





Tools to Inventory Pedestrian Crossing Infrastructure

Lorraine Moyle, Florida DOT Carey Shepherd, FHWA Florida Division Tim Fremaux, Los Angeles DOT April 10, 2018



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⇒ Webinar issues?

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AINING & EVENTS ebinars	Webinars
vable Communities ed Focus Series SAP Series	The Pedestrian and Bicycle Information Center (PBIC) offers webinars on a variety of topics related to pedestrian and bicycle safety. Sign up for our <u>newsletter</u> to receive webinar announcements, and follow us on <u>Facebook</u> and <u>Twitter</u> .
dditional Webinars	Upcoming Webinars
Person Training	4/10/2018 - Tools to Inventory Pedestrian Crossing Infrastructure Presented by: Tim Fremaux, Los Angeles Department of Transportation; Lorraine Moyle, Florida Department of Transportation; and Carey Shepherd, FHWA-Florida Division
nstructors	To stay up to date on upcoming webinars, sign up for our <u>newsletter</u> .
ourse References or Instructors	Recently Delivered Webinars
onferences & vents	1/30/2018 - Selecting Countermeasures for Uncontrolled Crossing Locations Presented by: Gabe Rousseau, FHWA; Lauren Blackburn, VHB; and Charlie Zegeer, UNC Highway Safety Research Center.
	12/14/2017 - Safety Performance Measures for Bicyclists and Pedestrians Presented by: David Kopacz, Federal Highway Administration; Amy Schick, National Highway Traffic Safety Administration.
	12/11/2017 - Determining the Safety Impacts of Bicycling and Walking Investments Presented by: Daniel Carter and Raghavan Srinivasan, UNC Highway Safety Research Center.



The Fabulous Five: STEP Countermeasures



Crosswalk Visibility Enhancements



Raised Crosswalk



Pedestrian Refuge Island



Pedestrian Hybrid Beacon (PHB) Road Diet

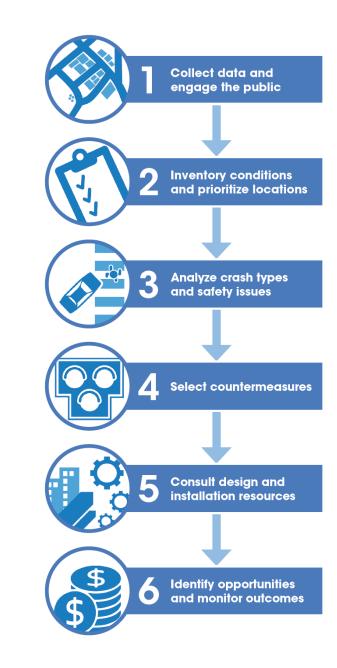
For more information about Rectangular Rapid Flashing Beacon (RRFB) interim approvals, please visit this website: https://mutcd.fhwa.dot.gov/resources/interim_approval/ia21/index.htm

Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations

Follows a 6-step process

Guides the selection of countermeasures to improve pedestrian safety

Supported by a "Field Guide for Selecting Countermeasures at Uncontrolled Pedestrian Crossing Locations"



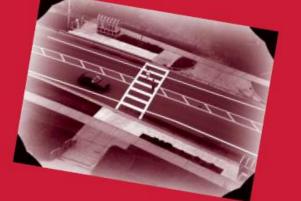
Safety Effects of Marked Versus Unmarked Crosswalks at Uncontrolled Locations

Final Report and Recommended Guidelines

FHWA PUBLICATION NUMBER: HRT-04-100

SEPTEMBER 2005





U.S. Department of Transportation Federal Highway Administration

Research, Development, and Technology Turner-Fairbank Highway Research Center 6300 Georgetown Pike McLean, VA 22101-2296







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Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations

													Spe	eed	l Lin	nit														
	≤ 30 I	mph	3	5 mj	bh	≥	40	mph	4	≤ 3 0	mp	h	3	85 n	nph		≥/	40 r	mph	≤	30	mp	bh		35	mph	ı	24	10 m	iph
Roadway Configuration		Veh	icle	AAD	<9	,00	0			٧	/ehi	cle	AAC	DT 9	9,00	0-0	-15,	,000)			۷	ehi	cle	AAI	DT >	15,	000)	
2 lanes*	02 56	34	0 5	67	-	0 5		6) 7	0 5	6	3	4	0 5	6	❸ 7		0 5	6	8 7	0 5		3 7	4	1 5		❸ 7		0 5	6	-
3 lanes with raised median*	02 5	34	0 5	6)	0 5		3	05		3 7	4	0 5		8 7		0 5		6	05		ම 7	4	0 5		8 7		0 5	6	_
3 lanes w/o raised median [†]	<pre> 2 5 6 </pre>	34 7	0 5	67		0 5	6	8	05	6	3 7	4	0 5		6		0 5	6	8	0		3 7		0 5		8		0	6	3
4+ lanes with raised median [‡]		8	0	6)	0 5		8 0	0)	8 7		0		8		0 5	(8 0	0		8		0 5)	8		0	6	3
4+ lanes w/o raised median [‡]	0	€ 78	0	, () () () ()		0	0	8	0)	8	8	0		3	8	0	(6 6 7 8	0		8		05)	8	8	0	00	3

*One lane in each direction

[†]One lane in each direction with two-way left-turn lane

[‡]Two or more lanes in each direction

Given the set of conditions in a cell,

- Signifies that the countermeasure should always be considered, but not mandated or required, based upon engineering judgment at a marked uncontrolled crossing location.
- # Signifies that the countermeasure is a candidate treatment at a marked uncontrolled crossing location.

The absence of a number signifies that the countermeasure is generally not an appropriate treatment, but exceptions may be considered following engineering judgment.

- High-visibility crosswalk markings, parking restriction on crosswalk approach, adequate nighttime lighting levels
- 2 Raised crosswalk
- 3 Advance Yield Here To (Stop Here For) Pedestrians sign and yield (stop) line
- 4 In-Street Pedestrian Crossing sign
- 5 Curb extension
- 6 Pedestrian refuge island
- 7 Pedestrian Hybrid Beacon
- 8 Road Diet

This table was developed using information from: Zegeer, C. V., Stewart, J. R., Huang, H. H., Lagerwey, P. A., Feaganes, J., & Campbell, B. J. (2005), Safety effects of marked versus unmarked crosswalks at uncontrolled locations: Final report and recommended guidelines (No. FHWA-HRT-04-100); Manual on Uniform Traffic Control Devices, 2009 Edition, Chapter 4F. Pedestrian Hybrid Beacons; the Crash Modification Factors (CMF) Clearinghouse website (http://www.cmfclearinghouse.org/); and the Pedestrian Safety Guide and Countermeasure Selection System (PEDSAFE) website (http://www.pedbikesafe.org/PEDSAFE/).

		Safe	ety Issue Addres	ssed	
Pedestrian Crash Countermeasure for Uncontrolled Crossings	Conflicts at crossing locations	Excessive vehicle speed	Inadequate conspicuity/ visibility	Drivers not yielding to pedestrians in crosswalks	Insufficient separation from traffic
Crosswalk visibility enhancement	Ķ	Ķ	Ķ	Ķ	ķ
High-visibility crosswalk markings*	Ķ		Ķ	Ķ	
Parking restriction on crosswalk approach*	Ķ		Ķ	Ķ	
Improved nighttime lighting*	Ķ		Ķ		
Advance Yield Here To (Stop Here For) Pedestrians sign and yield (stop) line*	Ķ		Ķ	Ķ	Ķ
In-Street Pedestrian Crossing sign*	Ķ	Ķ	Ķ	ķ	
Curb extension*	Ķ	Ķ	Ķ		Ķ
Raised crosswalk	Ķ	Ķ	Ķ	Ķ	
Pedestrian refuge island	Ķ	Ķ	Ķ		Ŕ
Pedestrian Hybrid Beacon	Ķ			Ķ	
Road Diet	Ķ	ķ	Ķ		ķ



U.S. Department of Transportation
Federal Highway Administration



FHWA EVERY DAY COUNTS 4 / STEP

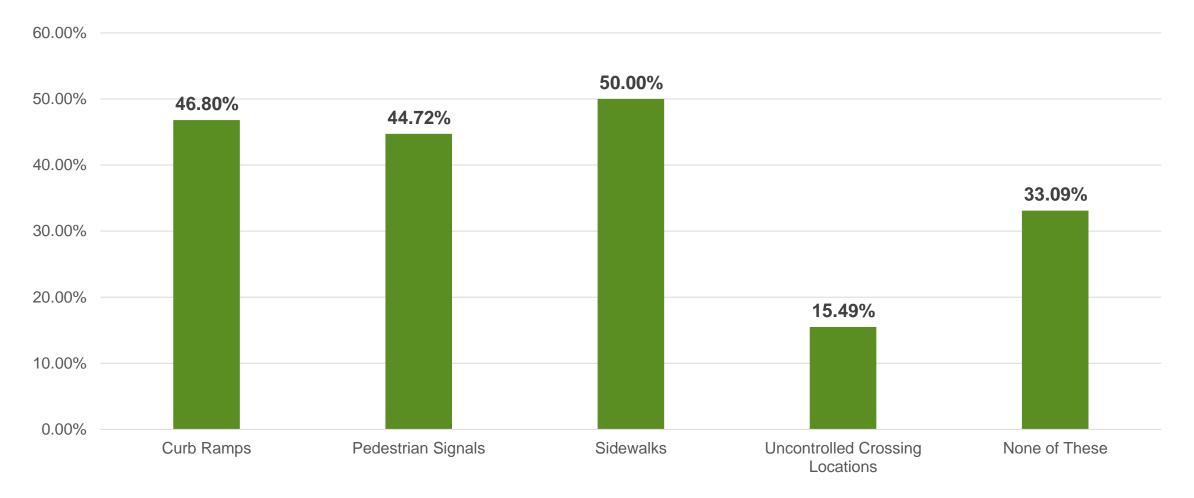
For Additional Information Contact:

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_4/step.cfm

Becky Crowe FHWA Office of Safety (804) 775-3381 Rebecca.Crowe@dot.gov Peter Eun FHWA Resource Center (360) 753-9551 Peter.Eun@dot.gov

What type(s) of inventory has your agency collected?

Percent of attendee responses during January 30 webinar



0

U.S. Department of Transportation Federal Highway Administration Florida Division







SAPFIM

Safe and Accessible Pedestrian Facilities Inventory Model

BACKGROUND



- Vulnerable road users are an emphasis area for local and state transportation agencies, particularly with regard to safety and accessibility.
- Traditionally both State DOTs and Local Public Agencies (LPAs) struggle with developing system-wide plans for transitioning noncompliant pedestrian rights of way as required by the Americans with Disabilities Act of 1990 (ADA) and related authorities.
- Funding is increasingly uncertain. Agencies need cost effective, tech savvy tools that support safety and equity goals, but also make best use of available transportation funds.
- FDOT, in cooperation with FHWA, Broward MPO and the Lehman Center for Transportation Research at Florida International University (FIU) is committed to developing and sharing resources to meet these needs.

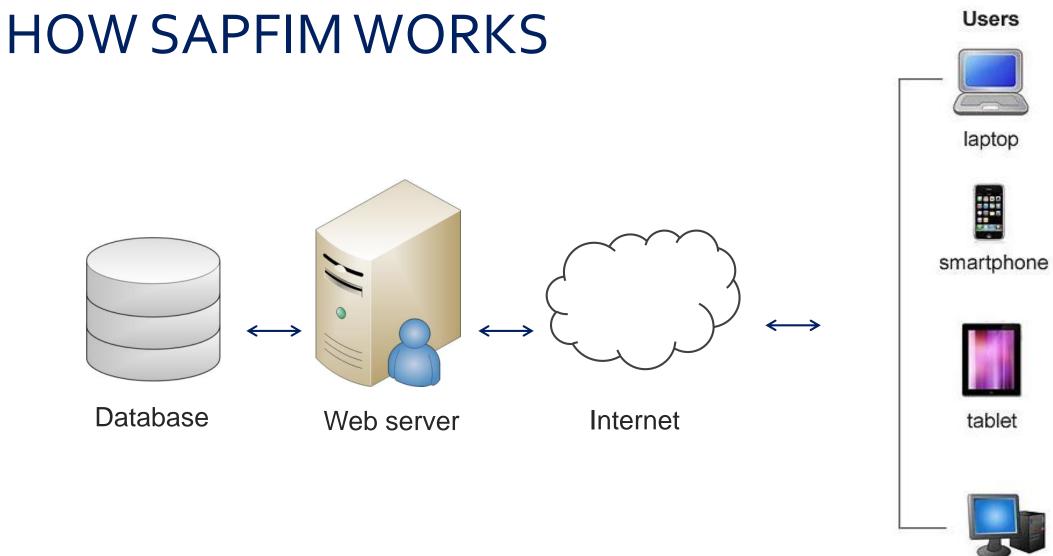
SAPFIM was developed with 3 objectives in mind:

- •To provide SDOTs, LPAs, MPOs and other transportation agencies an effective, low cost/no cost means of collecting, storing, querying, and reporting the condition of pedestrian facilities.
- •To ensure a means of identifying and assessing safety and accessibility of features associated with **sidewalks, curb ramps, and street crossings**, at a minimum.
- •To provide an easy and convenient method of collecting data for direct upload into a web server.

How SAPFIM was developed

- Stakeholder input
- Meetings to gather technical and legal requirements
- Creation of database and user interface
- Stakeholder testing
- Training and support development
- Final testing
- Release and marketing





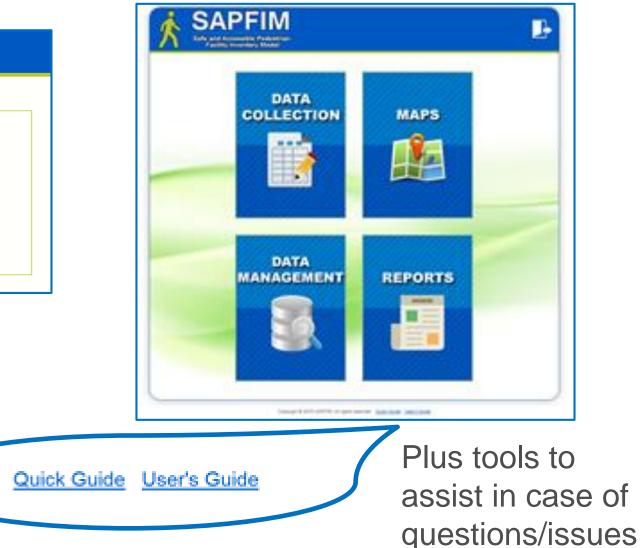
SAPFIM DATA FLOW DIAGRAM

desktop

Logging In to SAPFIM:

Login—				
Username:	demo)
Password:)
			LOGIN	

Login – FIU will maintain a test system at least until 12/2018: <u>http://sapfim.fiu.edu/</u> Username: demo Pssword: SAPFIM The opening page is intuitive, simple to navigate



The First Feature is DATA COLLECTION





Collect data and enter it into the prescribed fields on a tablet, pad or smart phone

NOTE: Fields are easy to populate with drop-downs and yes/no questions to help collect info. Maps are automatic and interactive. Pics may be taken and included

	SAPFIN
N	Safe and Accessible Pedest Facility Inventory Mode

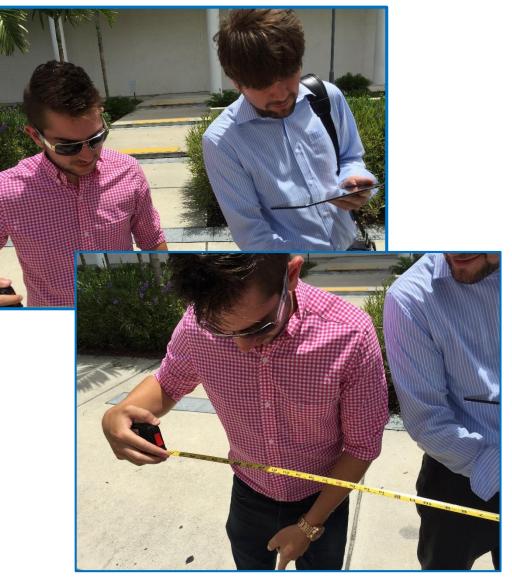
Sidewalks Ramps Crossing

Sidewalks

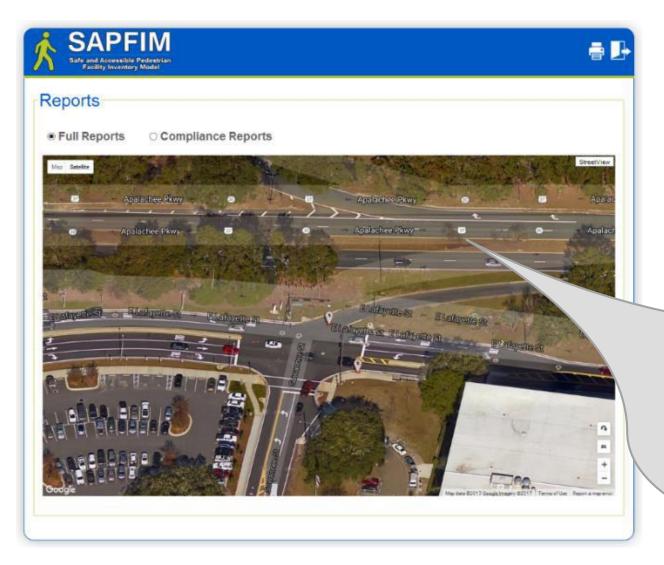
	Map Satellite
Is there a Sidewalk? OYes ONo Location:	White wide wide by the second se
On Street: At Street:	Tallahass The Loan
Notes:	Village Square Bivd
	Village Square Bivd Village Square Bivd U
<u>v</u>	
⊢ Information	e Blvd
Sidewalk Width: inches Running Slope: %	Perperts Mexican Gnil & Centine
Cross Slope: 💽 % Change in Level: 🔽	Titus Sports Academy
Horizontal Opening: (Perpendicular to Path)	
Protruding Object	SunTrust SunTrust Bang
Sign Panel: ≥27" ≤80" AWS OYes ONo	ENDAL BRANCH
Overhangs Sidewalk	
Landscape Material: ≥27" ≤80" AWS OYes ONo	Smith Thompson Shaw
Overhangs Sidewalk	
Other: ≥27" ≤80" AWS OYes ONo	
Overhangs Sidewalk	Regions Bank
Physical Constraint	A Constant and the second of the

Further, Data Collectors need not be experts!

- Compliance determinations and prioritizing repairs occur in the Reports function, not Data Collection
- This makes SAPFIM ideal for school internships, community groups, Bike-Ped committees or faith based organizations – NOT just public works or maintenance staff
- Not every possible feature is included (though SAPFIM can be modified in future).
- Currently there are 42 data points for sidewalks, 23 for ramps and 23 for crossings



The Second Feature is Reports



Reports can be 'Full', providing complete data for all fields; or 'Compliance' which quickly assesses whether fields are compliant with the ADA Standards and even PROWAG complete Collect data and enter it into the prescribed fields on a tablet, pad or smart phone

By clicking on any icon (S, R or C) you can determine whether it is in compliance

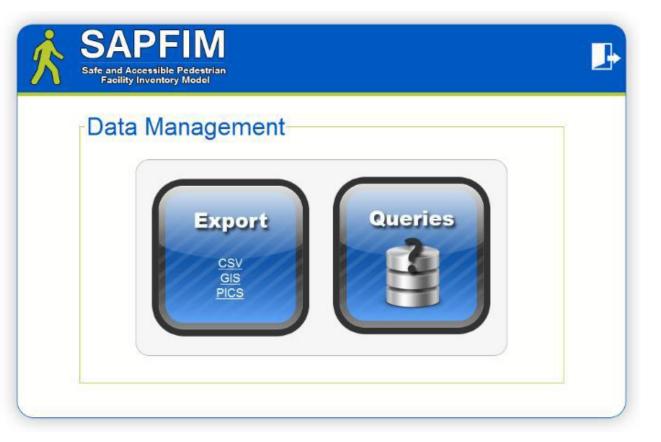
The Third Feature is MAPS



Maps allows agencies to print or save a map along with the collected data. As with the Reports feature, clicking on a sidewalk, ramp or crossing icon will display a corresponding map

The Final Feature is DATA MANAGEMENT

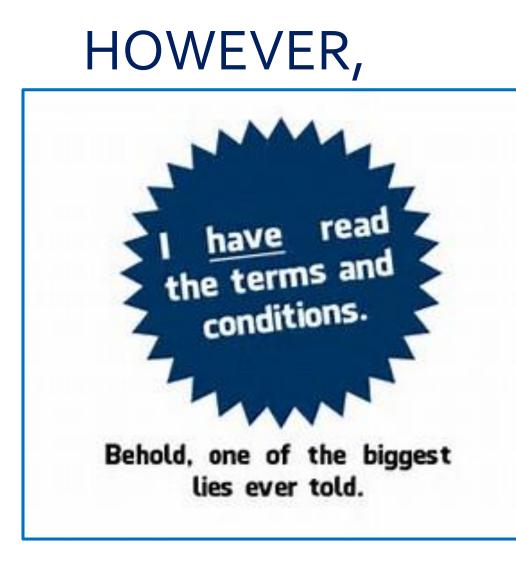
A critical feature, Data Management gives the agency the ability to search, export to a maintenance or work program, and provide information for public view/comment. The public inspection element is one often overlooked by agencies during transition planning.



We are not 'selling' SAPFIM

SAPFIM was developed through an FHWA STIC grant along with matches from FDOT and Broward MPO. It is FREE to any agency that would like to use it.





Hosting data comes with a cost.

- Agencies with web servers may choose to host data internally, subject to a Microsoft licensing agreement.
- Agencies are welcome to contract with FIU for a nominal annual fee.
- Agencies are also welcome to contract with their own UTCs or private consultants.

If your agency does not have a Transition Plan (or any immediate prospects of one)

- We urge you:
- Use the test system
- If you like what you see, contact Dr. Fabian Cevallos at FIU to discuss using SAPFIM
- FIU will assist you with downloading the necessary material (for those wanting to self-host data) or assist you with other options
- Contact any of the SAPFIM Champions with questions

CONTACTS

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THANKYOU

And many thanks to FIU, Broward MPO, FDOT, FHWA (HCR, NY DIV, AZ DIV, NM DIV, FL DIV, Resource Center) and the many fine folks at local agencies across the country that assisted with the concept, development, testing and delivery of SAPFIM

Uncontrolled Crosswalk Inventories

LADOT's inventory Origins, Characteristics, and Uses







Why have an Uncontrolled Crosswalk Inventory?

- General asset management and tracking
- Catalog conditions/features by location
- Ability to sort and query by conditions/features
- Prioritize and determine need for upgrades





Important Conditions and Features

- Geography and location
- Roadway features (I/S type, roadway type, speed, etc.)
- Crosswalk features (color, style, signs, beacons)
- Collision history
- Planned upgrades/candidacy for upgrades





Types of Upgrades/Modifications for Consideration

- Conversion to all-way stop
- Upgrade with addt'l features (beacons, islands, signs)
- Conversion to PHB
- Conversion to traffic signal
- Move bus stop far side





<u>FHWA's STEP Program</u> https://www.fhwa.dot.gov/innovation/ everydaycounts/edc_4/step.cfm





Primary Street [1]	Cross Street	I/S ID/Street View	CD	DOT Dist	On HIN?	On RPC?	Functional Classification	24 hr Lanes	Pk Hr Lanes	Tot Approach Thru Ln	Street Width (Ft)
103rd St.	Clovis Ave.	<u>134660</u>	8	S	×	*	Collector	2	0	2	50
103rd St.	E/O Compton Ave.	<u>96087</u>	15	S	~	*	Collector	4	0	4	66
103rd St.	Firth Bl.	<u>160570</u>	15	S	~	×	Collector	2	0	2	60
103rd St.	Gorman Ave.	<u>127781</u>	15	s	×	*	Collector	2	0	2	50
103rd St.	Graham Ave.	<u>148797</u>	15	S	~	*	Collector	4	0	4	56
103rd St.	Juniper St.	<u>117335</u>	15	S	×	*	Collector	2	0	2	
104th St.	Wall St.	<u>117129</u>	8	S	×	*	Collector	2	0	2	
108th St.	Denver Ave.	<u>110206</u>	8	S	×	*	Avenue II	2	0	2	
108th St.	Grandee Ave.	<u>131199</u>	15	S	×	*		2	0	2	
11th St.	Mesa Ave.	<u>103897</u>	15	S	×	*	Local	2	0	2	
120th St.	Stanford Ave.	<u>96172</u>	15	S	*	*	Collector	2	0	2	
12th St.	Crocker St.	<u>99988</u>	14	С	~	*	Collector	2	0	2	
12th St.	San Julian St.	<u>124579</u>	14	с	*	×	Modified Collector	2	0	2	
15th St.	San Julian St.	<u>137259</u>	14	С	×	×	Collector	2	0	2	
182nd St.	Denker Ave.	<u>96161</u>	15	S	×	*		4	0	4	62
182nd St.	Evelyn Ave.	<u>138258</u>	15	s	*	*		4	0	4	66
23rd St.	Estrella Ave.	<u>141331</u>	1	с	×	*	Collector	2	0	2	
253rd St.	Senator Ave.	<u>106738</u>	15	S	×	*	Collector	2	0	2	
25th St.	Moray Ave.	<u>131673</u>	15	S	*	*		2	0	2	
27th St.	Paloma St.	<u>138385</u>	9	С	*	×		2	0	2	
28th St.	Hope St.	<u>141968</u>	9	С	*	*		2	0	2	
30th St.	McClintock Ave.	<u>96548</u>	9	S	*	*	Local	2	0	2	
36th St.	W/O Patton Ave.	<u>107118</u>	15	S	×	*	Local	2	0	2	
3rd St.	Columbia Ave.	<u>124586</u>	1 , 13	H/W	~	*		4	0	4	
3rd St.	Grand View St.	<u>150073</u>	1	с	~	*		4	0	4	70

Primary Street [1]	Cross Street	I/S ID/Street View	Pavement Type	Leg	I/S Type	Signal Dist (Ft) [2]	ADT	Speed Limit	Color	Style	Shark Teeth?	Paddle Signs?
103rd St.	Clovis Ave.	<u>134660</u>	AC	W	STD	-	7,212	30	White	Contin.	~	*
103rd St.	E/O Compton Ave.	<u>96087</u>	AC		MB	431/402	12,463	30	White	Ladder	~	×
103rd St.	Firth Bl.	<u>160570</u>	AC	Е	Т	-	12,962	30	Yellow	Ladder	~	×
103rd St.	Gorman Ave.	<u>127781</u>	AC	w	т	-	9,692	30	Yellow	Ladder	~	×
103rd St.	Graham Ave.	<u>148797</u>	AC	Е	Т	330/1,000	10,720	30	White	Ladder	~	×
103rd St.	Juniper St.	<u>117335</u>	AC	w	STD	-	6,450	30	White	Ladder	~	*
104th St.	Wall St.	<u>117129</u>	AC	W	STD	-		25	Yellow	Ladder	×	×
108th St.	Denver Ave.	<u>110206</u>	AC	Е	STD	-	4,873	35	White	Contin.	~	×
108th St.	Grandee Ave.	<u>131199</u>	AC	W	Т	-		25	Yellow	Ladder	×	×
11th St.	Mesa Ave.	<u>103897</u>	AC	W	STD	-		25	White	Ladder	*	×
120th St.	Stanford Ave.	<u>96172</u>	AC	Е	Т	-	11,090	30	White	Contin.	~	×
12th St.	Crocker St.	<u>99988</u>	AC	W	Т	-		25	White	Contin.	~	×
12th St.	San Julian St.	<u>124579</u>	AC	w	STD	-		25	White	Contin.	~	×
15th St.	San Julian St.	<u>137259</u>	AC	W	Т	-		25	Yellow	Contin.	~	×
182nd St.	Denker Ave.	<u>96161</u>	AC	Е	STD	1,345/1,678	14,970	30	White	Ladder	~	×
182nd St.	Evelyn Ave.	<u>138258</u>	AC	Е	STD	2,017/1,000	10,590	30	Yellow	Ladder	~	×
23rd St.	Estrella Ave.	<u>141331</u>	AC	w	Т	-	10,204	30	White	Transverse	×	×
253rd St.	Senator Ave.	<u>106738</u>	AC	Е	STD	-		25	White	Contin.	~	×
25th St.	Moray Ave.	<u>131673</u>	AC	Е	STD	2,000/710		35	White	Contin.	~	×
27th St.	Paloma St.	<u>138385</u>	AC	Е	STD	-		25	White	Contin.	~	×
28th St.	Hope St.	<u>141968</u>	AC	Е	Т	-		25	White	Contin.	~	*
30th St.	McClintock Ave.	<u>96548</u>	AC	W	Y	-		25	White	Ladder	~	×
36th St.	W/O Patton Ave.	<u>107118</u>	AC		MB	-		25	Yellow	Ladder	×	×
3rd St.	Columbia Ave.	<u>124586</u>	AC	W	STD	N/A			Yellow	Contin.	~	×
3rd St.	Grand View St.	<u>150073</u>	AC	Е	STD	1,563/696	27,858	35	White	Ladder	~	×

Primary Street [1]	Cross Street	I/S ID/Street View	Existing Beacon Type	Existing Beacon Install Date	Manufacturer	Flash Duration (sec.)	Planned Device Type	Planned Device Funding Source	Near Side Bus Stop?
103rd St.	Clovis Ave.	<u>134660</u>							
103rd St.	E/O Compton Ave.	<u>96087</u>							
103rd St.	Firth BI.	<u>160570</u>							
103rd St.	Gorman Ave.	<u>127781</u>							
103rd St.	Graham Ave.	<u>148797</u>							
103rd St.	Juniper St.	<u>117335</u>							
104th St.	Wall St.	<u>117129</u>							
108th St.	Denver Ave.	<u>110206</u>							
108th St.	Grandee Ave.	<u>131199</u>							
11th St.	Mesa Ave.	<u>103897</u>							
120th St.	Stanford Ave.	<u>96172</u>							
12th St.	Crocker St.	<u>99988</u>							
12th St.	San Julian St.	<u>124579</u>							
15th St.	San Julian St.	<u>137259</u>							
182nd St.	Denker Ave.	<u>96161</u>							
182nd St.	Evelyn Ave.	<u>138258</u>							
23rd St.	Estrella Ave.	<u>141331</u>							
253rd St.	Senator Ave.	<u>106738</u>							
25th St.	Moray Ave.	<u>131673</u>	FB						
27th St.	Paloma St.	<u>138385</u>							
28th St.	Hope St.	<u>141968</u>							
30th St.	McClintock Ave.	<u>96548</u>							
36th St.	W/O Patton Ave.	<u>107118</u>							
3rd St.	Columbia Ave.	<u>124586</u>	APWD				Full Signal	SR2S C3	
3rd St.	Grand View St.	<u>150073</u>							

Primary Street [1]	Cross Street	I/S ID/Street View	Striping?	Channelization?	Median?	Refuge Island?	Ped Vol Signal Warrant Met?	Total Ped/Bike Collisions (12-16)	Ped/Bike KSI (12-16) [3]	Zeeger Rating [4]
103rd St.	Clovis Ave.	<u>134660</u>		~	×			0	0	-
103rd St.	E/O Compton Ave.	<u>96087</u>		v	×			13	1	1
103rd St.	Firth Bl.	<u>160570</u>		~	×			0	0	-
103rd St.	Gorman Ave.	<u>127781</u>	~	×	×			4	0	-
103rd St.	Graham Ave.	<u>148797</u>		~	×			0	0	2
103rd St.	Juniper St.	<u>117335</u>	~	*	×			3	1	-
104th St.	Wall St.	<u>117129</u>	~	*	*			1	0	-
108th St.	Denver Ave.	<u>110206</u>		~	*			0	0	-
108th St.	Grandee Ave.	<u>131199</u>	*	*	*			0	0	-
11th St.	Mesa Ave.	<u>103897</u>	~	*	*			1	0	-
120th St.	Stanford Ave.	<u>96172</u>	~	*	Painted			1	0	-
12th St.	Crocker St.	<u>99988</u>	~	×	*			7	0	-
12th St.	San Julian St.	<u>124579</u>	~	×	×			3	0	-
15th St.	San Julian St.	<u>137259</u>	~	*	×			0	0	-
182nd St.	Denker Ave.	<u>96161</u>		~	*			0	0	1
182nd St.	Evelyn Ave.	<u>138258</u>		~	×			0	0	2
23rd St.	Estrella Ave.	<u>141331</u>	~	*	×			4	0	-
253rd St.	Senator Ave.	<u>106738</u>	~	*	×			1	0	-
25th St.	Moray Ave.	<u>131673</u>		~	*			2	0	N/A
27th St.	Paloma St.	<u>138385</u>	×	×	×			0	0	-
28th St.	Hope St.	<u>141968</u>	×	*	×			2	0	-
30th St.	McClintock Ave.	<u>96548</u>	~	*	~			3	0	-
36th St.	W/O Patton Ave.	<u>107118</u>	~	×	×			0	0	-
3rd St.	Columbia Ave.	<u>124586</u>		~	×		~	5	0	N/A
3rd St.	Grand View St.	<u>150073</u>		~	×			3	0	1

Primary Street [1]	Cross Street	I/S ID/Street View	Land Use	Comments
103rd St.	Clovis Ave.	<u>134660</u>	Residential	
103rd St.	E/O Compton Ave.	<u>96087</u>	WIC, shopping center	May qualify for full signal (distance)
103rd St.	Firth Bl.	<u>160570</u>	Riley HS, residential	Firth Bl. looks like an alley
103rd St.	Gorman Ave.	<u>127781</u>	Weigand Ave Es, Jordan HS, residential	
103rd St.	Graham Ave.	<u>148797</u>	Residential, near Blue Line Sta.	
103rd St.	Juniper St.	<u>117335</u>	Mini market, residential, housing project	
104th St.	Wall St.	<u>117129</u>	107th St ES, residential.	
108th St.	Denver Ave.	<u>110206</u>	Residential	
108th St.	Grandee Ave.	<u>131199</u>	Markham MS, railroad	
11th St.	Mesa Ave.	<u>103897</u>	Residential	
120th St.	Stanford Ave.	<u>96172</u>	Residential, park	
12th St.	Crocker St.	<u>99988</u>	Fashion district	
12th St.	San Julian St.	<u>124579</u>	Fashion district	
15th St.	San Julian St.	<u>137259</u>	Industrial	San Julian St. looks like an alley
182nd St.	Denker Ave.	<u>96161</u>	186th St ES, residential	Shared with Gardena
182nd St.	Evelyn Ave.	<u>138258</u>	186th St ES, Gardena HS, church	Shared with Gardena
23rd St.	Estrella Ave.	<u>141331</u>	Mt. Saint Marys, bus stop, residential	
253rd St.	Senator Ave.	<u>106738</u>	Residential	
25th St.	Moray Ave.	<u>131673</u>	7-11, gas station, residential	
27th St.	Paloma St.	<u>138385</u>	Residential	
28th St.	Hope St.	<u>141968</u>	Medical Center	
30th St.	McClintock Ave.	<u>96548</u>	Church, residential	
36th St.	W/O Patton Ave.	<u>107118</u>	White Point ES, residential	Query Dist. for SSA conv.
3rd St.	Columbia Ave.	<u>124586</u>	Castro MS, Belmont HS, residential & commercial	
3rd St.	Grand View St.	<u>150073</u>	St Vincent's Hosp., Near Bridge Xing	

Discussion

⇒ Send us your questions



- \Rightarrow Follow up with us:
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