

Table 1 – “Grandfathered” Status of Segments

Segment #	Type	Segment	Grandfathered?
1	Principal Arterial	Shoreline Highway (State Route 1), from Sir Francis Drake Blvd to Pt. Reyes Station	No
2	Basic Freeway	U.S. 101, from Atherton Ave. to Sonoma County Line	Yes
3	Principal Arterial	Novato Blvd. from San Marin Dr./Sutro Ave to Wilson Ave.	No
4	Principal Arterial	South Novato Blvd. from U.S. 101 to Novato Blvd.	No
5	Basic Freeway	State Route 37, from U.S. 101 to Atherton Ave	No
6	Principal Arterial	Bel Marin Keys, from U.S.101 to Commercial Blvd	Yes
7	Basic Freeway	U.S. 101, from N. San Pedro Rd. to State Route 37	Yes
8	Basic Freeway	U.S. 101, from Mission Ave. to N. San Pedro Rd.	Yes
9	Principal Arterial	Sir Francis Drake Blvd., from San Anselmo Ave. to Red Hill Ave.	Yes
10	Principal Arterial	Red Hill Ave. from Sir Francis Drake Blvd.to Hilldale Dr.	No
11	Basic Freeway	U.S. 101, from Interstate 580 to Mission Ave.	Yes
12	Principal Arterial	Sir Francis Drake Blvd., from College Ave. to Wolfe Grade	Yes
13	Basic Freeway	U.S. 101 from Tiburon Blvd. (SR 131) to Interstate 580	Yes
14	Basic Freeway	Interstate 580, from Sir Francis Drake Blvd. to Bellam Blvd.	Yes
15	Basic Freeway	Interstate 580, from Sir Francis Drake Blvd. to Richmond/San Rafael Bridge	No
16	Principal Arterial	E. Sir Francis Drake Blvd., from U.S. 101 to Larkspur Landing Cir	Yes
17	Basic Freeway	U.S. 101, from Shoreline Highway (SR 1) to Tiburon Blvd. (SR 131)	Yes
18	Principal Arterial	Tiburon Blvd. (State Route 131) from U.S. 101 to Strawberry Drive	No
19	Principal Arterial	Shoreline Highway (State Route 1), from Northern Ave. to Almonte Blvd.	Yes
20	Principal Arterial	Bridgeway Blvd.,from U.S. 101 to U.S. 101	No
21	Basic Freeway	U.S. 101 from San Francisco County Line to Shoreline	No
22	Principal Arterial	Sir Francis Drake Blvd.from Butterfield Rd. to State Route 1	Yes
23	Principal Arterial	Sir Francis Drake Blvd. from College Ave. to Toussin Ave.	Yes
24	Principal Arterial	Novato Blvd., from Wilson Ave. to Diablo Ave.	No

Table 2 – Actions Recommended by Segment

Segment #	Segment	Peak Direction	Peak Direction LOS	Action Needed
Non-Grandfathered, Satisfactory				
1	Shoreline Highway (State Route 1), from Sir Francis Drake Blvd to Pt. Reyes Station	NB	A	Within LOS Standard; No Action
3	Novato Blvd. from San Marin Dr./Sutro Ave to Wilson Ave.	NB	A	Within LOS Standard; No Action
4	South Novato Blvd. from U.S. 101 to Novato Blvd.	NB	A	Within LOS Standard; No Action
5	State Route 37, from U.S. 101 to Atherton Ave	EB	C	Within LOS Standard; No Action
10	Red Hill Ave. from Sir Francis Drake Blvd. to Hilldale Dr.	WB	C	Within LOS Standard; No Action
15	Interstate 580, from Sir Francis Drake Blvd. to Richmond/San Rafael Bridge	WB	C	Within LOS Standard; No Action
		EB	D	Within LOS Standard; No Action
18	Tiburon Blvd. (State Route 131) from U.S. 101 to Strawberry Drive	EB	C	Within LOS Standard; No Action
20	Bridgeway Blvd., from U.S. 101 to U.S. 101	NB	B	Within LOS Standard; No Action
21	U.S. 101 from San Francisco County Line to Shoreline Highway (SR1)	NB	C	Within LOS Standard; No Action
		SB	B	Within LOS Standard; No Action
24	Novato Blvd., from Wilson Ave. to Diablo Ave.	NB	E ¹	Improvement plan or deficiency plan recommended
Grandfathered, Satisfactory				
2	U.S. 101, from Atherton Ave. to Sonoma County Line	NB	D	Grandfathered; No Action
6	Bel Marin Keys, from U.S. 101 to Commercial Blvd	WB	C	Grandfathered; No Action
7	U.S. 101, from N. San Pedro Rd. to State Route 37	NB	E	Grandfathered; No Action
12	Sir Francis Drake Blvd., from College Ave. to Wolfe Grade	WB	B	Grandfathered; No Action
16	E. Sir Francis Drake Blvd., from U.S. 101 to Larkspur Landing Cir	EB	C	Grandfathered; No Action
Grandfathered, Improvement Plan Recommended				
8	U.S. 101, from Mission Ave. to N. San Pedro Rd.	NB	F	Grandfathered; Improvement Plan Recommended
9	Sir Francis Drake Blvd., from San Anselmo Ave. to Red Hill Ave.	WB	E	Grandfathered; Improvement Plan Recommended
11	U.S. 101, from Interstate 580 to Mission Ave.	NB	F	Grandfathered; Improvement Plan Recommended
13	U.S. 101 from Tiburon Blvd. (SR 131) to Interstate 580	NB	F	Grandfathered; Improvement Plan Recommended
14	Interstate 580, from Sir Francis Drake Blvd. to Bellam Blvd.	EB	F	Grandfathered; Improvement Plan Recommended
17	U.S. 101, from Shoreline Highway (SR 1) to Tiburon Blvd. (SR 131)	NB	F	Grandfathered; Improvement Plan Recommended
19	Shoreline Highway (State Route 1), from Northern Ave. to Almonte Blvd.	NB	F	Grandfathered; Improvement Plan Recommended
22	Sir Francis Drake Blvd. from Butterfield Rd. to State Route 1	WB	E	Grandfathered; Improvement Plan Recommended
23	Sir Francis Drake Blvd. from College Ave. to Toussin Ave.	WB	F	Grandfathered; Improvement Plan Recommended

¹More detailed intersection level analysis indicated that this segment operates at LOS D (acceptable)

#	Roadway Segment	Direction	# of Lanes	Type	LOS	# of Vehicles above Standard
1	Shoreline Highway (State Route 1), from Flamingo Road to Sonoma County line	NB SB	1 1	II II	A A	
2 *	U.S. 101, from State Route 37 to Sonoma County Line	NB SB	2 2	I I	F C	-2
3	Novato Blvd, from San Marin Dr/Sutro Ave to Wilson Avenue	NB SB	1 1	II II	A A	
4	South Novato Blvd, from U.S. 101 to Novato Blvd	NB SB	1 1	II II	A B	
5	State Route 37, from Sonoma County Line to U.S. 101	EB WB	2 2	I I	C A	
6 *	Bel Marin Keys, from Arroyo San Jose to U.S. 101	EB WB	2 2	II II	A C	
7 *	U.S. 101, from N. San Pedro Road to SR 37	NB NB HOV SB	3 1 4	I I I	D B D	
8 *	U.S. 101, from Mission Ave to N. San Pedro Road	NB SB	4 3	I I	D F	-105
9 *	Sir Francis Drake Blvd, from Red Hill Ave to Butterfield Rd	EB WB	2 2	II II	B E	-88
10	Red Hill Ave, from Ross Valley Drive to Sir Francis Drake Blvd	EB WB	2 2	II II	B D	
11	U.S. 101, from Interstate 580 to Mission Ave	NB SB	3 3	I I	F F	-173 -255
12	Sir Francis Drake Blvd, from U.S. 101 to College Ave	EB WB	2 2	II II	A C	
13	U.S. 101, from Tiburon Blvd (SR 131) to Interstate 580	NB SB	3 3	I I	F D	-202
14	Interstate 580, from U.S. 101 to Sir Francis Drake Blvd	EB WB	1 1	I I	F E	-684
15	Interstate 580, from Sir Francis Drake Blvd to Contra Costa County Line	EB WB	2 2	I I	E C	
16 *	E. Sir Francis Drake Blvd, from Interstate 580 to U.S. 101	EB WB	2 3	II II	F C	123
17 *	U.S. 101, from Shoreline Highway (SR 1) to Tiburon Blvd (SR 131)	NB NB HOV SB	3 1 4	I I I	D C C	






18 Tiburon Blvd (State Route 13D), from Main Street to U.S. 101	EB	2	II	B	
	WB	2	II	C	
19 Shoreline Highway (State Route 1), * from U.S. 101 to Flamingo Road	NB	1	II	C	
	SB	1	II	A	
20 Bridgeway Blvd, Alexander Avenue, and Sausalito Lateral Rd., from U.S. 101 to U.S. 101	NB	2	II	C	
	SB	2	II	C	
21 U.S. 101, from San Francisco County Line to Shoreline Highway (SR 1)	NB	4	I	C	
	SB	4	I	B	
22 Sir Francis Drake Blvd, from * Butterfield Rd to State Route 1	EB	1	II	B	
	WB	1	II	F	-140
23 Sir Francis Drake Blvd, from * College Ave to Red Hill Ave	EB	1	II	E	-75
	WB	1	II	F	-252
24 Novato Blvd, from Wilson Avenue to Diablo Ave	NB	1	II	C	
	SB	1	II	D	

Notes

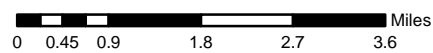
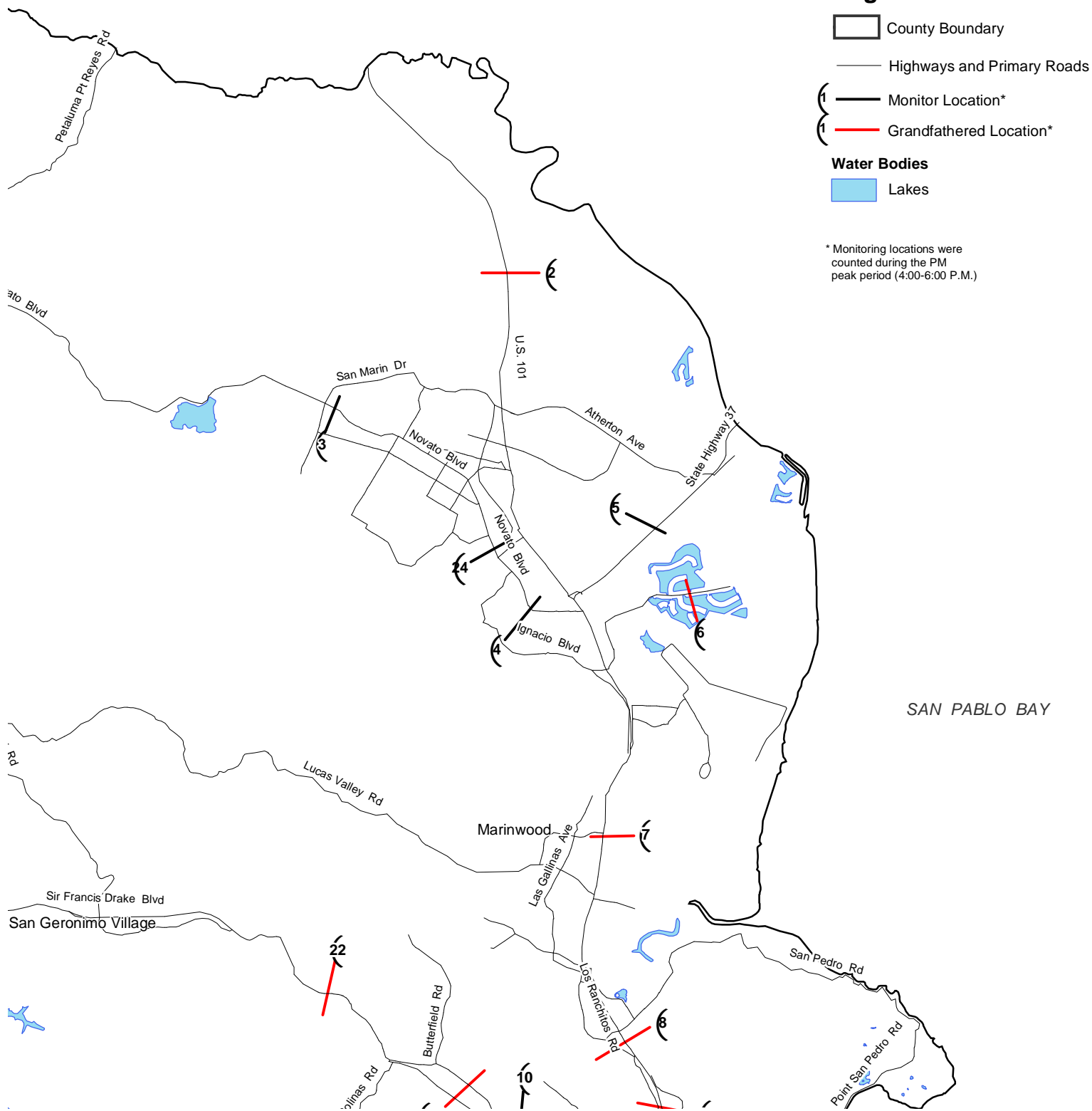
*Grandfathered segment not subject to deficiency plan

GRANDFATHERED ROADWAY LOCATIONS FOR LEVEL OF SERVICE

Legend

-  County Boundary
 -  Highways and Primary Roads
 -  Monitor Location*
 -  Grandfathered Location*
- Water Bodies**
-  Lakes

* Monitoring locations were counted during the PM peak period (4:00-6:00 P.M.)



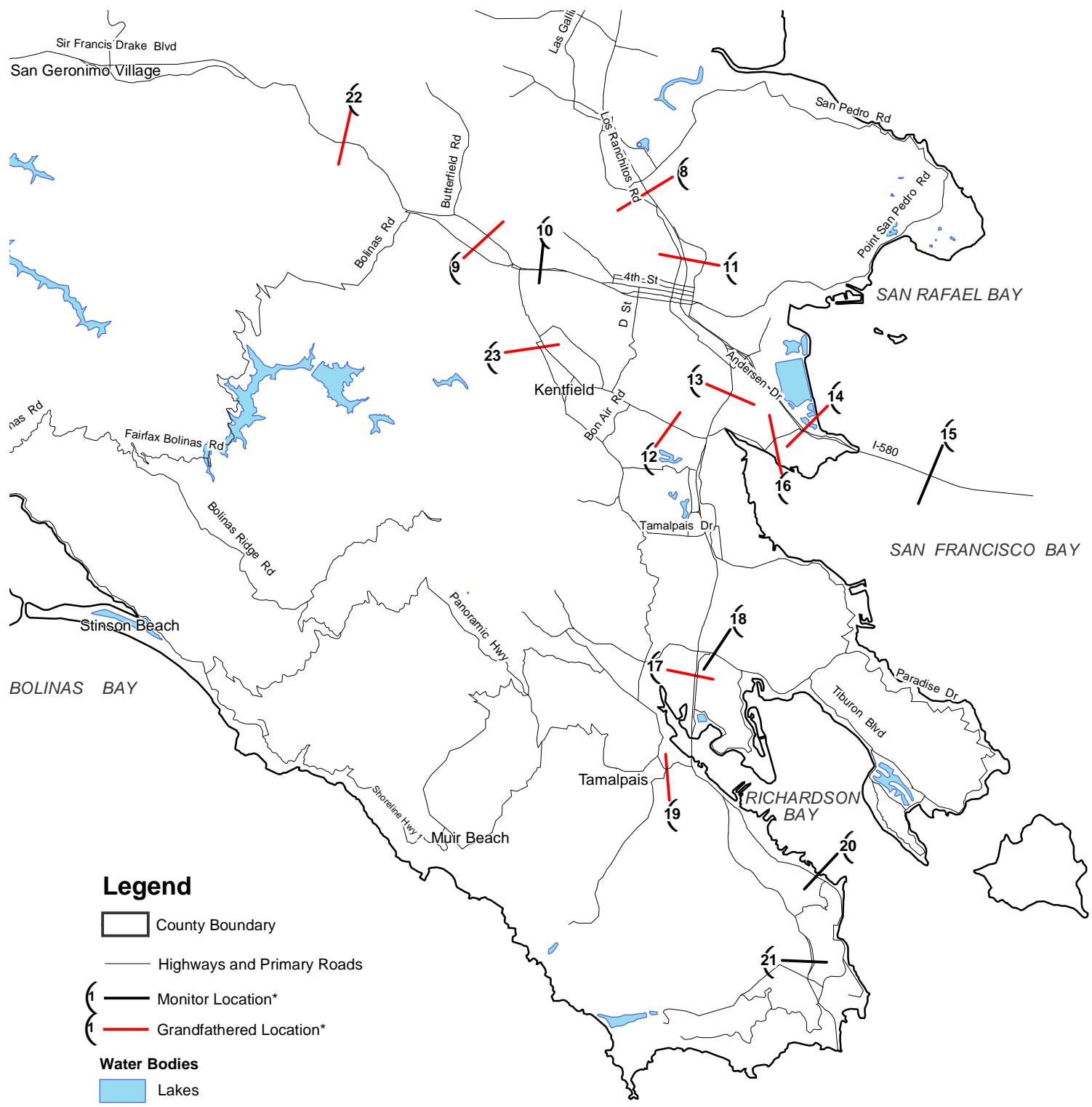
SOURCE: Marin County Congestion Management Program
2003 Performance Measures Monitoring Report

Date: April 17, 2007

File: grandfathered_roadways 1.mxd

THIS MAP WAS DEVELOPED FOR GENERAL PLAN PURPOSES.
THE COUNTY OF MARIN IS NOT RESPONSIBLE OR LIABLE FOR
USE OF THIS MAP BEYOND ITS INTENDED PURPOSE.

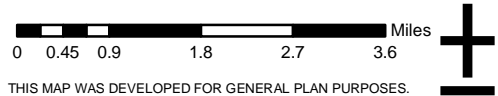
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Land Use: 220

Apartment

Description

Apartments are rental dwelling units that are located within the same building with at least three other dwelling units, for example quadrplexes and all types of apartment buildings. The studies included in this land use did not identify whether the apartments were low-rise, mid-rise, or high-rise. Low-rise apartment (Land Use 221), high-rise apartment (Land Use 222) and mid-rise apartment (Land Use 223) are related uses.

Additional Data

This land use included data from a wide variety of units with different sizes, price ranges, locations and ages. Consequently, there was a wide variation in trips generated within this category. As expected, dwelling units that were larger in size, more expensive, or farther away from the central business district (CBD) had a higher rate of trip generation per unit than those smaller in size, less expensive, or closer to the CBD. Other factors, such as geographic location and type of adjacent and nearby development, may also have had an effect on the site trip generation.

The peak hour of the generator typically coincided with the peak hour of the adjacent street traffic.

The sites were surveyed from the late 1960s to the 2000s throughout the United States and Canada.

Source Numbers

2, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 19, 20, 34, 35, 40, 72, 91, 100, 108, 188, 192, 204, 211, 253, 283, 357, 436, 525, 530, 579, 583

Land Use: 223

Mid-Rise Apartment

Description

Mid-rise apartments are apartments (rental dwelling units) in rental buildings that have between three and ten levels (floors). Apartment (Land Use 220), low-rise apartment (Land Use 221) and high-rise apartment (Land Use 222) are related uses.

Additional Data

The peak hour of the generator typically coincided with the peak hour of the adjacent street traffic.

The sites were surveyed in the late 1980s in Montgomery County, Maryland.

Source Number

321