		24				
10:30	65		48					22:30	24		12				
10:45	63	217	46	160			377	22:45	12	69	12	66			135
11:00	63		39					23:00	10		7				
11:15	57		52					23:15	6		14				
11:30	51		40					23:30	10		10				
11:45	64	235	54	185			420	23:45	11	37	6	37			74
Total Vol.		2040		1493			3533			3148		2899			6047

Daily Totals	NB	SB	EB	WB	Combine
	5188	4392			9580

	AM			PM		
Split %	57.7%	42.3%	**36.9%**	52.1%	47.9%	**63.1%**
Peak Hour	07:30	07:30	**07:30**	14:30	14:45	**14:45**
Volume	715	531	**1246**	613	571	**1173**
P.H.F.	0.74	0.88	**0.80**	0.80	0.67	**0.72**

Volumes for: Wednesday, January 26, 2011 **City:** Riverside **Project#** 11-1010-015

Location : Monroe St. btwn. Diana Ave. & Indiana Ave.

DAY 2

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	4		10					12:00	67		52				
00:15	4		2					12:15	50		66				
00:30	2		3					12:30	83		62				
00:45	3	13	5	20			33	12:45	85	285	62	242			527
01:00	3		4					13:00	95		81				
01:15	3		4					13:15	106		124				
01:30	2		2					13:30	75		66				
01:45	4	12	0	10			22	13:45	66	342	94	365			707
02:00	4		1					14:00	87		58				
02:15	3		0					14:15	106		101				
02:30	2		2					14:30	99		62				
02:45	3	12	4	7			19	14:45	130	422	119	340			762
03:00	5		2					15:00	112		119				
03:15	9		5					15:15	101		97				
03:30	3		1					15:30	89		79				
03:45	4	21	2	10			31	15:45	110	412	99	394			806
04:00	8		1					16:00	100		92				
04:15	9		2					16:15	97		110				
04:30	16		5					16:30	89		78				
04:45	11	44	4	12			56	16:45	104	390	94	374			764
05:00	22		4					17:00	119		121				
05:15	12		8					17:15	134		112				
05:30	17		17					17:30	80		100				
05:45	35	86	20	49			135	17:45	91	424	100	433			857
06:00	19		21					18:00	84		91				
06:15	21		33					18:15	87		67				
06:30	44		41					18:30	60		47				
06:45	64	148	55	150			298	18:45	66	297	50	255			552
07:00	74		45					19:00	66		61				
07:15	103		65					19:15	54		46				
07:30	147		127					19:30	46		33				
07:45	258	582	162	399			981	19:45	56	222	30	170			392
08:00	219		140					20:00	33		31				
08:15	119		126					20:15	46		37				
08:30	73		57					20:30	25		31				
08:45	55	466	36	359			825	20:45	27	131	44	143			274
09:00	48		43					21:00	40		32				
09:15	69		46					21:15	33		23				
09:30	68		46					21:30	23		24				
09:45	58	243	32	167			410	21:45	16	112	16	95			207
10:00	40		44					22:00	18		24				
10:15	70		48					22:15	20		19				
10:30	52		46					22:30	15		12				
10:45	63	225	46	184			409	22:45	17	70	11	66			136
11:00	66		52					23:00	10		7				
11:15	74		48					23:15	8		12				
11:30	70		60					23:30	11		8				
11:45	65	275	56	216			491	23:45	8	37	9	36			73
Total Vol.		2127		1583			**3710**		3144		2913				**6057**

Daily Totals

NB	SB	EB	WB	Combined
5271	4496			**9767**

	AM			PM		
Split %	57.3%	42.7%	**38.0%**	51.9%	48.1%	**62.0%**
Peak Hour	07:30	07:30	**07:30**	14:15	17:00	**16:45**
Volume	743	555	**1298**	447	433	**864**
P.H.F.	0.72	0.86	**0.77**	0.86	0.89	**0.88**

Volumes for: Tuesday, January 25, 2011 & Wednesday, January 26, 2011 **City:** Riverside **Project#** 11-1010-015

Location : Monroe St. btwn. Diana Ave. & Indiana Ave.

2-DAY AVERAGE

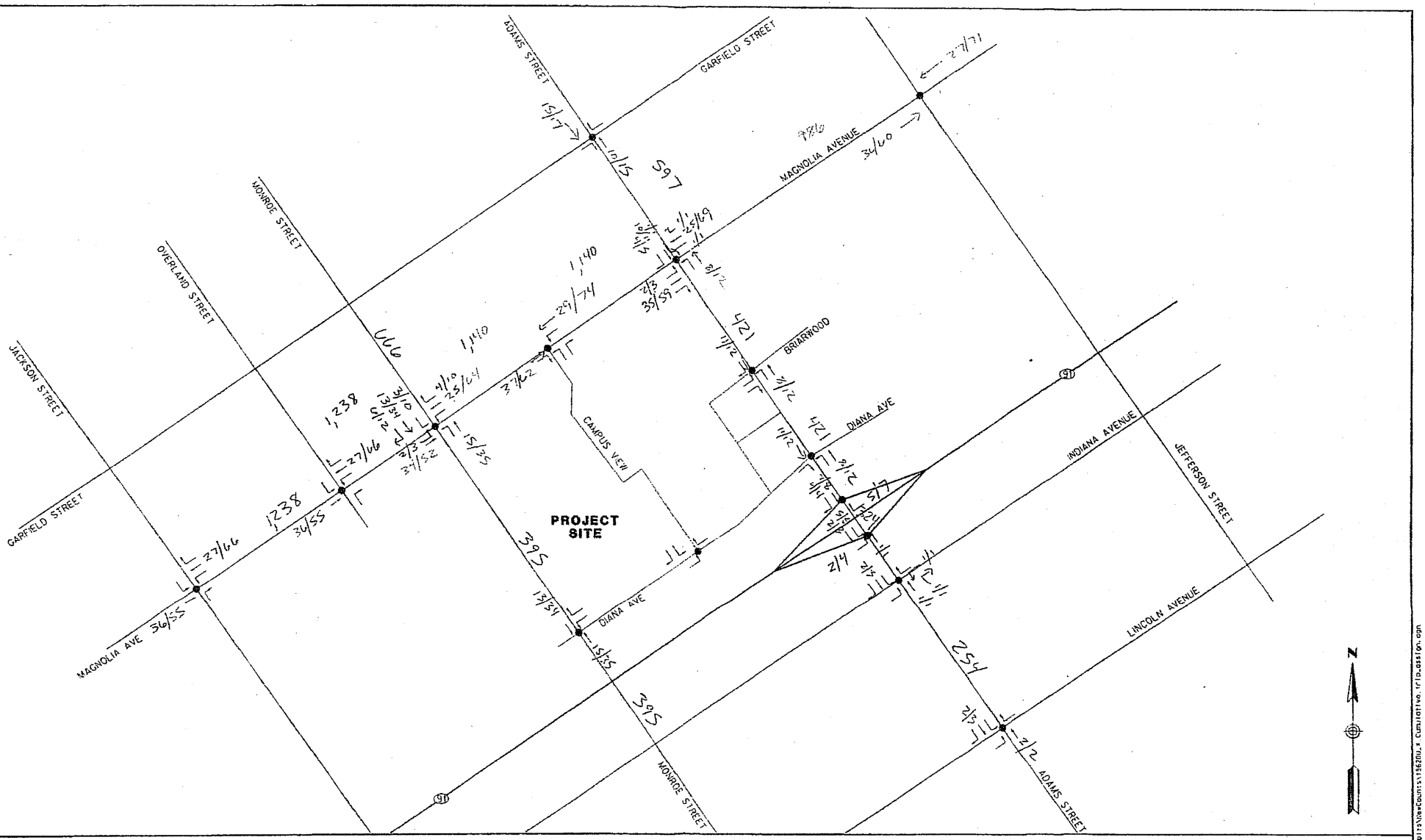
AM Period	NB		SB		EB		WB			PM Period	NB		SB		EB		WB		
00:00	6		8		0		0			12:00	73		56		0		0		
00:15	7		2		0		0			12:15	60		66		0		0		
00:30	4		3		0		0			12:30	73		56		0		0		
00:45	4	20	4	16	0	0	0	0	36	12:45	74	279	67	245	0	0	0	0	524
01:00	5		3		0		0			13:00	87		61		0		0		
01:15	3		3		0		0			13:15	80		83		0		0		
01:30	3		2		0		0			13:30	69		63		0		0		
01:45	3	13	1	9	0	0	0	0	22	13:45	68	303	81	288	0	0	0	0	590
02:00	4		1		0		0			14:00	84		59		0		0		
02:15	4		1		0		0			14:15	98		90		0		0		
02:30	1		2		0		0			14:30	106		67		0		0		
02:45	3	12	2	5	0	0	0	0	17	14:45	154	441	125	340	0	0	0	0	781
03:00	5		2		0		0			15:00	152		167		0		0		
03:15	7		5		0		0			15:15	116		116		0		0		
03:30	3		2		0		0			15:30	96		85		0		0		
03:45	4	18	3	11	0	0	0	0	28	15:45	99	462	87	454	0	0	0	0	916
04:00	6		1		0		0			16:00	107		98		0		0		
04:15	8		2		0		0			16:15	89		102		0		0		
04:30	17		6		0		0			16:30	92		80		0		0		
04:45	10	39	4	12	0	0	0	0	51	16:45	111	398	98	377	0	0	0	0	775
05:00	20		6		0		0			17:00	110		126		0		0		
05:15	13		8		0		0			17:15	119		111		0		0		
05:30	19		18		0		0			17:30	84		101		0		0		
05:45	30	81	16	48	0	0	0	0	129	17:45	93	405	94	432	0	0	0	0	837
06:00	27		23		0		0			18:00	83		83		0		0		
06:15	21		30		0		0			18:15	86		68		0		0		
06:30	42		45		0		0			18:30	66		54		0		0		
06:45	66	156	61	157	0	0	0	0	313	18:45	61	295	51	255	0	0	0	0	550
07:00	78		46		0		0			19:00	68		53		0		0		
07:15	100		61		0		0			19:15	54		37		0		0		
07:30	157		128		0		0			19:30	47		37		0		0		
07:45	249	583	157	390	0	0	0	0	973	19:45	49	217	33	159	0	0	0	0	376
08:00	207		139		0		0			20:00	35		37		0		0		
08:15	117		121		0		0			20:15	42		33		0		0		
08:30	72		52		0		0			20:30	27		33		0		0		
08:45	51	446	46	356	0	0	0	0	802	20:45	32	135	37	138	0	0	0	0	273
09:00	61		46		0		0			21:00	37		40		0		0		
09:15	66		44		0		0			21:15	31		31		0		0		
09:30	61		41		0		0			21:30	23		28		0		0		
09:45	54	241	34	164	0	0	0	0	405	21:45	17	107	19	117	0	0	0	0	223
10:00	47		39		0		0			22:00	19		21		0		0		
10:15	53		40		0		0			22:15	17		22		0		0		
10:30	59		47		0		0			22:30	20		12		0		0		
10:45	63	221	46	172	0	0	0	0	393	22:45	15	70	12	66	0	0	0	0	136
11:00	65		46		0		0			23:00	10		7		0		0		
11:15	66		50		0		0			23:15	7		13		0		0		
11:30	61		50		0		0			23:30	11		9		0		0		
11:45	65	255	55	201	0	0	0	0	456	23:45	10	37	8	37	0	0	0	0	74
Total Vol.		2084		1538					**3622**			3146		2906					**6052**

			Daily Totals
	NB	SB	**Combine**
	5230	4444	**9674**

	AM			PM		
Split %	57.5%	42.5%	**37.4%**	52.0%	48.0%	**62.6%**
Peak Hour	07:30	07:30	**07:30**	14:30	14:45	**14:45**
Volume	729	543	**1272**	528	493	**1010**
P.H.F.	0.73	0.87	**0.78**	0.86	0.74	**0.79**

APPENDIX G

Cumulative Traffic Volumes



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SAN DIEGO, CA 92110
619.291.0707
(FAX)619.291.4165

EXHIBIT
TRIP ASSIGNMENTS
CALIFORNIA BAPTIST UNIVERSITY TRAFFIC ANALYSIS

Total Cumulative Trips

LEGEND
xxxx/xxxx = ADT

APPENDIX J

Ramp Merge/Diverge Analysis

Dist	Route	CO		Postmile	Description	Back Peak Hour	Back Peak Month	Back AADT	Ahead Peak Hour	Ahead Peak Month	Ahead AADT
12	91	ORA	R	16.404	GYPSUM CANYON RD	18,900	290,000	279,000	18,900	289,000	279,000
12	91	ORA	R	17.95 R	RIGHT COAL CANYON RD	17,700	289,000	279,000	19,200	289,000	279,000
12	91	ORA	R	17.973 L	LEFT COAL CANYON RD	14,800	242,000	234,000	16,100	242,000	234,000
12	91	ORA	R	18.905	ORANGE/RIVERSIDE CO LINE	18,100	269,000	264,000			
8	91	RIV	R	0	ORANGE/RIVERSIDE CO LINE				18,100	269,000	264,000
8	91	RIV	R	1.031	GREEN RIVER DRIVE	18,300	272,000	267,000	16,700	258,000	253,000
8	91	RIV	R	2.087	JCT. RTE. 71 NORTH	16,700	258,000	253,000	16,500	269,000	256,000
8	91	RIV	R	3.705	SERFAS CLUB DRIVE	16,500	269,000	256,000	16,700	270,000	257,000
8	91	RIV		4.157	MAPLE ST	16,700	270,000	257,000	16,000	260,000	248,000
8	91	RIV		5.383	CORONA, LINCOLN AVE	16,000	260,000	248,000	16,400	268,000	255,000
8	91	RIV		6.024	CORONA, WEST GRAND	16,400	268,000	255,000	16,000	259,000	247,000
8	91	RIV		6.343	CORONA, MAIN ST	16,000	259,000	247,000	15,000	245,000	233,000
8	91	RIV		7.451	CORONA, JCT RTE 15	15,000	245,000	233,000	15,200	230,000	219,000
8	91	RIV		9.18	MC KINLEY ST	15,200	230,000	219,000	14,700	219,000	209,000
8	91	RIV		10.806	RIVERSIDE, PIERCE ST	14,700	219,000	209,000	12,600	191,000	182,000
8	91	RIV		11.097	RIVERSIDE, MAGNOLIA	12,600	191,000	182,000	13,500	203,000	193,000
8	91	RIV		11.991	RIVERSIDE, LA SIERRA AVE	13,500	203,000	193,000	12,900	195,000	186,000
8	91	RIV		13.04	RIVERSIDE, TYLER ST	12,900	195,000	186,000	13,100	193,000	186,000
8	91	RIV		14.079	RIVERSIDE, VAN BUREN ST	13,100	193,000	186,000	12,100	180,000	173,000
8	91	RIV		15.627	RIVERSIDE, ADAMS ST	12,100	180,000	173,000	12,100	178,000	172,000
8	91	RIV		16.651	RIVERSIDE, MADISON ST	12,100	178,000	172,000	11,800	174,000	168,000
8	91	RIV		17.819	RIVERSIDE, ARLINGTON AVE	11,800	174,000	168,000	11,600	171,000	165,000
8	91	RIV		18.412	RIVERSIDE, CENTRAL AVE	11,600	171,000	165,000	11,700	171,000	165,000
8	91	RIV		19.999	RIVERSIDE, 14TH ST	11,700	171,000	165,000	11,300	167,000	161,000
8	91	RIV		20.45	RIVERSIDE, EIGHTH ST	11,300	167,000	161,000	10,800	159,000	153,000
8	91	RIV		21.471	RIVERSIDE, LA CADENA DR	10,800	159,000	153,000	10,500	154,000	149,000
8	91	RIV		21.659	RIVERSIDE, JCT. RTE. 60	10,500	154,000	149,000			
4	92	SM		0	HALF MOON BAY, JCT. RTE. 1				1,450	18,500	17,600
4	92	SM		0.2	HALF MOON BAY, MAIN ST	1,450	18,500	17,600	1,900	23,500	22,400
4	92	SM		5.191	JCT. RTE. 35 SOUTH	1,850	24,000	22,800	2,050	25,500	24,300
4	92	SM		7.19	RALSTON AVE/SKYLINE	2,050	25,500	24,300	1,800	22,900	21,800
4	92	SM	R	7.31	ON RALSTON AVE, JCT. RTE. 280	1,850	23,100	22,000	7,700	77,000	71,500
4	92	SM	R	7.929	RALSTON /POLHEMUS	7,700	77,000	71,500	7,200	72,000	66,000
4	92	SM	R	8.674	MONTEREY ST	7,200	72,000	66,000	6,600	76,000	73,000
4	92	SM	R	9.378	SAN MATEO, WEST HILLSDALE	6,600	76,000	73,000	7,100	81,000	78,000
4	92	SM	R	10.564	SAN MATEO, DE LAS PULGAS	7,100	81,000	78,000	7,800	89,000	86,000
4	92	SM	R	11.208	JCT. RTE. 82	7,800	89,000	86,000	9,300	106,000	102,000
4	92	SM	R	11.606	SAN MATEO, SOUTH DELAWARE	9,300	106,000	102,000	10,000	110,000	104,000