RICK
ENGINEERING COMPANY
Traffic Division

July 3, 2016

Mr. Jamie Looney
Unite Pacific
2333 State Street, Suite 200
Carlsbad, CA 92008

SUBJECT: NORTH COAST CHURCH TRAFFIC SUMMARY LETTER, FALLBROOK, CALIFORNIA (JOB NUMBER 17796)

Dear Mr. Looney:

The following summary has been prepared to document the new trips anticipated by the proposed North Coast Church. The project is located at 1375 South Mission Road in Fallbrook, within an existing building that was previously occupied by a light industrial use. Refer to Attachment A for a Project Vicinity Map. Refer to Attachment B for the proposed Site Plan.

Project Description

The church is proposed to be located within an existing building at 1375 South Mission Road in Fallbrook, and is served by one primary full access driveway onto South Mission Road (the existing building was previously occupied by a light industrial use). The intersection of South Mission Road/Project Driveway is currently stop controlled for the driveway approach to South Mission Road. The site proposes 325 seats and 92 parking stalls (4 of which will be van accessible). Two Sunday services are proposed, as well as mid-week classes between the hours of 7:00 pm and 9:30 pm. A pastoral staff of up to seven would be present between the typical weekday business hours of 8:00 am to 5:00 pm. No daycare uses are proposed at the church.

Existing Traffic Volumes

Existing 24 hour daily traffic volume counts were recorded by Field Data Services on Thursday, June 23, 2016 and on Sunday, June 26, 2016 on the project driveway, as well on South Mission Road both north and south of the driveway. During this time period, the previous light industrial use was still operational within the building. Refer to Attachment C for an Existing ADT exhibit. Refer to Attachment D for the ADT counts. Below is a summary of the recorded traffic volume counts.

	Weekday ADT	Sunday ADT
Project Driveway, west of South Mission Road	1,008 veh/day	551 veh/day
South Mission Road, north of Project Driveway	23,007 veh/day	17,744 veh/day
South Mission Road, south of Project Driveway	23,705 veh/day	17,576 veh/day

Traffic Generation

Trip generation calculations were performed to document the difference in trips between the previous light industrial use and the proposed church use. The calculations were performed based on the Institute of Transportation Engineer's (ITE) Trip Generation manual, as opposed to using SANDAG's Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, as more data is available within the ITE manual for this proposed use. Additionally, for the rates available within SANDAG's guide, the rates

were compared to the ITE rates and were determined to be very similar. The following summarizes the findings. Refer to Attachment E for the Trip Generation Calculations.

	Weekday ADT	Weekday AM Peak	Weekday PM Peak	Sunday ADT	Sunday Peak
Previous Light Industrial Use:	178 veh/day	23 veh/hr	25 veh/hr	17 veh/day	3 veh/hr
Proposed Church Use:	233 veh/day	14 veh/hr	14 veh/hr	935 veh/day	307 veh/hr
Difference in Trips:	***55 more***	***9 less***	***11 less***	***918 more***	***304 more***

Conclusion

Based on the County of San Diego's Transportation and Traffic Report Format & Content Requirements, full traffic impact studies are generally required when a project generates 1,000 total ADT or 100 peak hour trips, focused traffic impact studies are generally required when a project generates 500 total ADT or 50 peak hour trips, and issue specific traffic impact studies are generally required when a project generates 200 to 500 total ADT or 20 to 50 peak hour trips. This requirement is typically that of an average weekday, when area schools are in session, and during the commuter peak hours of 7:00 am to 9:00 am and 4:00 pm to 6:00 pm. As defined by ITE, an "average day" is "...a day representing traffic volumes normally and repeatedly found at a location." Based on the adjacent land uses and traffic patterns, an average day in the area surrounding the project would typically fall on a weekday, and not a Saturday or Sunday. As shown by the above trip generation calculations, the proposed church use is anticipated to generate 55 new weekday daily trips, and 9 less and 11 less weekday AM and PM peak hour trips, respectively, when compared to the previous light industrial use within the existing building. This amount of new traffic generation by the proposed church use is not anticipated to trigger the requirement for the preparation of an issue specific, focused, or full traffic impact study, as the traffic generated by the proposed church falls primarily on a Sunday, which at this location, would not be considered an average day. Additionally, South Mission Road is shown to have approximately 23 to 26% less traffic than that of a typical weekday. By adding in the anticipated traffic generated by the church, the traffic on the driveway and on South Mission Road would still be lower than the existing traffic counted on a weekday.

Should you have any questions regarding this traffic summary letter, please feel free to contact me at (619) 291-0707 or bstephenson@rickengineering.com.

Sincerely,

RICK ENGINEERING COMPANY

B. R.

Brian R. Stephenson, PE, TE, PTOE
Associate

Attachment A

Project Vicinity Map

RICK ENGINEERING COMPANY
TRAFFIC

EXHIBIT 1

PROJECT VICINITY MAP

NORTH COAST CHURCH

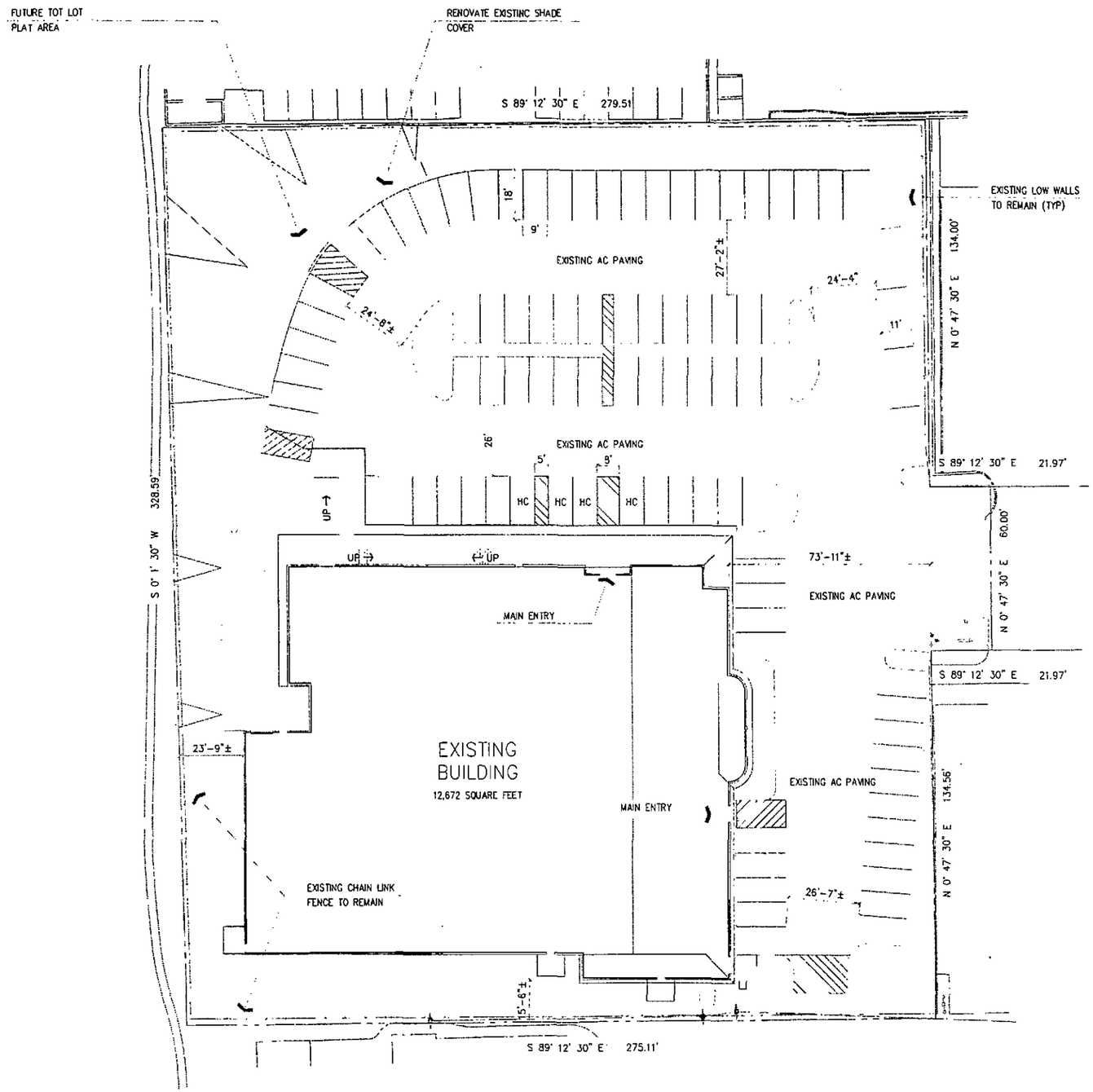
SDC PDS RCVD 07-08-16

MUP15-026

I:\17796\Traffic\Graphics\17796_01_VicinityMap.dgn
I:\17796\Traffic\Graphics\SD Corp$tds 2005.dscript

Attachment B

Site Plan



PROPERTY OWNER / APPLICANT

OWNER: ANTHONY DUCHI
40268 ODESSA DR, TEMECULA, CA 92591

APPUCANT: NORTH COAST CHURCH
2405 NORTH SANTA FE AVENUE VISTA, CA 92084

APN AND PARCEL AREA

APN: 104-200-54

GROSS AREA: 2.623 ACRES
NET AREA: 2.122 ACRES

EXISTING ZONING

EXISTING ZONING: M52 - LIMITED INDUSTRIAL

SETBACKS: FRONT YARD - 60' FROM CENTERLINE
INTERIOR SIDE YARD - 0' (5' IF ADJACENT TO RESIDENTIAL)
REAR YARD - 15'

PARKING

PARKING - ASSEMBLY AREA OCCUPANCY IS 332 PERSONS. REQUIRED PARKING = 83 SPACES.
PARKING SPACES PROVIDED = 92 SPACES. 4 SPACES ARE VAN ACCESSIBLE.

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 25, TOWNSHIP 9 SOUTH, RANGE 4 WEST, SAN BERNADINO BASE AND MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SAID SECTION 25; THENCE ALONG THE NORTH LINE THEREOF, SOUTH 89° 12' 30" EAST, 277.66'; THENCE ON A LINE PARALLEL MITH THE WEST LINE OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 25, SOUTH 0° 01' 30" WEST, 310.25' TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID PARALLEL LINE SOUTH 0° 1' 30" WEST, 328.59' TO THE NORTHWESTERLY CORNER OF THE LAND DESCRIBED IN DEED TO JOHN M. BAIN, ET AL, RECORDED APRIL 14, 1959 IN BOOK 7602, PAGE 356 OF OFFICIAL RECORDS; THENCE SOUTH 69° 12' 30" EAST ALONG SAID NORTHERLY UNE 275.11'; THENCE AT RIGHT ANGLES NORTH 0° 47' 30" EAST, 134.56' TO POINT "A" OF THIS DESCRIPTION; THENCE SOUTH 89° 12' 30" EAST, 395.65' TO THE WESTERLY LINE OF THAT CERTAIN ROAD 40' IN WIDTH, CONDEMNED BY DECREE ENTERED IN CASE NO. 17,549 SUPERIOR COURT RECORDED IN BOOK 500, PAGE 91; DEEDS; THENCE ALONG SAID WESTERLY UNE NORTH 17° 37' 00" WEST, 63.24'; THENCE NORTH 89° 12' 30" WEST 375.69' TO A LINE WHICH BEARS NORTH 0° 47' 30" EAST FROM SAID POINT "A"; THENCE NCRTH 0° 47' 30" EAST, 134' TO A LINE WHICH BEARS SOUTH 89° 12' 30" EAST FROM THE TRUE POINT OF BEGINNING; THENCE ALONG SAID LINE LIE NORTH 89° 12' 30" WEST, 279.51' TO THE TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION DESCRIBED AS FOLLOWS:

THAT PART OF THE ABOVE DESCRIBED REAL PROPERTY INGLUDED WITHIN A STRIP OF LAND 40' WIDE,LYING SOUTHWESTERLY FROM AN CONTIGUOUS TO THE FOLLOWING DESCRIBED CENTER LINE OF THE EXISTING ROAD OR STATE HIGHWAY, BETWEEN VISTA AND FALLBROOK, ROAD 11-SAN DIEGO-77-D, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OFSAID SECTION 25, DISTANT THEREON NORTH 89° 51' 00" WEST, 144 FEET FROM THE SOUTHWEST CORNER THEREOF; THENCE NORTH 10° 46' 00" WEST, 185.30'; THENCE ALONG A CURVE TOI THE LEFT WTH A RADIUS OF 2000', THROUGH AN ANGLE OF 6° 50' 00", A DISTANCE OF 238.53'; THENCE NORTH 17° 36' 00" WEST, 875.93'; THEUCE A CURVE TO THE RIGHT WTH A RADIUS OF 1000', THROUGH AN ANGLE OF 11$$D 22' 00", A DISTANCE OF 198.38'.

SDC PDS RCVD 07-08-16

MUP15-026

SITE PLAN
SCALE: 1"=20'-0"

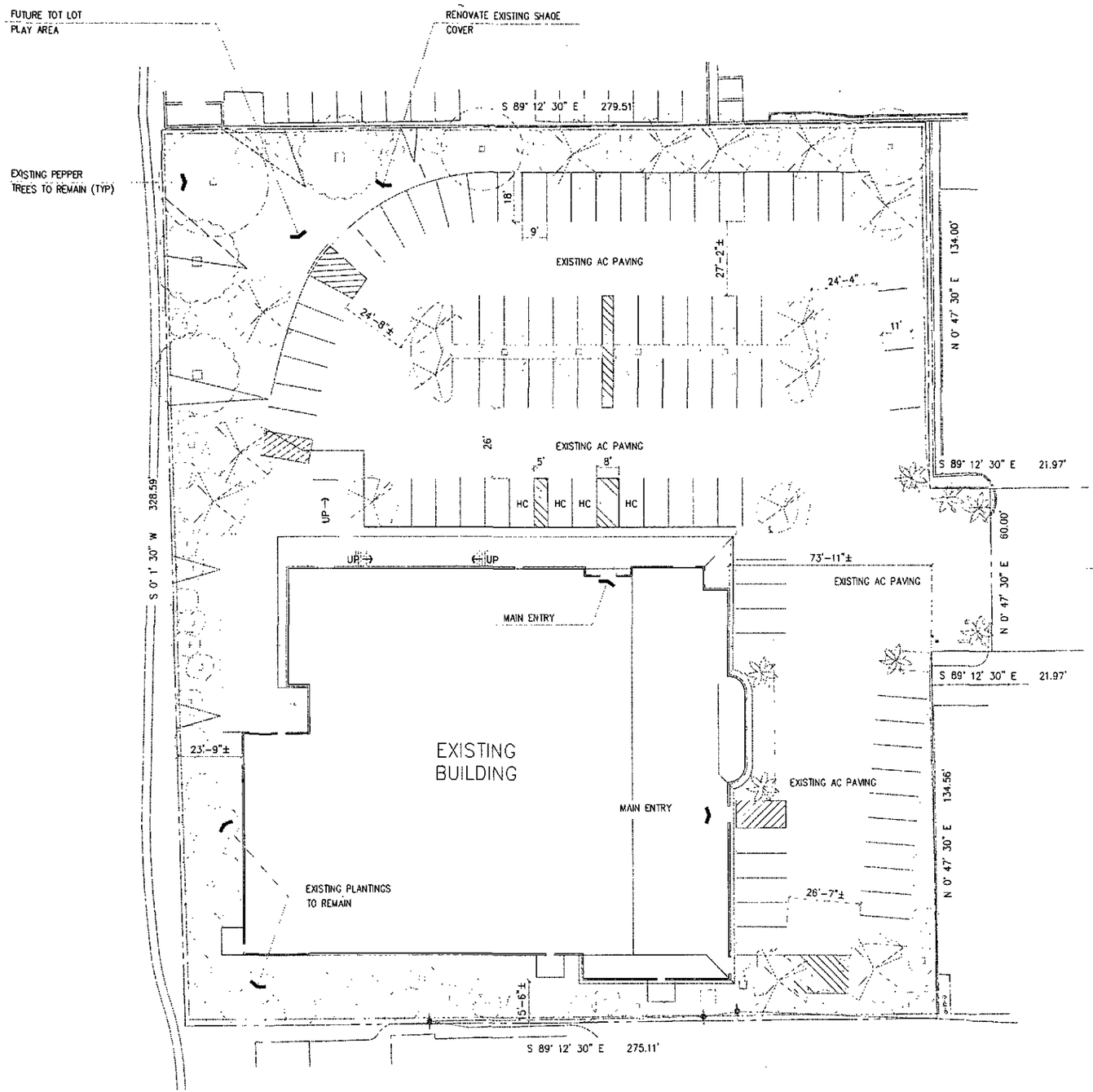
DRAWN BY:

REVISIONS:

SITE PLANNING
LANDSCAPE ARCHITECTURE
RLA #3712
1361 TIERRA ROJA DR., FALLBROOK, CA 92028
PHONE (760) 803-3497

NCRTH CCAST CHURCH
1375 S. MISSION ROAD
FALLBROOK, OA

DATE: 2/27/16
JOB NAME: NCC
SHEET: S1
OF: 1



PROPERTY OWNER / APPLICANT

OWNER: ANTHONY DUCHI
40268 ODESSA DR. TEMECULA, CA 92591

APPLICANT: NORTH COAST CHURCH
2405 NORTH SANTA FE AVENUE VISTA, CA 92084

CONCEPTUAL LANDSCAPE NOTES

THE PROJECT IS TO CHANGE THE LAND USE FOR AN EXISTING INDUSTRIAL BUILDING TO RELIGIOUS ASSEMBLY THROUGH A MAJOR USE PERMIT.

THE BUILDING, RETAINING WALLS AND ASPHALT PARKING LOT ARE EXISTING.

DEMO EXISTING CHAIN LINK GATE AND FENCE AT ENTRY AS SHOWN. EXCEPT AS INDICATED ON THE PLAN, REMOVE EXISTING LANDSCAPING ON THE PERIMETER SLOPES. DEMO EXISTING AC PAVING FOR PARKING LOT PLANTER AREAS AS SHOWN.

PROVIDE FUTURE PLAY AREA AS SHOWN ON THE PLAN.

CONCEPTUAL LANDSCAPE PLANT LEGEND

SYM	BOTANICAL / COMMON NAME	QUAN	SIZE	REMARKS
	KOELREUTERIA BIPINNATA CHINESE FLAME TREE	10	24"	
	OLEA EUROPA 'SWAN HIL' OR 'WILSONI' OLIVE	6	24"	MULTI-TRUNK
	RHUS LANCEA AFRICAN SUMAC	4	24"	
	SCHINUS MOLLE CALIFORNIA PEPPER	3	24"	MULTI-TRUNK
	SYAGRUS ROMANZOFFIANUM QUEEN PALM	7	8' BTH	
	ACACIA LONGIFOLIA SYDNEY GOLDEN WATTLE	29	5G	
	AGAPANTHUS 'QUEEN ANNE' LILY OF THE NILE	57	1G	
	ANIGOZANTHOS FLAVIDUS KANGAROO PAW	57	1G	
	ECHEVERIA IMBRICATA HEN AND CHICKS	57	4"	
	LAVANDULA STOECHAS SPANISH LAVENDER	57	1G	
	UROPE MUSCARI BIG BLUE LILY TURF	57	5G	
	PELARGONIUM PELTATUM BORDER PENSTEMON	57	FLAT	
	PENSTEUON HETEROPHYLLUS BORDER PENSTEMON	57	1G	
	PHOTINIA FRASERII PHOTINIA	57	5G	

LANDSCAPE CONCEPT PLAN

SCALE: 1"=20'-0"

DRAWN BY:

REVISIONS:

SITE PLANNING
LANDSCAPE ARCHITECTURE
RLA #3712
1361 TIERRA ROJA DR. FALLBROOK, CA 92028
PHONE (760) 803-3497

NORTH CCAST CHURCH
1375 S. MISSION ROAD
FALLBROOK, OA

DATE: 2/22/16

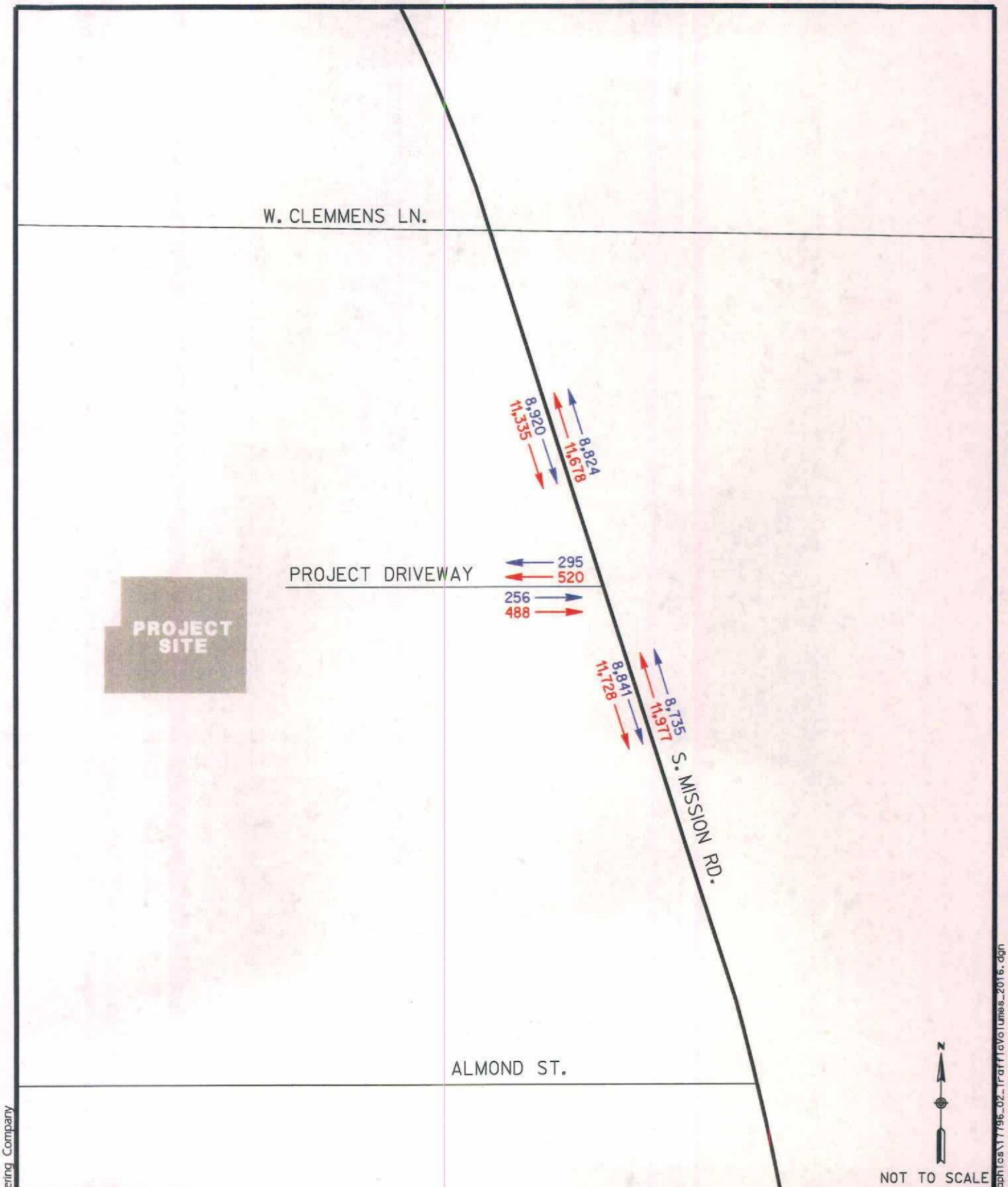
JOB NAME: NCC

SHEET: L1

OF: 1

Attachment C

Existing ADT's



RICK ENGINEERING COMPANY
TRAFFIC

EXHIBIT 2

EXISTING (2016) ADT

NORTH COAST CHURCH

LEGEND

SUNDAY ADT →

WEEKDAY ADT →

SDC PDS RCVD 07-08-16

MUP15-026

T:\11796\Traffic\Graphics\11796_02_TrafficVolumes_2016.dgn
T:\11796\Traffic\Graphics\SD CorpStds 2005.dscr1pt
03-JUL-2016 14:46

Attachment D

Traffic Volume Counts

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Thursday, June 23, 2016 City: Fallbrook Project #: 16-1240-003

Location: Driveway west of S. Mission Rd.

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		0			12:00			13		10		
00:15			0		0			12:15			11		11		
00:30			0		0			12:30			10		10		
00:45			0	0	0	0		12:45			11	45	7	38	83
01:00			0		0			13:00			10		4		
01:15			0		0			13:15			14		8		
01:30			0		0			13:30			15		5		
01:45			0	0	0	0		13:45			13	52	9	26	78
02:00			0		0			14:00			11		6		
02:15			0		0			14:15			10		5		
02:30			0		0			14:30			7		8		
02:45			0	0	0	0		14:45			4	32	5	24	56
03:00			0		0			15:00			8		7		
03:15			0		0			15:15			5		4		
03:30			0		0			15:30			9		8		
03:45			0	0	3	3	3	15:45			6	28	5	24	52
04:00			1		3			16:00			8		11		
04:15			1		1			16:15			5		10		
04:30			0		0			16:30			7		14		
04:45			2	4	0	4	8	16:45			11	31	16	51	82
05:00			4		0			17:00			10		13		
05:15			8		2			17:15			14		9		
05:30			5		2			17:30			16		6		
05:45			9	26	15	19	45	17:45			13	53	6	34	87
06:00			6		6			18:00			11		3		
06:15			3		11			18:15			10		5		
06:30			5		5			18:30			14		3		
06:45			8	22	4	26	48	18:45			7	42	4	15	57
07:00			7		2			19:00			4		6		
07:15			4		7			19:15			8		7		
07:30			8		9			19:30			5		10		
07:45			9	28	8	26	54	19:45			9	26	7	30	56
08:00			6		5			20:00			6		4		
08:15			3		7			20:15			3		6		
08:30			2		4			20:30			2		11		
08:45			5	16	8	24	40	20:45			1	12	5	26	38
09:00			5		5			21:00			0		5		
09:15			4		9			21:15			1		5		
09:30			7		11			21:30			2		8		
09:45			4	20	10	35	55	21:45			1	4	4	22	26
10:00			5		14			22:00			0		6		
10:15			9		16			22:15			1		0		
10:30			6		13			22:30			2		1		
10:45			3	23	11	54	77	22:45			1	4	5	12	16
11:00			5		7			23:00			0		2		
11:15			4		4			23:15			0		0		
11:30			7		8			23:30			0		1		
11:45			4	20	5	24	44	23:45			0	0	0	3	3
Total Vol.				159		215	**374**					329		305	**634**

GPS Coordinates:

Daily Totals

NB	SB	EB	WB	Combined
		488	520	**1008**

	AM			PM		
Split %	42.5%	57.5%	**37.1%**	51.9%	48.1%	**62.9%**
Peak Hour	11:45	10:00	**09:45**	17:15	16:15	**16:45**
Volume	38	54	**77**	54	53	**95**
P.H.F.	0.73	0.84	**0.77**	0.84	0.83	**0.88**

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Sunday, June 26, 2016 City: Fallbrook Project #: 16-1240-003

Location: Driveway west of S. Mission Rd.

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		0			12:00			12		3		
00:15			0		0			12:15			16		4		
00:30			0		0			12:30			16		3		
00:45			0	0	0	0		12:45			2	46	9	19	65
01:00			0		0			13:00			4		8		
01:15			1		3			13:15			2		7		
01:30			0		0			13:30			2		6		
01:45			0	1	0	3	4	13:45			1	9	8	29	38
02:00			0		0			14:00			12		0		
02:15			0		0			14:15			4		4		
02:30			1		0			14:30			13		1		
02:45			0	1	1	1	2	14:45			3	32	2	7	39
03:00			0		0			15:00			6		8		
03:15			0		0			15:15			3		7		
03:30			0		0			15:30			1		8		
03:45			0	0	0	0		15:45			2	12	5	28	40
04:00			0		0			16:00			1		6		
04:15			0		0			16:15			1		9		
04:30			0		0			16:30			0		3		
04:45			0	0	0	0		16:45			0	2	4	22	24
05:00			0		0			17:00			2		6		
05:15			0		0			17:15			0		4		
05:30			0		0			17:30			0		5		
05:45			0	0	0	0		17:45			0	2	1	16	18
06:00			0		0			18:00			0		4		
06:15			0		2			18:15			0		9		
06:30			0		2			18:30			0		5		
06:45			0	0	0	4	4	18:45			1	1	4	22	23
07:00			2		4			19:00			1		5		
07:15			11		2			19:15			0		2		
07:30			7		0			19:30			2		2		
07:45			9	29	14	20	49	19:45			3	6	3	12	18
08:00			2		6			20:00			0		0		
08:15			10		4			20:15			0		0		
08:30			16		4			20:30			0		0		
08:45			1	29	3	17	46	20:45			0	0	0	0	
09:00			5		13			21:00			1		1		
09:15			3		6			21:15			0		1		
09:30			14		2			21:30			0		0		
09:45			4	26	12	33	59	21:45			0	1	0	2	3
10:00			1		11			22:00			0		0		
10:15			13		3			22:15			0		0		
10:30			12		3			22:30			0		0		
10:45			19	45	6	23	68	22:45			0	0	0	0	
11:00			6		5			23:00			0		0		
11:15			3		9			23:15			0		0		
11:30			0		5			23:30			0		0		
11:45			5	14	18	37	51	23:45			0	0	0	0	
Total Vol.				145		138	**283**					111		157	**268**

GPS Coordinates:

Daily Totals

NB	SB	EB	WB	Combined
		256	295	**551**

	AM			PM		
Split %	51.2%	48.8%	**51.4%**	41.4%	58.6%	**48.6%**
Peak Hour	10:15	11:00	**11:45**	12:00	12:45	**12:00**
Volume	50	37	**77**	46	30	**65**
P.H.F.	0.66	0.51	**0.84**	0.72	0.83	**0.81**

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Thursday, June 23, 2016 City: Fallbrook Project #: 16-1240-001

Location: S. Mission Rd. north of Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	9		8					12:00	174		162				
00:15	9		5					12:15	185		165				
00:30	6		7					12:30	214		197				
00:45	9	33	4	24			57	12:45	222	795	184	708			1503
01:00	4		8					13:00	208		155				
01:15	7		5					13:15	214		162				
01:30	8		9					13:30	185		173				
01:45	5	24	6	28			52	13:45	196	803	176	666			1469
02:00	8		9					14:00	199		171				
02:15	13		6					14:15	161		164				
02:30	16		8					14:30	174		168				
02:45	14	51	5	28			79	14:45	185	719	162	665			1384
03:00	21		7					15:00	214		187				
03:15	20		4					15:15	222		185				
03:30	22		8					15:30	236		169				
03:45	21	84	11	30			114	15:45	258	930	173	714			1644
04:00	11		14					16:00	244		176				
04:15	17		26					16:15	241		164				
04:30	15		33					16:30	289		184				
04:45	26	69	34	107			176	16:45	263	1037	185	709			1746
05:00	34		61					17:00	236		195				
05:15	33		98					17:15	258		224				
05:30	54		101					17:30	244		232				
05:45	67	188	153	413			601	17:45	214	952	218	869			1821
06:00	62		153					18:00	185		224				
06:15	68		142					18:15	185		195				
06:30	79		165					18:30	189		176				
06:45	106	315	180	640			955	18:45	196	755	151	746			1501
07:00	111		151					19:00	166		153				
07:15	109		185					19:15	154		146				
07:30	140		167					19:30	147		143				
07:45	183	543	195	698			1241	19:45	141	608	138	580			1188
08:00	164		178					20:00	122		114				
08:15	160		189					20:15	133		97				
08:30	162		178					20:30	131		95				
08:45	211	697	168	713			1410	20:45	128	514	96	402			916
09:00	161		171					21:00	122		109				
09:15	175		178					21:15	104		100				
09:30	171		152					21:30	74		108				
09:45	145	652	193	694			1346	21:45	75	375	97	414			789
10:00	152		141					22:00	50		85				
10:15	163		122					22:15	54		60				
10:30	139		104					22:30	41		64				
10:45	165	619	133	500			1119	22:45	42	187	51	260			447
11:00	161		131					23:00	28		52				
11:15	166		125					23:15	24		39				
11:30	143		154					23:30	29		40				
11:45	141	611	144	554			1165	23:45	30	111	42	173			284
Total Vol.		3886		4429			**8315**			7786		6906			**14692**

GPS Coordinates:

Daily Totals

NB	SB	EB	WB	Combined
11672	11335			**23007**

	AM			PM		
Split %	46.7%	53.3%	**36.1%**	53.0%	47.0%	**63.9%**
Peak Hour	08:45	07:45	**08:00**	16:30	17:15	**16:45**
Volume	718	740	**1410**	1046	898	**1837**
P.H.F.	0.85	0.95	**0.93**	0.90	0.97	**0.95**

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Sunday, June 26, 2016 City: Fallbrook Project #: 16-1240-001

Location: S. Mission Rd. north of Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	37		29					12:00	164		179				
00:15	26		30					12:15	173		183				
00:30	31		32					12:30	132		186				
00:45	28	122	28	119			241	12:45	153	622	174	722			1344
01:00	31		21					13:00	178		167				
01:15	13		14					13:15	157		161				
01:30	31		16					13:30	156		172				
01:45	13	88	13	64			152	13:45	165	656	186	686			1342
02:00	12		11					14:00	173		171				
02:15	16		10					14:15	141		174				
02:30	15		14					14:30	171		167				
02:45	11	54	7	42			96	14:45	170	655	161	673			1328
03:00	10		4					15:00	175		178				
03:15	11		8					15:15	166		183				
03:30	14		5					15:30	147		186				
03:45	11	46	9	26			72	15:45	158	646	174	721			1367
04:00	10		6					16:00	176		148				
04:15	8		3					16:15	147		153				
04:30	4		2					16:30	148		151				
04:45	20	42	5	16			58	16:45	155	626	171	623			1249
05:00	14		8					17:00	122		174				
05:15	5		11					17:15	154		167				
05:30	10		10					17:30	133		161				
05:45	21	50	14	43			93	17:45	139	548	142	644			1192
06:00	25		24					18:00	133		150				
06:15	25		41					18:15	136		140				
06:30	27		42					18:30	100		124				
06:45	46	123	45	152			275	18:45	126	495	94	508			1003
07:00	56		50					19:00	95		109				
07:15	52		41					19:15	129		106				
07:30	52		44					19:30	127		86				
07:45	66	226	45	180			406	19:45	107	458	80	381			839
08:00	67		75					20:00	120		85				
08:15	68		80					20:15	100		78				
08:30	80		107					20:30	133		74				
08:45	111	326	94	356			682	20:45	99	452	95	332			784
09:00	117		131					21:00	97		70				
09:15	131		148					21:15	122		74				
09:30	140		153					21:30	83		61				
09:45	142	530	151	583			1113	21:45	87	389	62	267			656
10:00	138		145					22:00	61		49				
10:15	123		174					22:15	51		53				
10:30	133		167					22:30	82		50				
10:45	170	564	194	680			1244	22:45	48	242	42	194			436
11:00	192		205					23:00	36		38				
11:15	185		216					23:15	47		34				
11:30	152		186					23:30	42		31				
11:45	174	703	174	781			1484	23:45	36	161	24	127			288
Total Vol.		2874		3042			**5916**			5950		5878			**11828**

GPS Coordinates:

Daily Totals	NB	SB	EB	WB	Combined
	8824	8920			**17744**

	AM			PM		
Split %	48.6%	51.4%	**33.3%**	50.3%	49.7%	**66.7%**
Peak Hour	11:00	10:45	**10:45**	14:30	12:00	**14:30**
Volume	703	801	**1500**	682	722	**1371**
P.H.F.	0.92	0.93	**0.94**	0.97	0.97	**0.97**

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Thursday, June 23, 2016 City: Fallbrook Project #: 16-1240-002

Location: S. Mission Rd. south of Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	22		14					12:00	193		169				
00:15	21		10					12:15	248		180				
00:30	25		11					12:30	201		183				
00:45	16	84	8	43			127	12:45	204	846	179	711			1557
01:00	7		8					13:00	193		180				
01:15	14		5					13:15	198		161				
01:30	8		6					13:30	201		156				
01:45	14	43	9	28			71	13:45	180	772	149	646			1418
02:00	7		5					14:00	210		169				
02:15	10		8					14:15	165		170				
02:30	8		13					14:30	218		180				
02:45	5	30	16	42			72	14:45	201	794	164	683			1477
03:00	12		14					15:00	195		161				
03:15	7		21					15:15	210		182				
03:30	8		20					15:30	229		180				
03:45	10	37	26	81			118	15:45	215	849	180	703			1552
04:00	13		24					16:00	273		177				
04:15	16		28					16:15	243		184				
04:30	13		31					16:30	292		194				
04:45	30	72	33	116			188	16:45	235	1043	186	741			1784
05:00	39		60					17:00	233		182				
05:15	38		96					17:15	265		209				
05:30	40		98					17:30	230		217				
05:45	63	180	153	407			587	17:45	195	923	231	839			1762
06:00	65		149					18:00	202		247				
06:15	68		146					18:15	192		209				
06:30	79		166					18:30	196		180				
06:45	91	303	181	642			945	18:45	190	780	161	797			1577
07:00	123		156					19:00	157		161				
07:15	101		184					19:15	139		154				
07:30	136		168					19:30	161		147				
07:45	156	516	195	703			1219	19:45	143	600	141	603			1203
08:00	146		182					20:00	102		122				
08:15	134		177					20:15	138		130				
08:30	158		175					20:30	118		104				
08:45	170	608	169	703			1311	20:45	140	498	108	464			962
09:00	190		162					21:00	116		87				
09:15	179		178					21:15	112		85				
09:30	156		155					21:30	88		60				
09:45	184	709	190	685			1394	21:45	116	432	65	297			729
10:00	170		189					22:00	90		65				
10:15	164		191					22:15	80		58				
10:30	174		198					22:30	56		54				
10:45	182	690	187	765			1455	22:45	66	292	45	222			514
11:00	176		174					23:00	50		50				
11:15	146		185					23:15	42		24				
11:30	192		159					23:30	37		21				
11:45	206	720	166	684			1404	23:45	27	156	28	123			279
Total Vol.		3992		4899			**8891**			7985		6829			**14814**

GPS Coordinates:

Daily Totals

NB	SB	EB	WB	Combined
11977	11728			**23705**

	AM			PM		
Split %	44.9%	55.1%	**37.5%**	53.9%	46.1%	**62.5%**
Peak Hour	11:45	09:45	**11:45**	16:00	17:15	**16:30**
Volume	848	768	**1546**	1043	904	**1796**
P.H.F.	0.85	0.97	**0.90**	0.89	0.91	**0.92**

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Sunday, June 26, 2016 City: Fallbrook Project #: 16-1240-002

Location: S. Mission Rd. south of Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	28		21					12:00	174		169				
00:15	22		14					12:15	185		163				
00:30	20		19					12:30	166		188				
00:45	21	91	13	67			158	12:45	161	686	185	705			1391
01:00	14		19					13:00	154		174				
01:15	16		20					13:15	147		178				
01:30	13		21					13:30	141		185				
01:45	9	52	14	74			126	13:45	152	594	185	722			1316
02:00	11		16					14:00	163		196				
02:15	10		13					14:15	166		166				
02:30	14		9					14:30	187		161				
02:45	15	50	6	44			94	14:45	185	701	154	677			1378
03:00	13		8					15:00	182		174				
03:15	15		5					15:15	196		145				
03:30	13		5					15:30	166		185				
03:45	18	59	8	26			85	15:45	151	695	181	685			1380
04:00	12		5					16:00	154		187				
04:15	11		7					16:15	147		158				
04:30	10		4					16:30	141		159				
04:45	14	47	8	24			71	16:45	145	587	163	667			1254
05:00	8		5					17:00	152		177				
05:15	5		11					17:15	139		174				
05:30	8		10					17:30	166		163				
05:45	16	37	24	50			87	17:45	154	611	166	680			1291
06:00	20		41					18:00	147		154				
06:15	24		42					18:15	111		147				
06:30	41		45					18:30	125		141				
06:45	42	127	50	178			305	18:45	122	505	125	567			1072
07:00	45		55					19:00	122		133				
07:15	59		50					19:15	104		104				
07:30	55		54					19:30	108		74				
07:45	50	209	41	200			409	19:45	85	419	75	386			805
08:00	63		75					20:00	86		50				
08:15	68		89					20:15	96		54				
08:30	87		99					20:30	99		41				
08:45	99	317	90	353			670	20:45	90	371	42	187			558
09:00	133		128					21:00	98		29				
09:15	131		141					21:15	87		60				
09:30	125		159					21:30	75		65				
09:45	154	543	163	591			1134	21:45	50	310	54	208			518
10:00	147		166					22:00	59		41				
10:15	141		154					22:15	60		42				
10:30	145		174					22:30	65		28				
10:45	152	585	175	669			1254	22:45	58	242	24	135			377
11:00	185		214					23:00	54		21				
11:15	185		222					23:15	41		28				
11:30	196		236					23:30	42		21				
11:45	166	732	185	857			1589	23:45	28	165	19	89			254
Total Vol.		2849		3133			**5982**			5886		5708			**11594**

GPS Coordinates:

Daily Totals

NB	SB	EB	WB	Combined
8735	8841			**17576**

	AM			PM		
Split %	47.6%	52.4%	**34.0%**	50.8%	49.2%	**66.0%**
Peak Hour	11:00	11:00	**11:00**	14:30	13:15	**12:00**
Volume	732	857	**1589**	750	744	**1391**
P.H.F.	0.93	0.91	**0.92**	0.96	0.95	**0.98**

Attachment E

Trip Generation Calculations

RICK ENGINEERING COMPANY™
5620 Friars Road
San Diego, CA 92110-2596
Tel: (619) 291-0707
Fax: (619) 291-4165

Date 5/16/16
Job No. 17796
Page 2 of 3
Done By BRS
Checked By

PROPOSED BUILDING SIZE = 25,525 SF

PROPOSED USE: CHURCH → ITE LUC 560

WEEKDAY ADT: $T = 9.11(x) = 9.11(25.525) = 233$ TRIPS

50% ENTERING / 50% EXITING = 116 IN / 117 OUT

WEEKDAY AM PEAK: $T = 0.56(x) = 0.56(25.525) = 14$ TRIPS

62% ENTERING / 38% EXITING = 9 IN / 5 OUT

WEEKDAY PM PEAK: $T = 0.55(x) = 0.55(25.525) = 14$ TRIPS

48% ENTERING / 52% EXITING = 7 IN / 7 OUT

SUNDAY ADT: $T = 36.63(x) = 36.63(25.525) = 935$ TRIPS

50% ENTERING / 50% EXITING = 467 IN / 468 O

SUNDAY PEAK: $T = 12.04(x) = 12.04(25.525) = 307$ TRIPS

49% ENTERING / 51% EXITING = 150 IN / 157 O

RICK ENGINEERING COMPANY™
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San Diego, CA 92110-2596
Tel: (619) 291-0707
Fax: (619) 291-4165

Date 5/16/16
Job No. 17796
Page 3 of 3
Done By BRS
Checked By

DIFFERENCE IN TRIPS

WEEKDAY ADT: T = 233 - 178 = 55 MORE TRIPS

116 - 89 / 117 - 89 = 27 MORE IN / 28 MORE OUT

WEEKDAY AM PEAK: T = 23 - 14 = 9 LESS TRIPS

20 - 9 / 3 - 5 = 11 LESS IN / 2 MORE OUT

WEEKDAY PM PEAK: T = 25 - 14 = 11 LESS TRIPS

3 - 7 / 22 - 7 = 4 MORE IN / 15 LESS OUT

SUNDAY ADT: T = 935 - 17 = 918 MORE TRIPS

467 - 8 / 468 - 9 = 459 MORE IN / 459 MORE O

SUNDAY PEAK: T = 307 - 3 = 304 MORE TRIPS

150 - 1 / 157 - 2 = 149 IN / 155 OUT

RICK ENGINEERING COMPANY™
5620 Friars Road
San Diego, CA 92110-2596
Tel: (619) 291-0707
Fax: (619) 291-4165

Date 5/16/16
Job No. 17796
Page 1 of 3
Done By BES
Checked By

TRIP GENERATION

EXISTING BUILDING SIZE = 25,525 sf

PREVIOUS USE: LIGHT INDUSTRIAL → ITE LUC 110

WEEKDAY ADT: T = 6.97 (x) = 6.97 (25.525) = 178 TRIPS

50% ENTERING / 50% EXITING = 89 IN / 89 OUT

WEEKDAY AM PEAK: T = 0.92 (x) = 0.92 (25.525) = 23 TRIPS

88% ENTERING / 12% EXITING = 20 IN / 3 OUT

WEEKDAY PM PEAK: T = 0.97 (x) = 0.97 (25.525) = 25 TRIPS

12% ENTERING / 88% EXITING = 3 IN / 22 OUT

SUNDAY ADT: T = 0.68 (x) = 0.68 (25.525) = 17 TRIPS

50% ENTERING / 50% EXITING = 8 IN / 9 OUT

SUNDAY PEAK: T = 0.10 (x) = 0.10 (25.525) = 3 TRIPS

48% ENTERING / 52% EXITING = 1 IN / 2 OUT

General Light Industrial
(110)

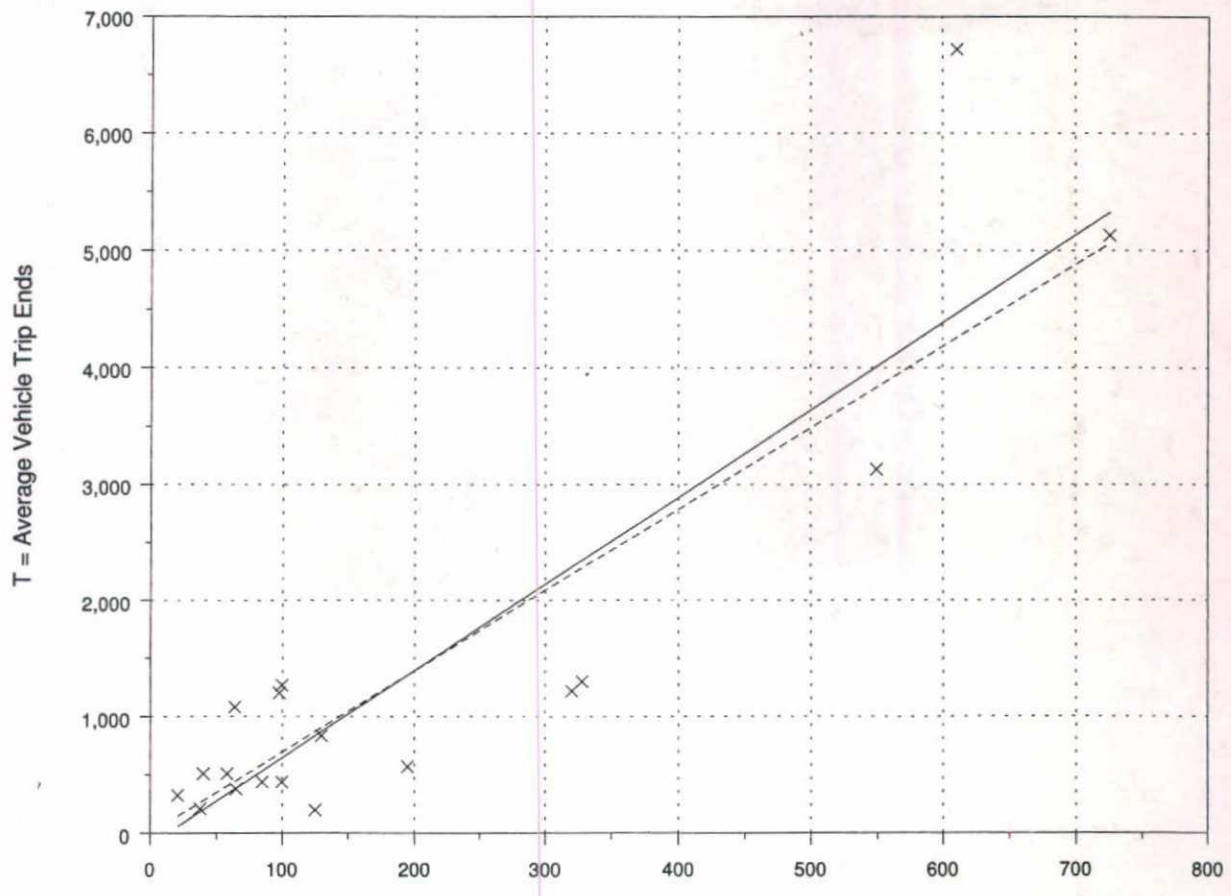
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday

Number of Studies: 18
Average 1000 Sq. Feet GFA: 203
Directional Distribution: 50% entering, 50% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
6.97	1.58 - 16.88	4.24

Data Plot and Equation



Fitted Curve Equation: T = 7.47(X) - 101.92

R^2 = 0.81

General Light Industrial
(110)

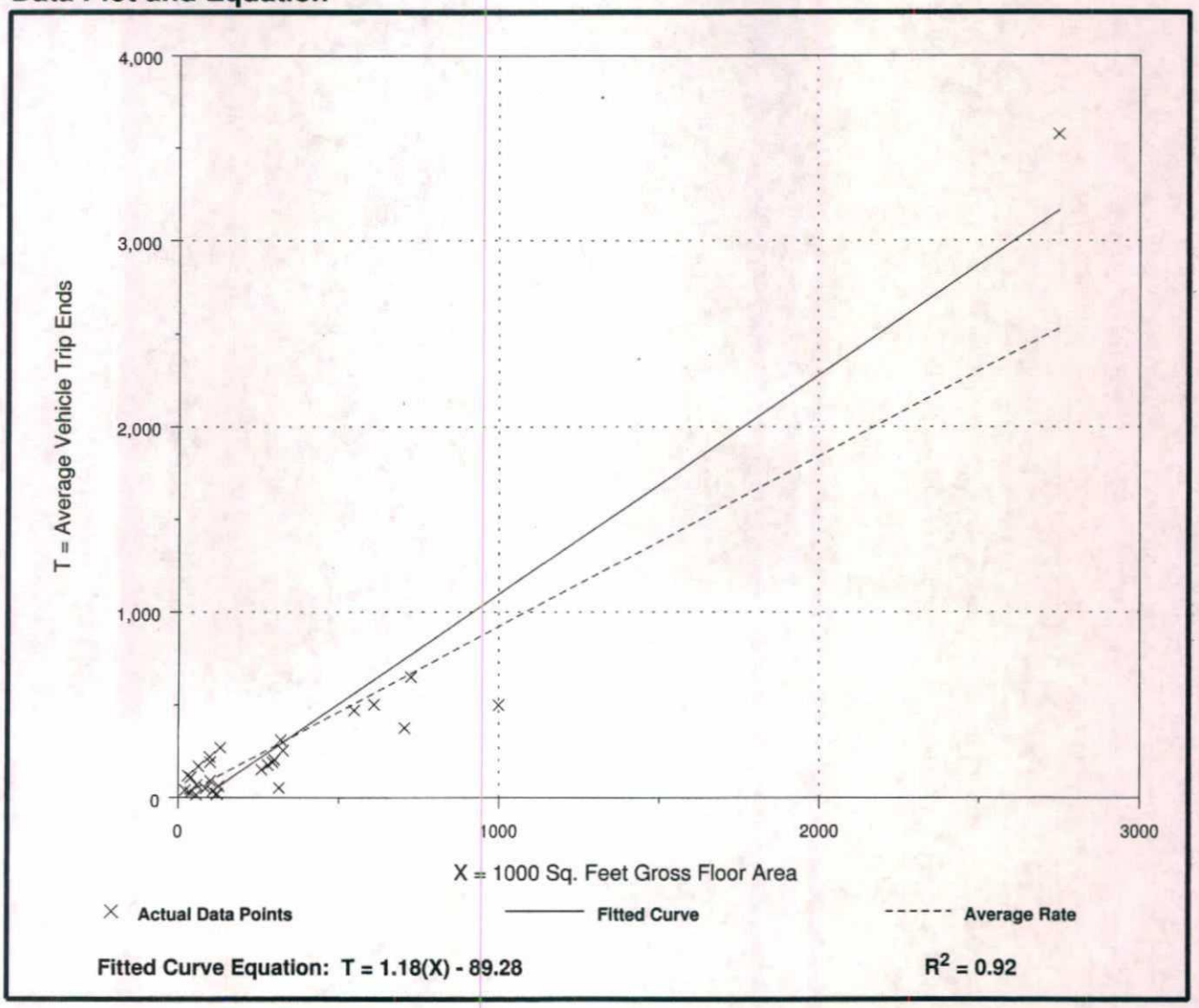
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Number of Studies: 29
Average 1000 Sq. Feet GFA: 336
Directional Distribution: 88% entering, 12% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.92	0.17 - 4.00	1.07

Data Plot and Equation



Fitted Curve Equation: T = 1.18(X) - 89.28

R^2 = 0.92

General Light Industrial
(110)

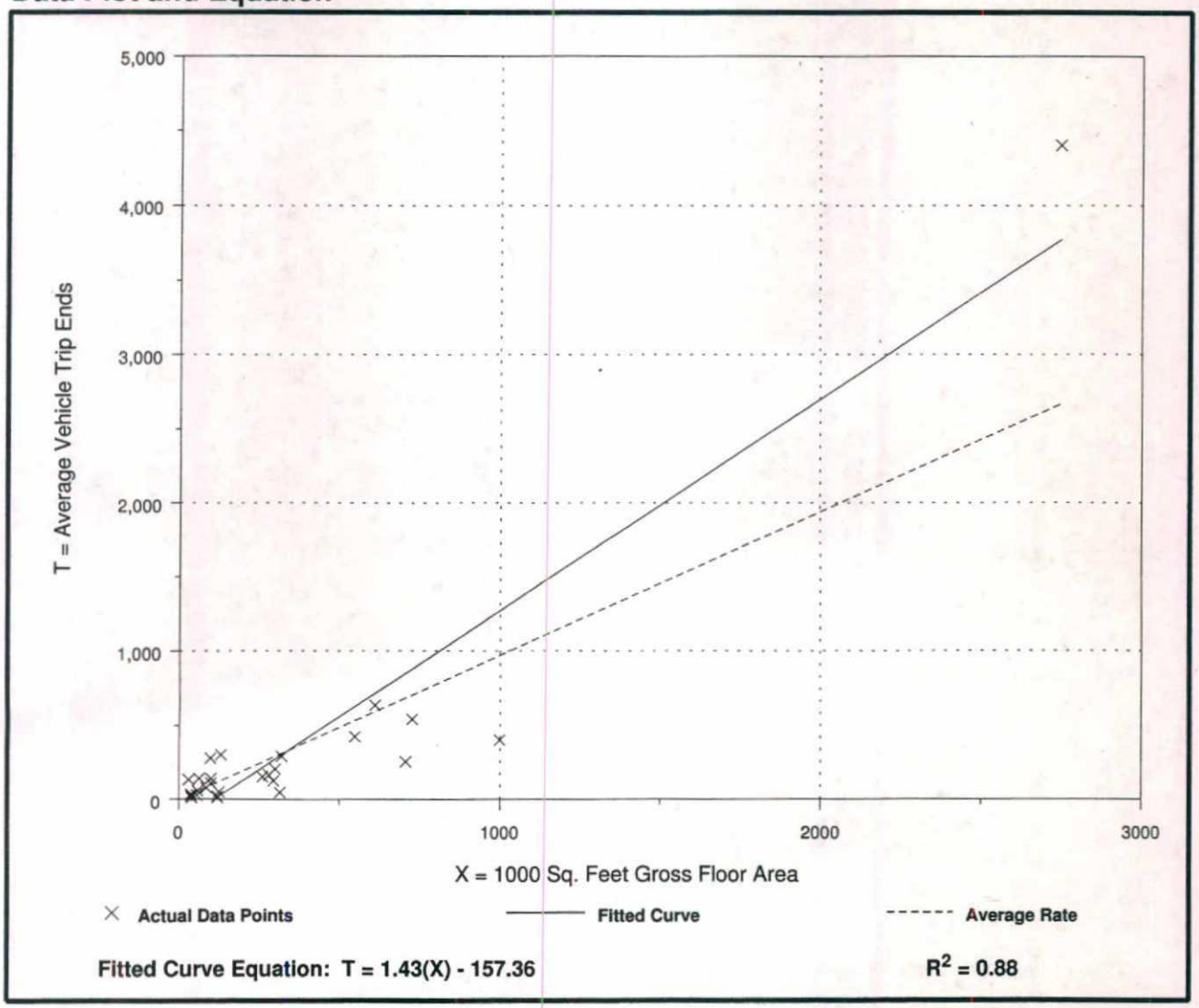
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Number of Studies: 27
Average 1000 Sq. Feet GFA: 345
Directional Distribution: 12% entering, 88% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.97	0.08 - 4.50	1.16

Data Plot and Equation



Fitted Curve Equation: T = 1.43(X) - 157.36

R^2 = 0.88

General Light Industrial
(110)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Sunday

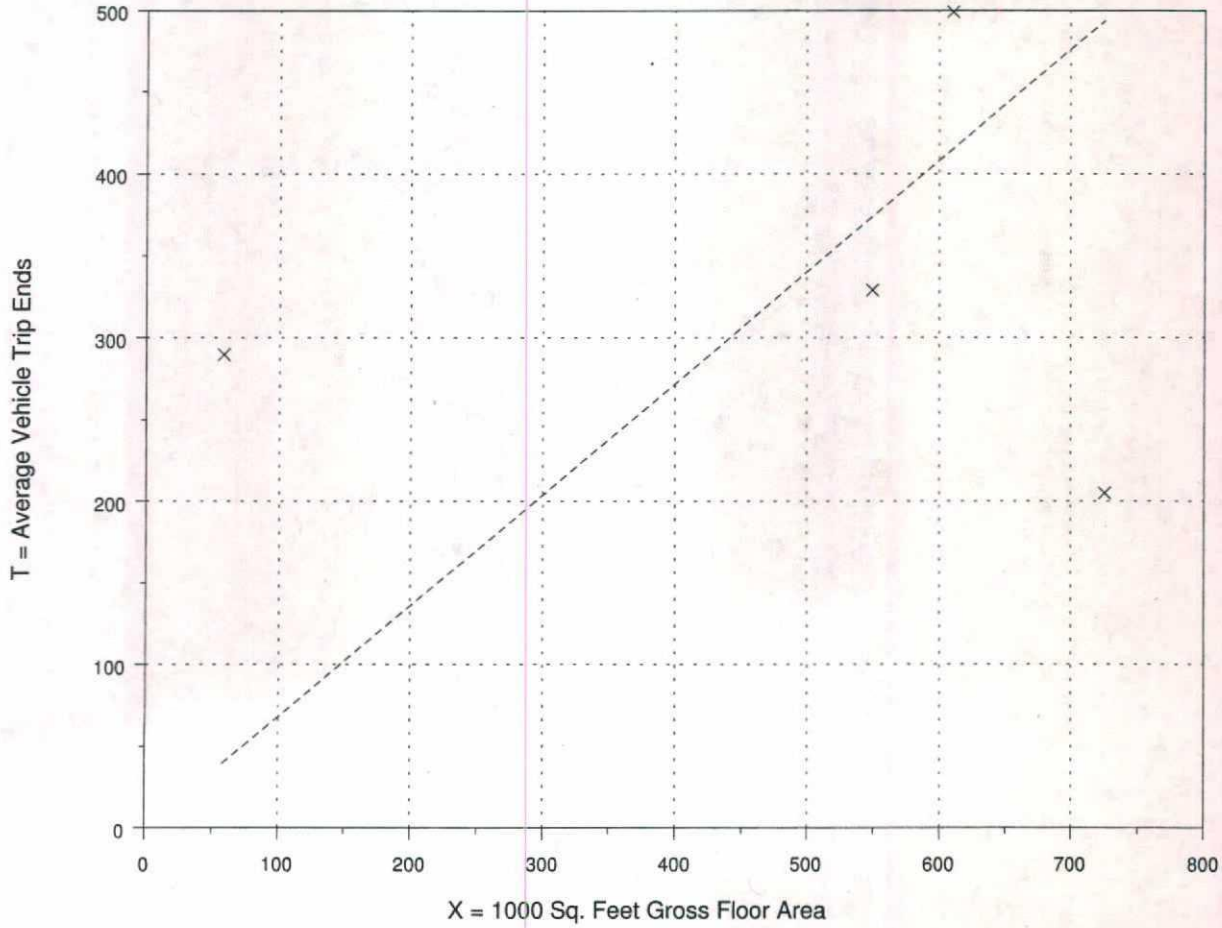
Number of Studies: 4
Average 1000 Sq. Feet GFA: 486
Directional Distribution: 50% entering, 50% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.68	0.28 - 5.00	1.14

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Fitted Curve Equation: Not given

R^2 = ****

General Light Industrial
(110)

Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Sunday,
Peak Hour of Generator

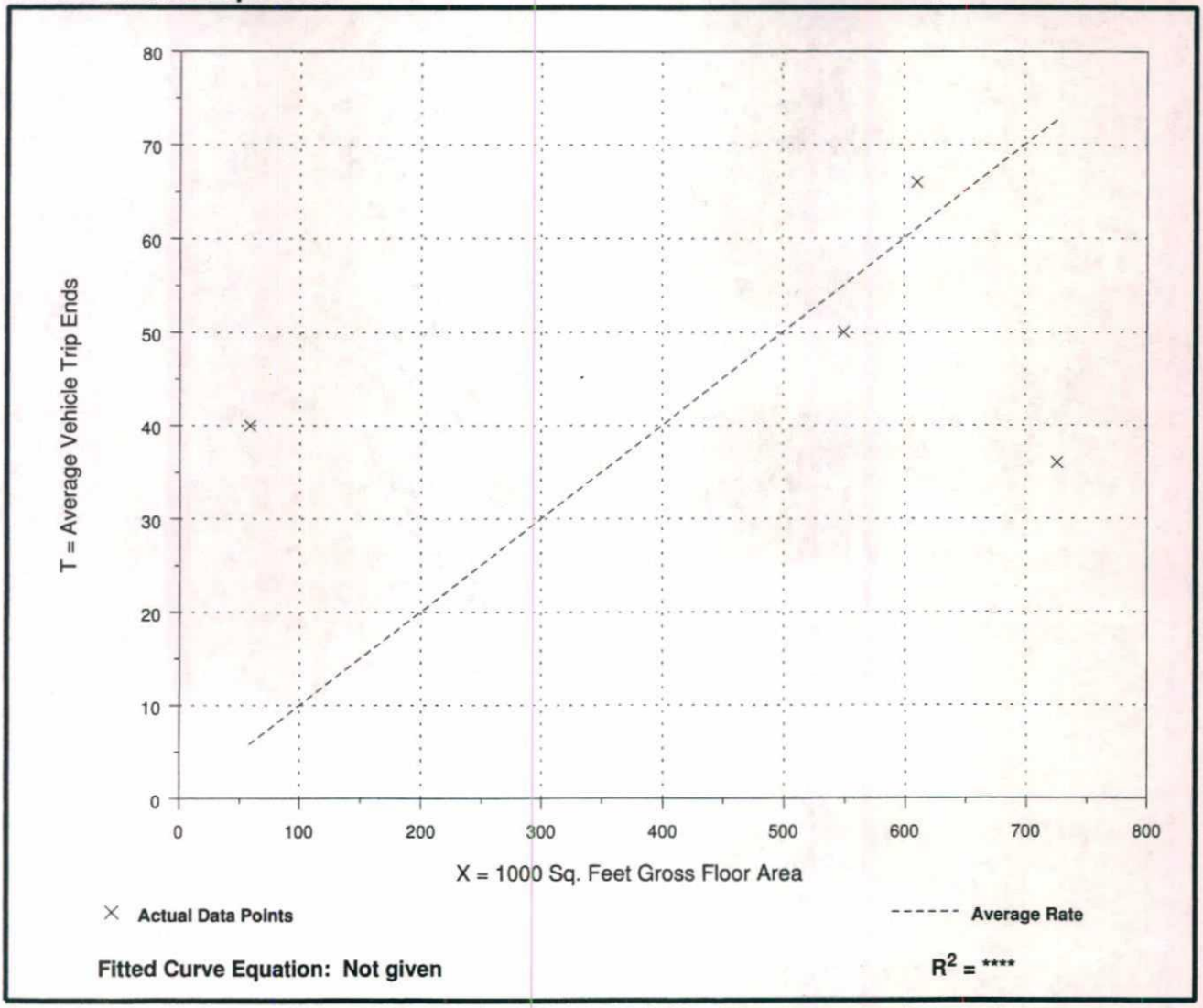
Number of Studies: 4
Average 1000 Sq. Feet GFA: 486
Directional Distribution: 48% entering, 52% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.10	0.05 - 0.69	0.33

Data Plot and Equation

Caution - Use Carefully - Small Sample Size



Fitted Curve Equation: Not given

R^2 = ****

Church
(560)

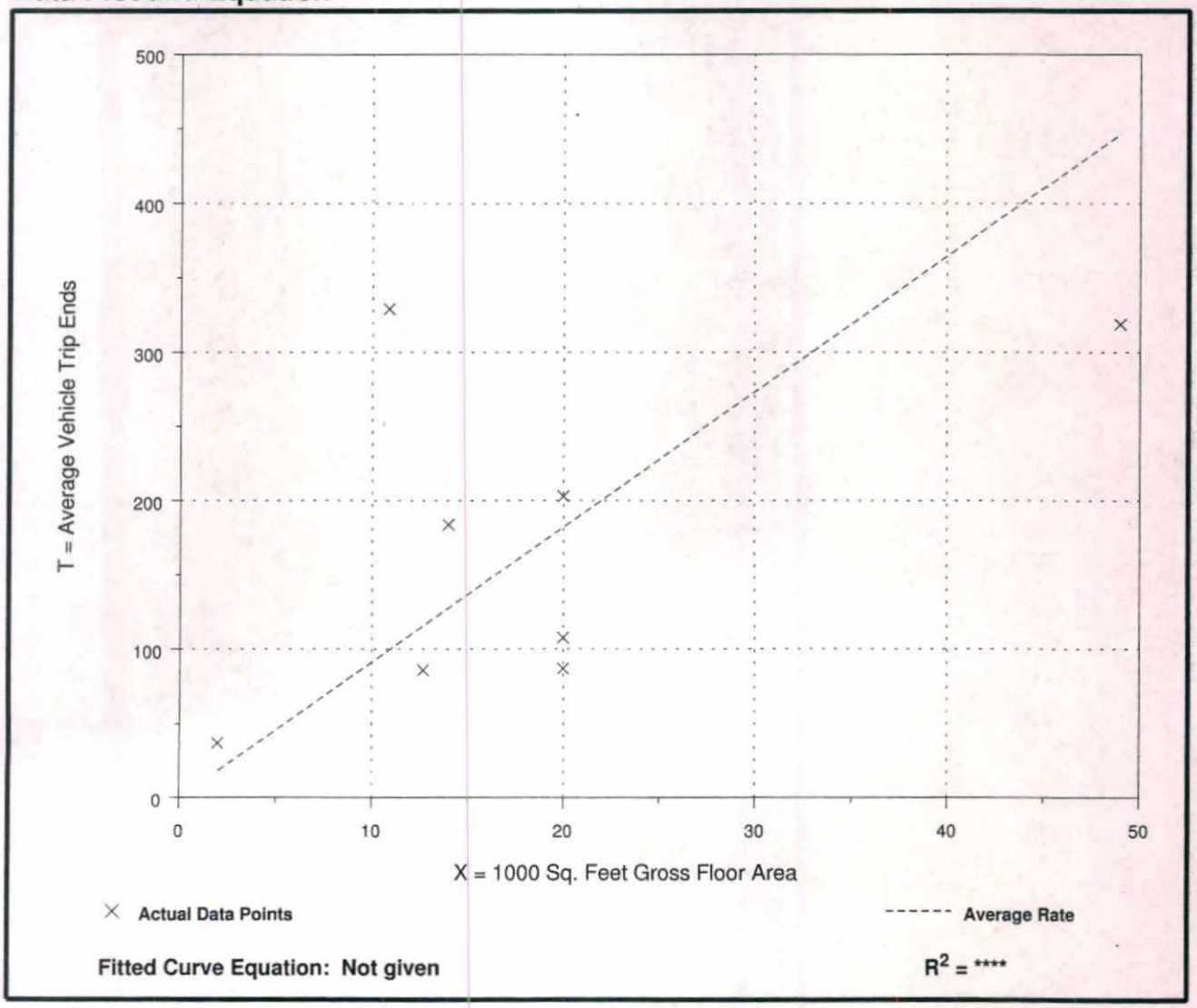
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday

Number of Studies: 8
Average 1000 Sq. Feet GFA: 19
Directional Distribution: 50% entering, 50% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
9.11	4.35 - 30.20	7.20

Data Plot and Equation



Fitted Curve Equation: Not given

R^2 = ****

Church
(560)

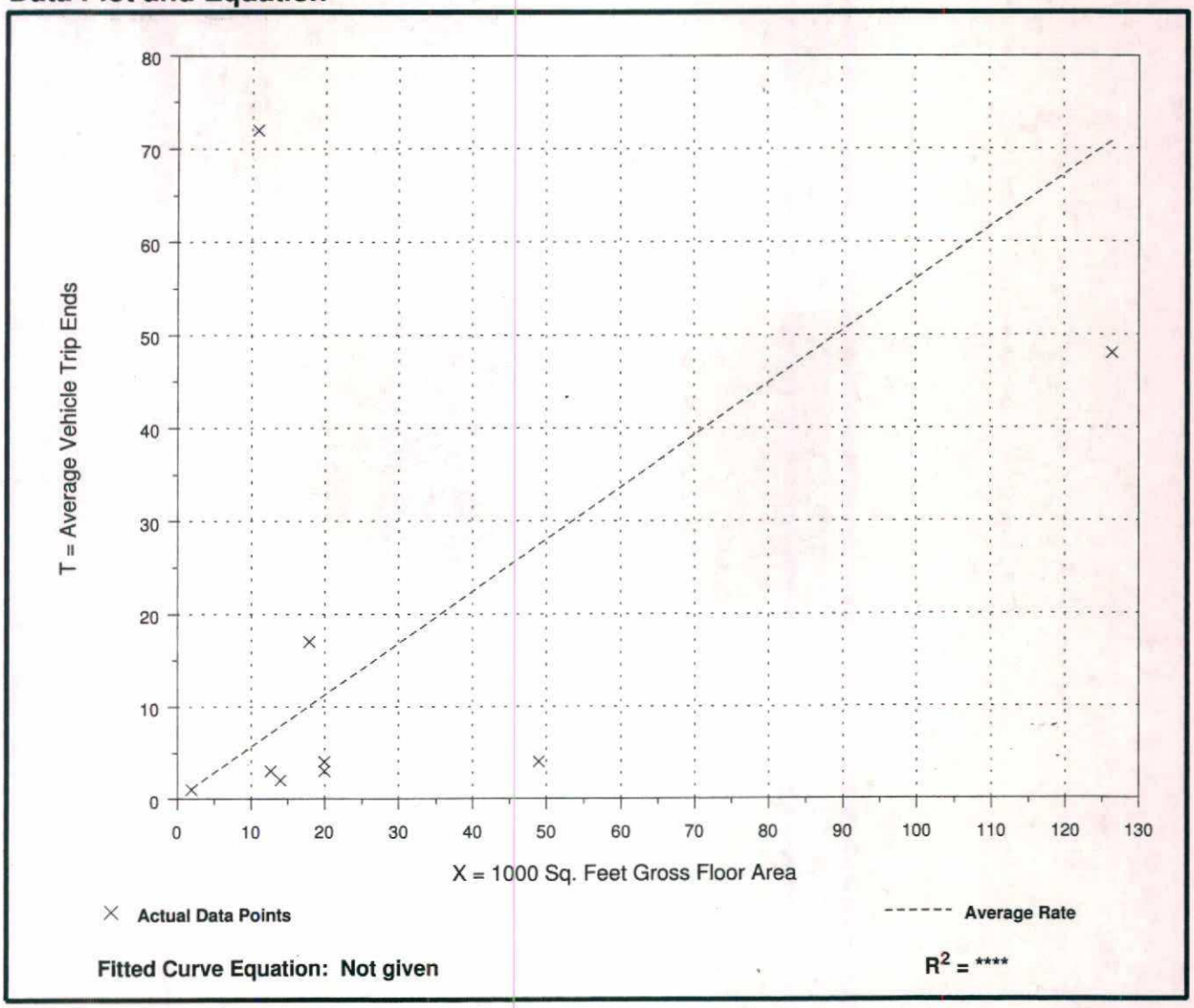
Average Vehicle Trip Ends vs: **1000 Sq. Feet Gross Floor Area**
On a: **Weekday,**
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Number of Studies: 9
Average 1000 Sq. Feet GFA: 30
Directional Distribution: 62% entering, 38% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.56	0.08 - 6.61	1.45

Data Plot and Equation



Fitted Curve Equation: Not given

R^2 = ****

Church
(560)

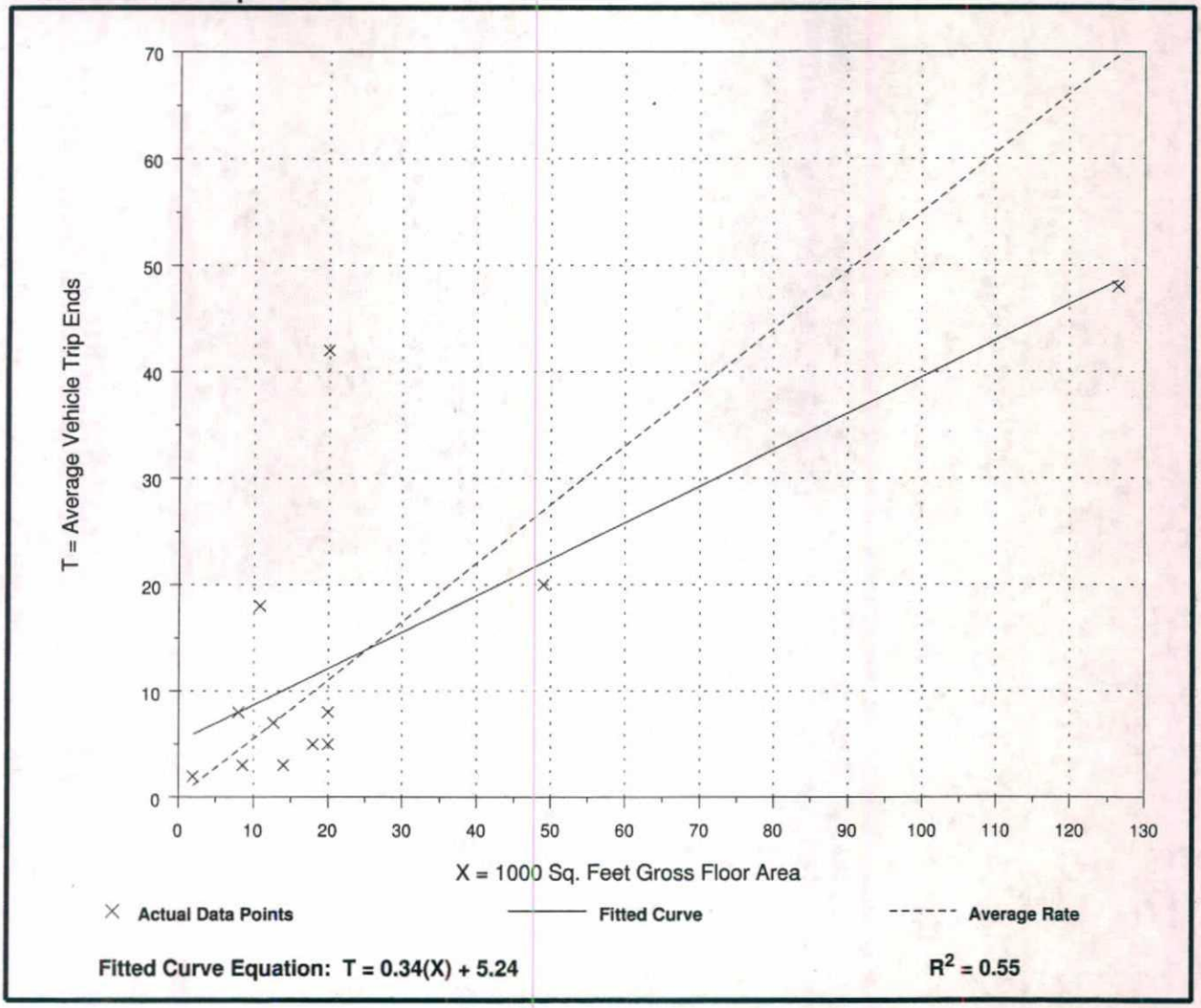
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Number of Studies: 12
Average 1000 Sq. Feet GFA: 26
Directional Distribution: 48% entering, 52% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
0.55	0.21 - 2.10	0.87

Data Plot and Equation



Fitted Curve Equation: T = 0.34(X) + 5.24

R^2 = 0.55

Church
(560)

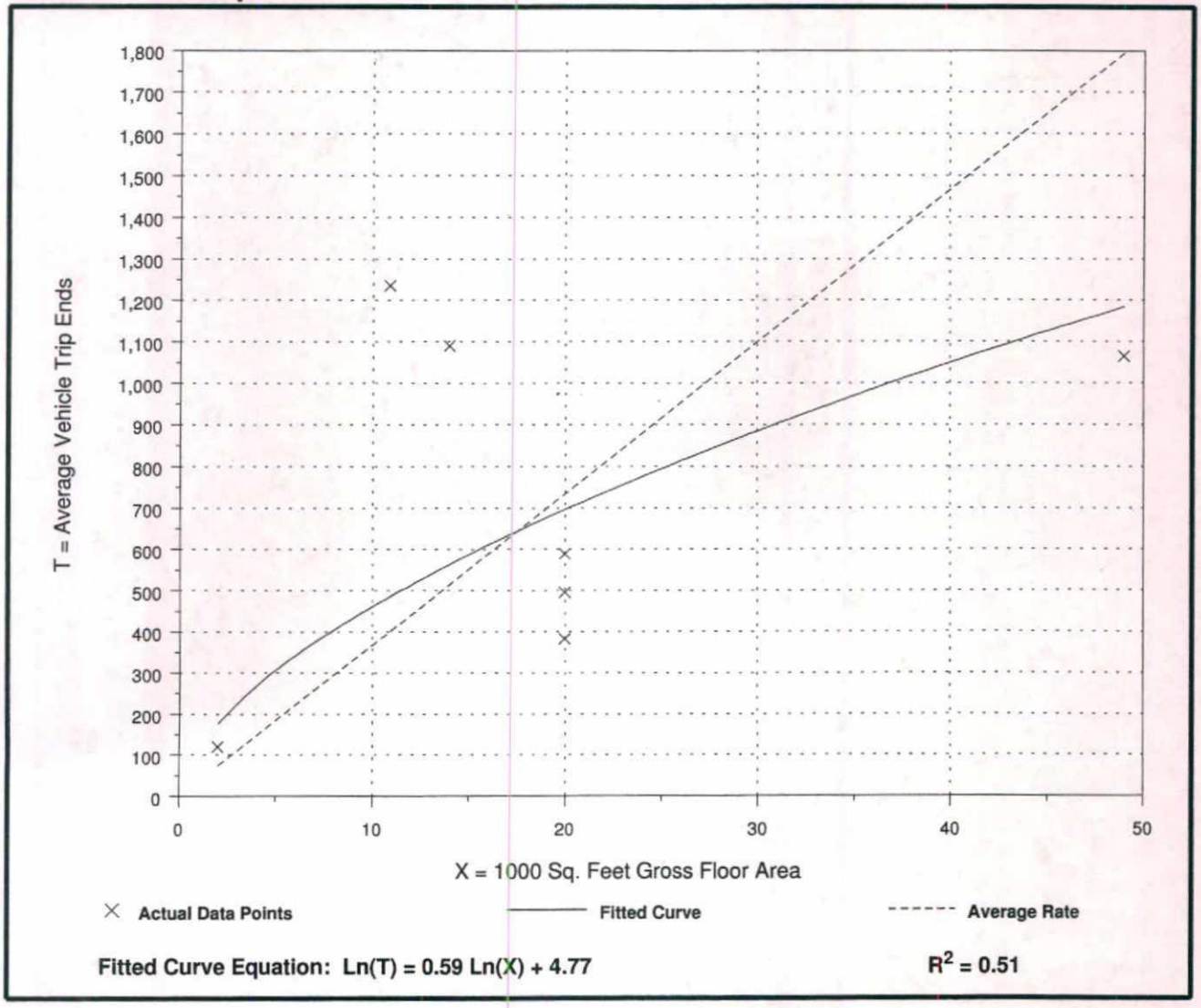
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Sunday

Number of Studies: 7
Average 1000 Sq. Feet GFA: 19
Directional Distribution: 50% entering, 50% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
36.63	19.15 - 113.38	29.13

Data Plot and Equation



Fitted Curve Equation: Ln(T) = 0.59 Ln(X) + 4.77

R^2 = 0.51

Church
(560)

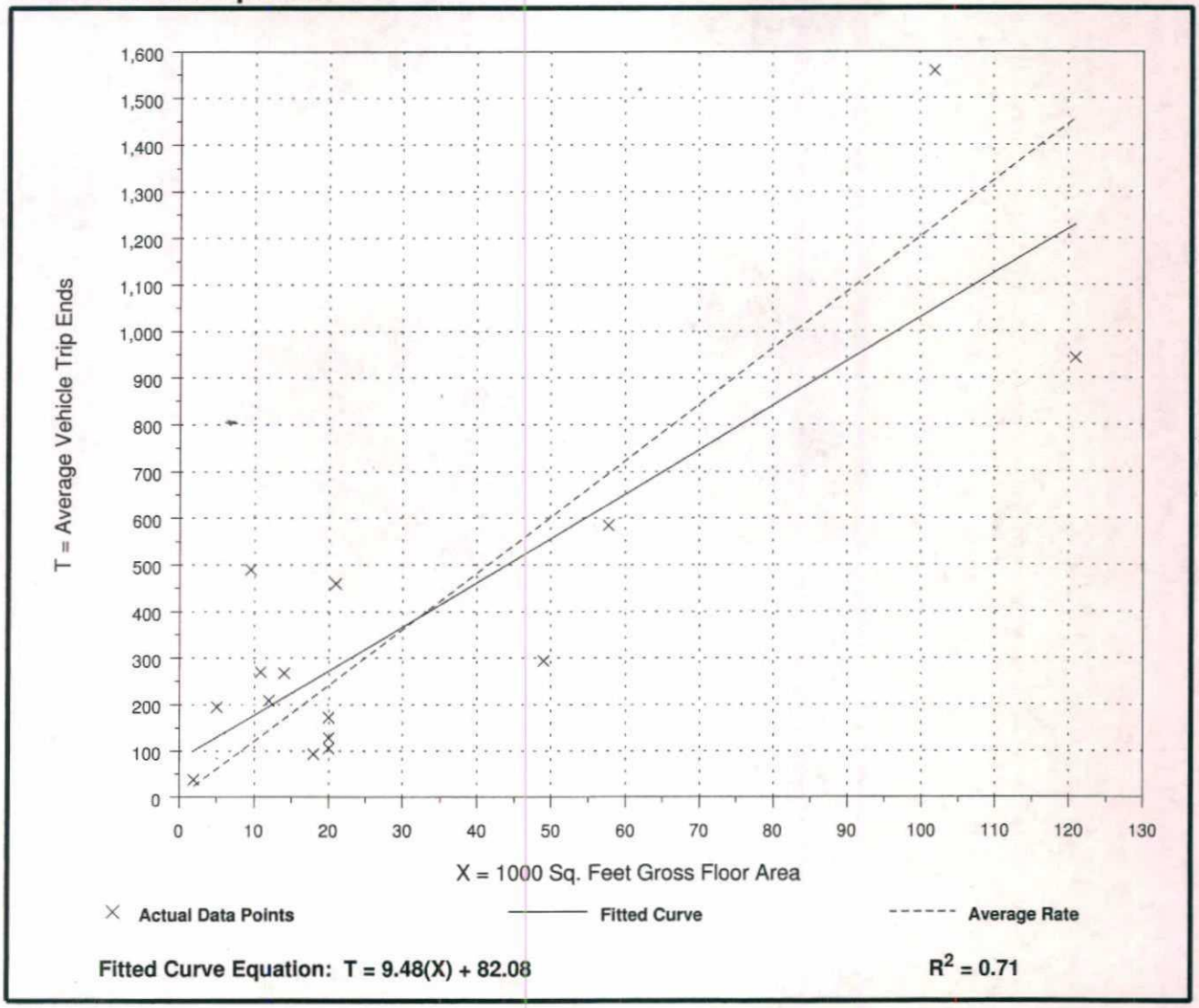
Average Vehicle Trip Ends vs: 1000 Sq. Feet Gross Floor Area
On a: Sunday,
Peak Hour of Generator

Number of Studies: 15
Average 1000 Sq. Feet GFA: 32
Directional Distribution: 49% entering, 51% exiting

Trip Generation per 1000 Sq. Feet Gross Floor Area

Average Rate	Range of Rates	Standard Deviation
12.04	5.17 - 51.27	8.72

Data Plot and Equation



Fitted Curve Equation: T = 9.48(X) + 82.08

R^2 = 0.71