

# TLNA Traffic Safety Discussion

Christ Presbyterian Church  
April 17, 2017

# Neighborhood Traffic

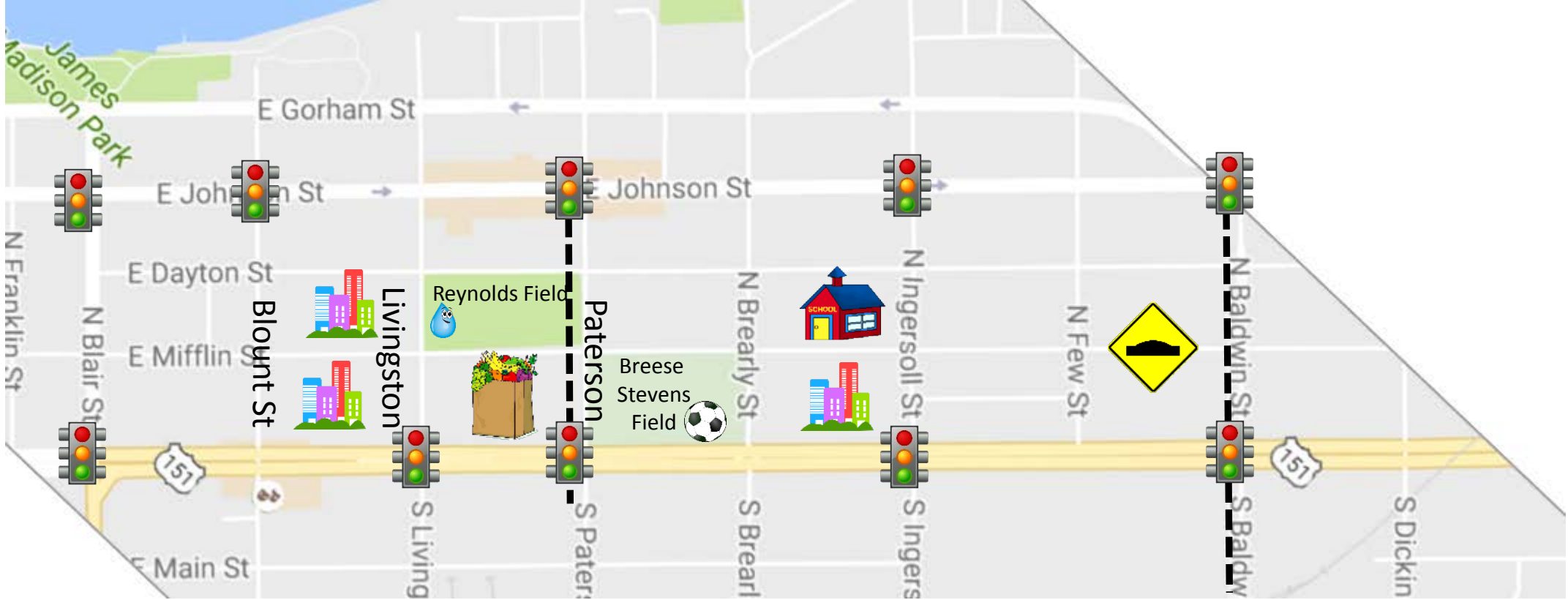
Today:

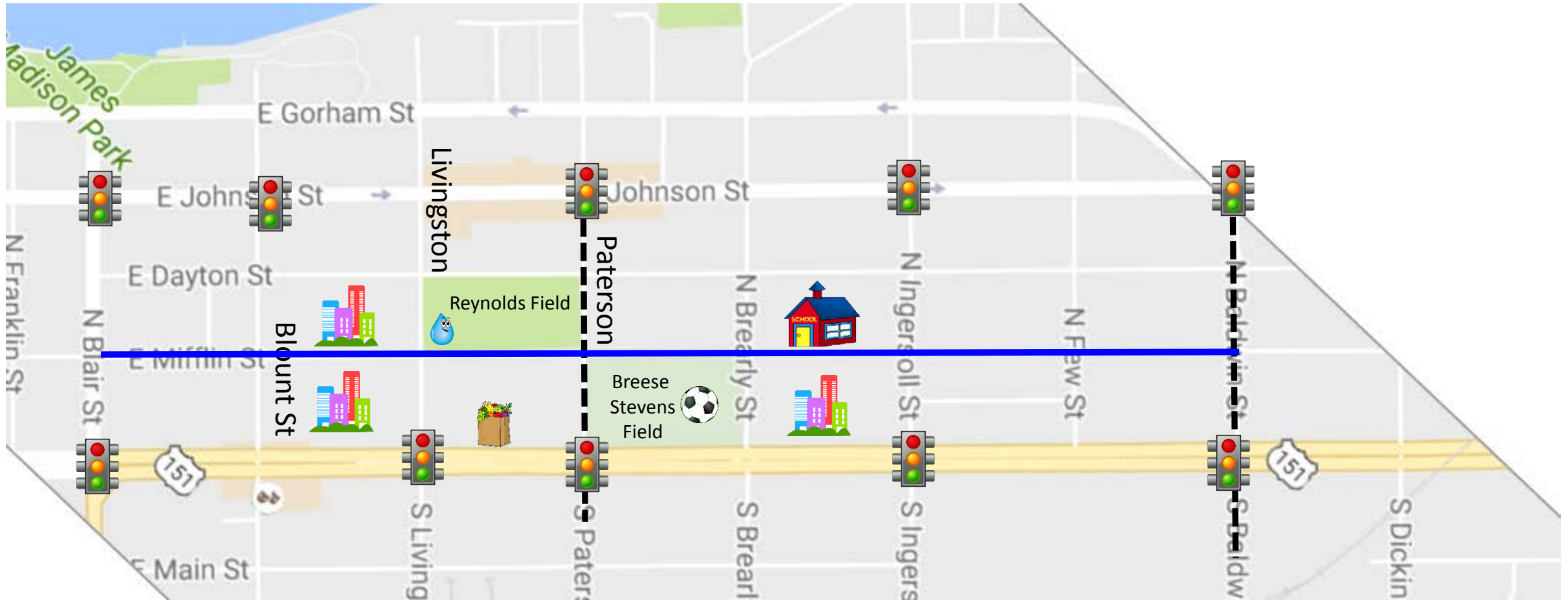
- 1) Identify preliminary traffic issues
- 2) Quickly touch on some preliminary data
- 3) Review options, answer questions



22 Block Area

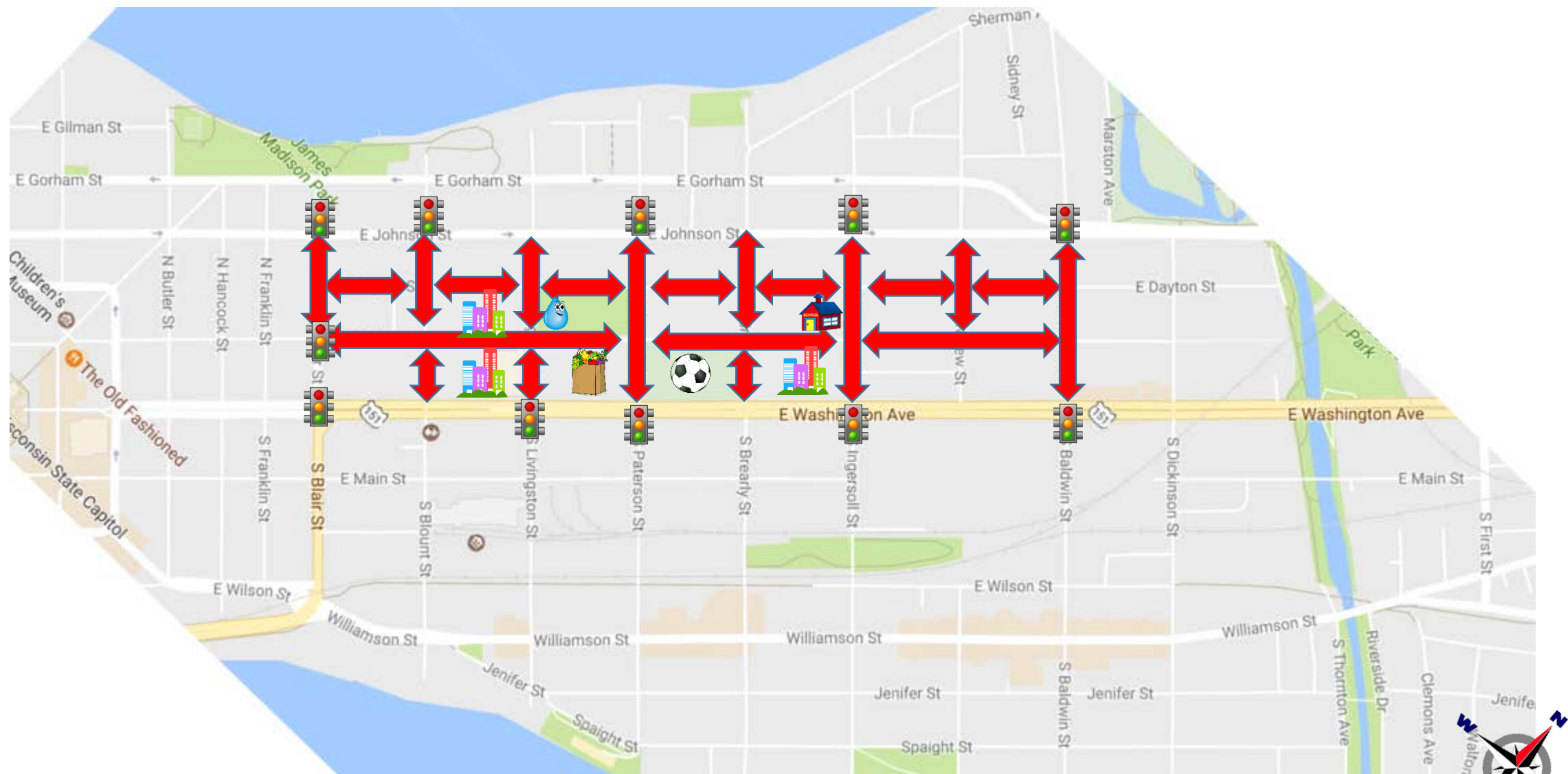






Further complicated by designation as a low speed bike boulevard







# Parking on E Mifflin Street

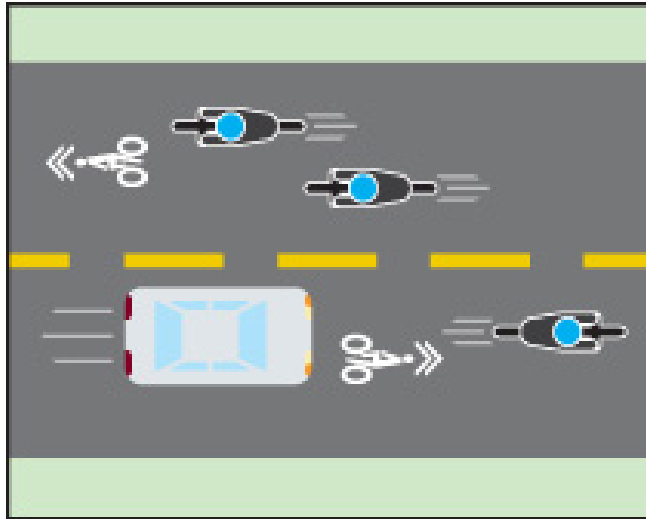


# What is a bike boulevard?





## BICYCLE BOULEVARD



Bicycle boulevards are low speed, low (motor vehicle) traffic volume, local streets that are designated for use primarily by bicyclists. Motor vehicles are welcome on bicycle boulevards. Special blue street signs and shared lane (sharrow) pavement markings signify that motor vehicles must be attentive to the large numbers of cyclists and lower their speeds.

[Sharrows: how to use shared lane markings \(PDF\)](#)





Madison, WI

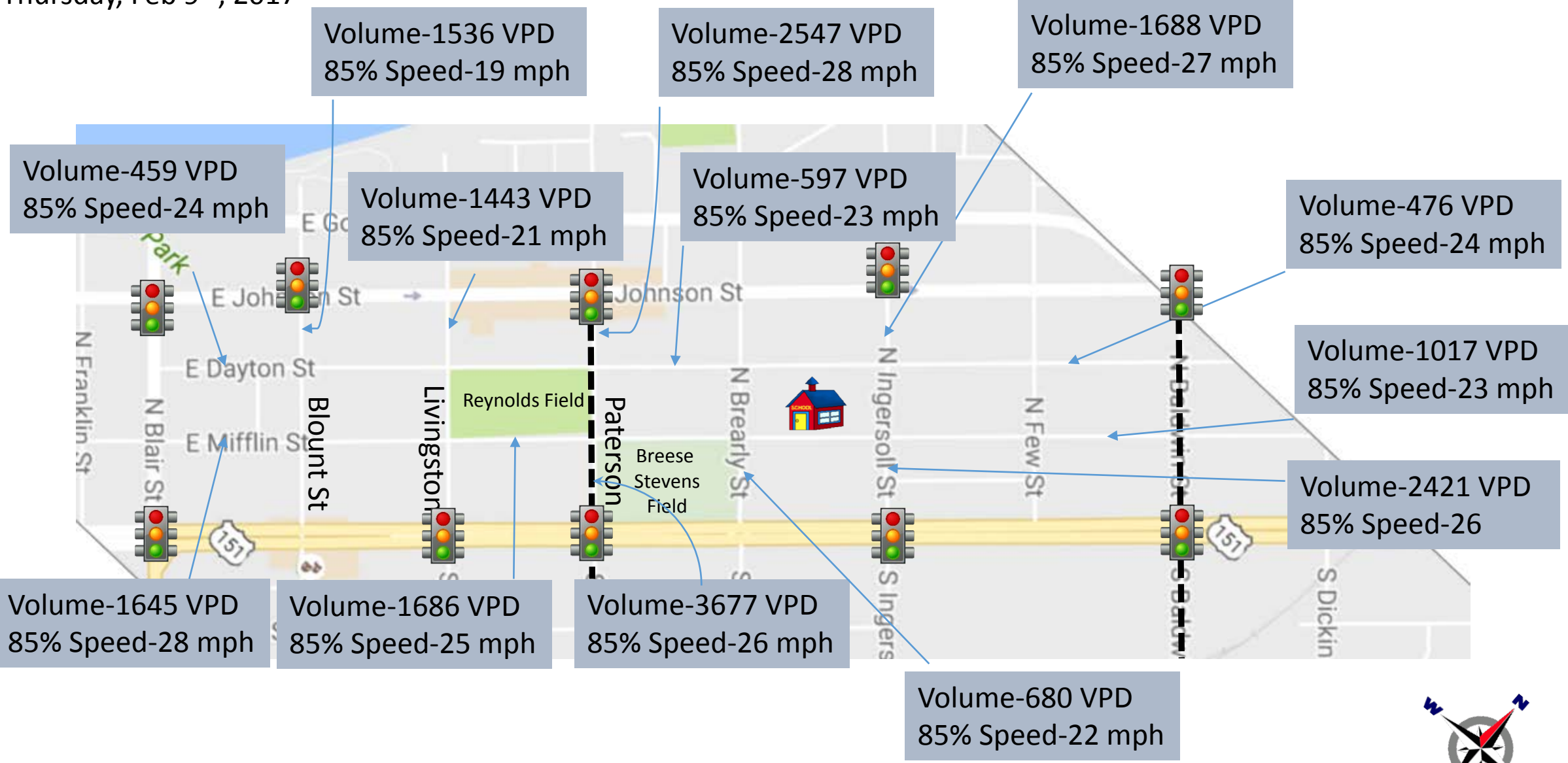




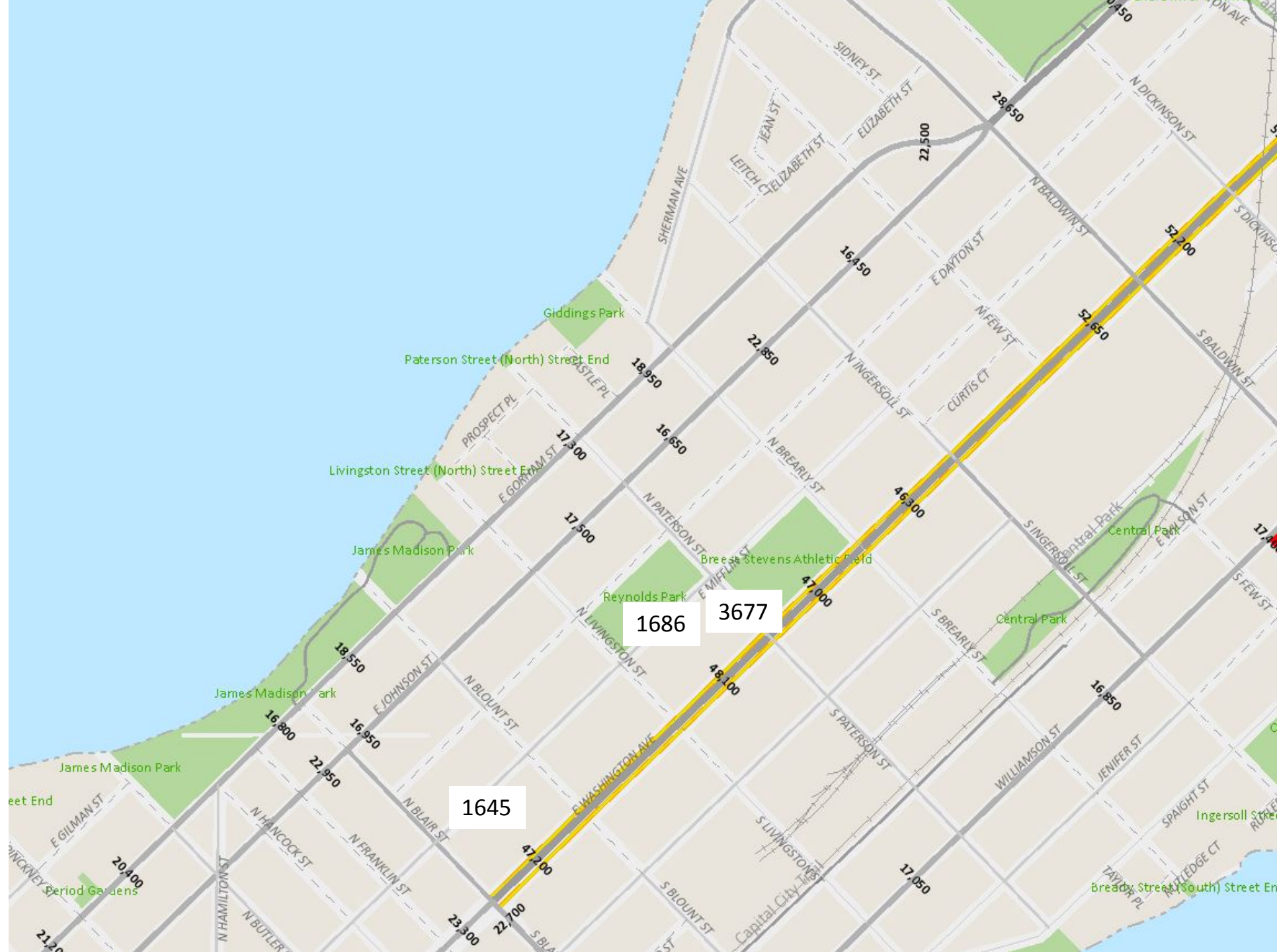
🏠 Projects > Palo Alto Bicycle Boulevards Feasibility and Design

# Southern California version of bike boulevard

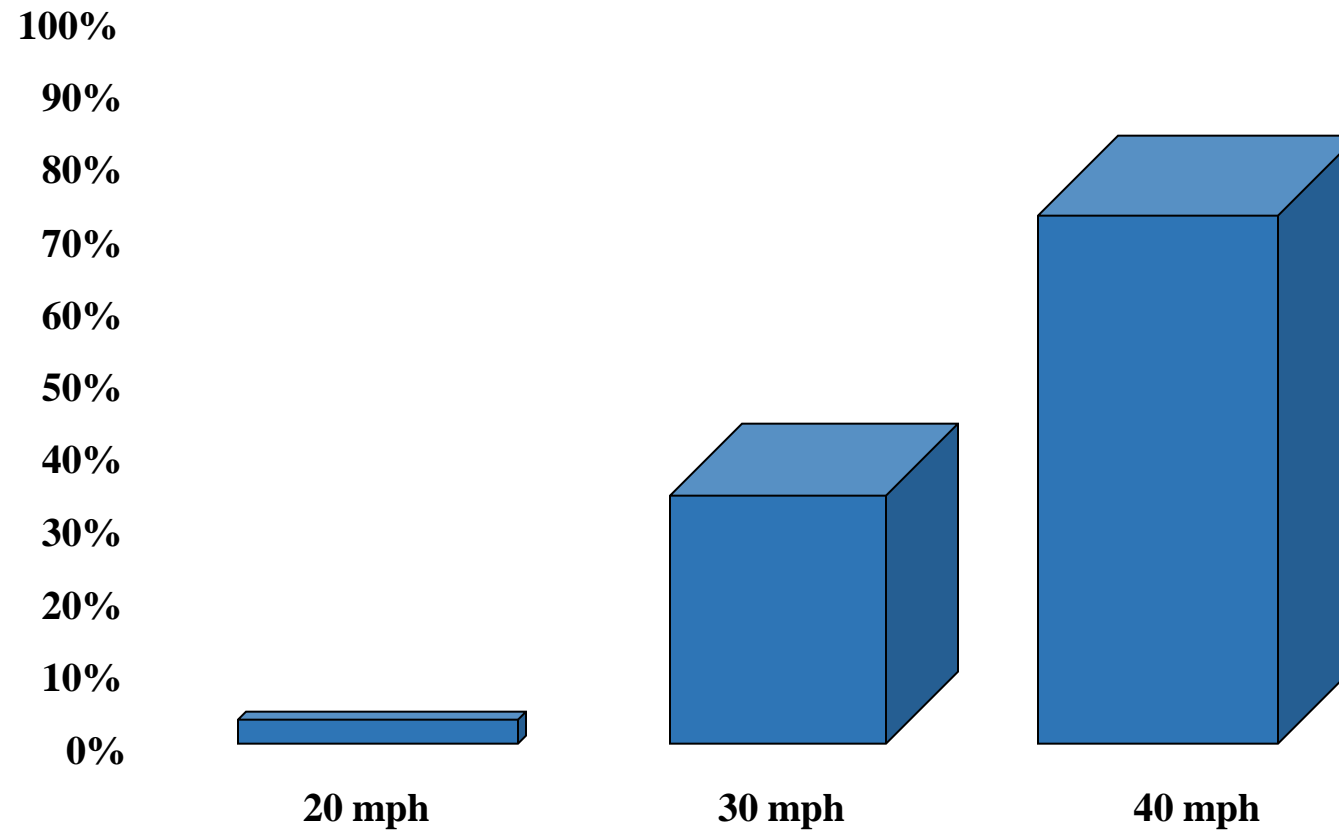
Thursday, Feb 9<sup>th</sup>, 2017





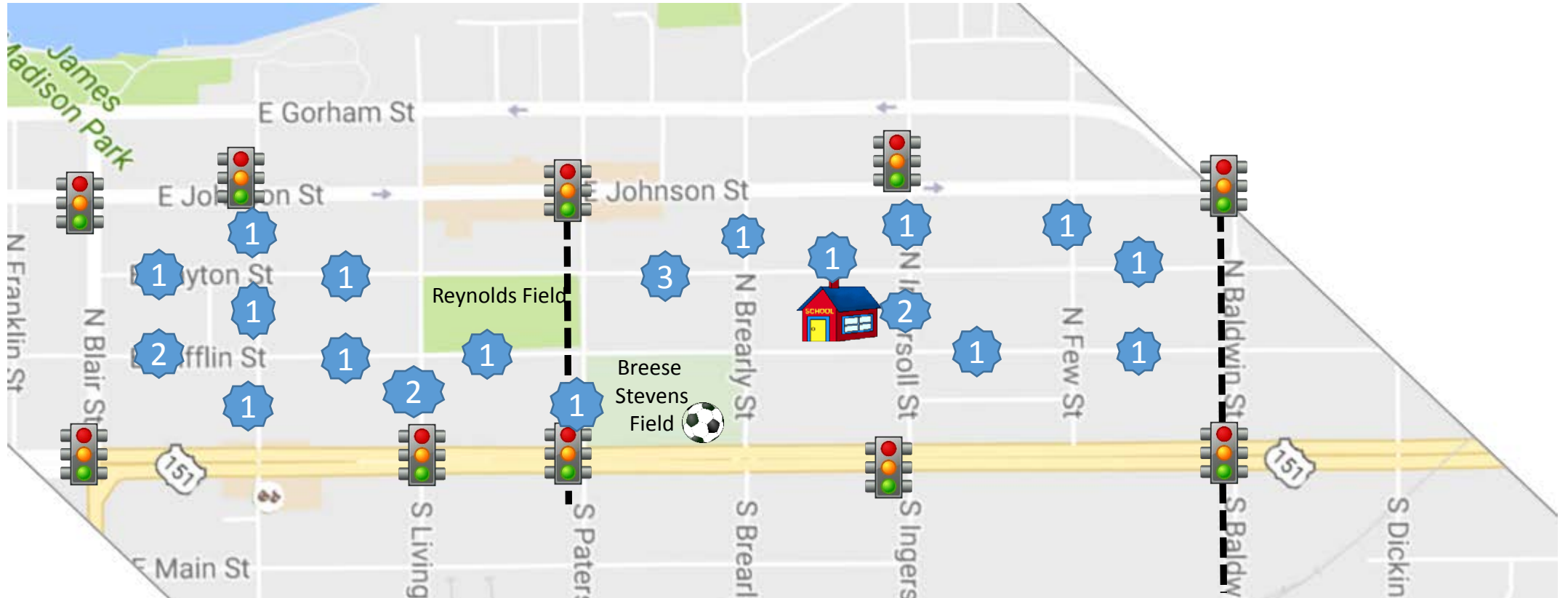


## Pedestrian's Chance of Being Killed If Hit By A Vehicle, Based On Vehicle Speed



85th Percentile Speeds	
Old Middleton	36
Portland Pkwy	35
Dominion	34
Ellen	34
Prairie	34
Academy	33
Turner	32
Portland Pkwy	32
Wedgewood	32
Dempsey	32
Potter	32
Golden Leaf	31
Dean	31
Easley	30
Acewood	30
Monterey	29
Trailsway	29
Russett	29
Ashford	29
Dean	29
Thackeray	29
Amsterdam	29
Dempsey	29
Rutledge	29
100 N Baldwin	29
Haywood	28
Lewon	28
600 E Mifflin	28
900 E Mifflin	28
300 N Paterson	28
Jenifer	27
300 N Ingersol	27
Hillcrest	26
300 N Livingston	26
100 N Paterson	26
100 N Ingersol	26
300 N Baldwin	26
Ziegler	25
800 E Mifflin	25
600 E Dayton	24
300 N Brearly	24
1200 E Dayton	24
1200 E Mifflin	23
900 E Dayton	23
Taft	22
Allis	22
22 N Brearly	22
300 N Blount	19

# Midblock Crashes (2013-2015)

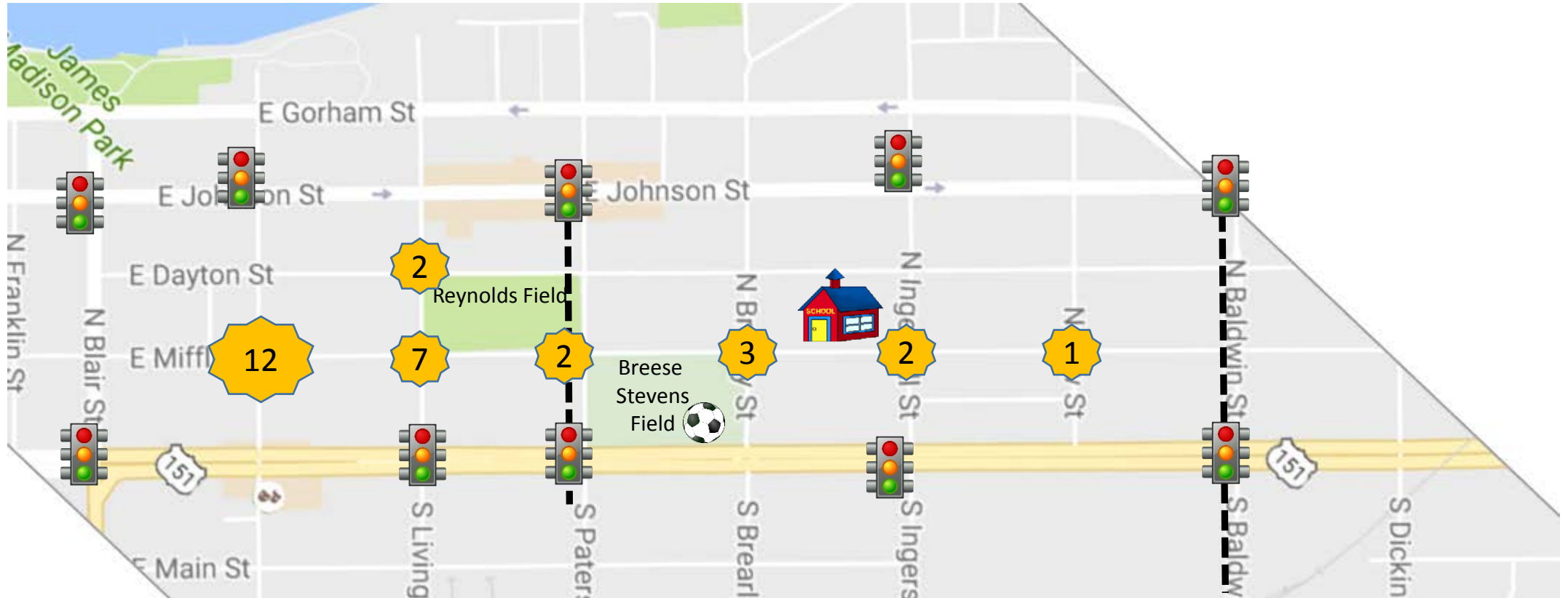


24 crashes





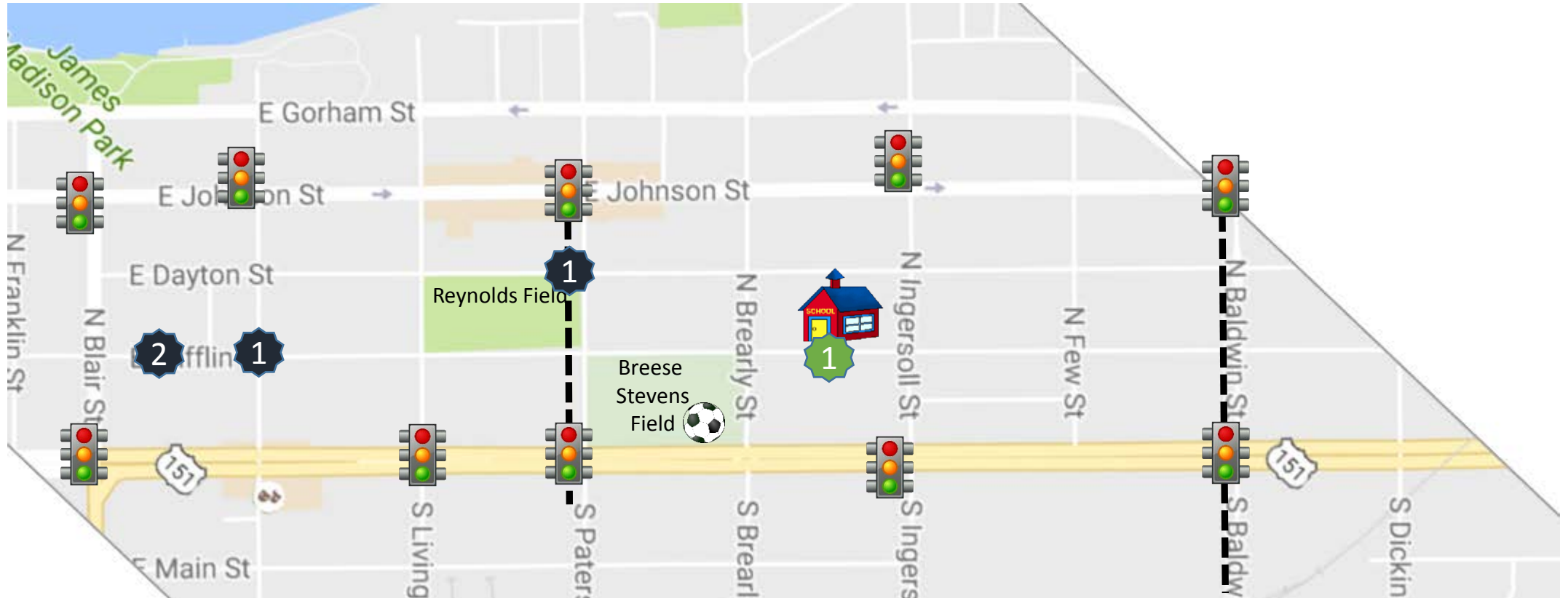
# Intersection Crashes (2013-2015)



29 crashes, 19 Injuries



# Bike & Pedestrian Crashes (2013-2015)



4 bike crashes, 1 pedestrian crash, 3 injuries



# Two Types of Traffic Control

- 1) Passive
- 2) Active

# Passive Devices

Depend on self-compliance and  
law enforcement to be effective











- Used where assignment of the right-of-way is confusing
- Generally considered ineffective speed control devices

# Active Devices

Physically influence the driver to be effective



# Neighborhood Traffic Circles



Dandaneau Trl

New Washburn Way





# Traffic Circles

## Pros and Cons

### Pros:

- Can reduce speeds through an intersection
- Can treat two streets simultaneously
- Can change the “feel” of the street
- Can be attractively landscaped
- Crashes tend to be less severe

### Cons:

- Landscape maintenance
- May need to restrict some parking
- Snow removal challenges-must be designed for a plow to pass
- Some cyclists feel uncomfortable with mixed traffic

# Speed Humps















A variation on the hump...



Table Top intersection



Far West Side Madison, WI...



Table Top intersection



# Speed Hump

## Pros and Cons

### Pros:

- Most effective device for reducing speed
- Can treat the length of street
- Does not generally divert traffic
- Not a particular challenge for snow plows
- Does not remove parking

### Cons:

- Fire Department does not like them
- Metro Transit does not like them



# Pedestrian Refuge Islands







# Islands

## Pros and Cons

### PROS:

- Narrows the space available to thru traffic
- Facilitates pedestrian crossings
- Prevents motorists from passing on the right
- Benefit of landscaping
- Can change the feel of the street

### CONS:

- Landscape maintenance
- Plows would prefer not to have to contend with islands
- Some bicyclists don't like to feel "squeezed" at the island

# Diverter and Closures



½ Closure  
Gilson and Lakeside, Madison, WI





½ Closure  
Kendall and Franklin, Madison WI





Diagonal Diverter





Diagonal Diverter



Full Closure



# Full Closure Leonard St





# Diverter and Closures Pros and Cons

## Pros:

- Do their job well
- Can direct traffic to arterial streets
- Can be constructed to allow bikes through
- Some can be landscaped

## Cons:

- Can divert traffic to other residential streets
- Can create problems for Madison Fire Department
- Can increase travel time to access nearby properties

# Neighborhood Traffic Management Program (NTMP)

...Since 1997

# NTMP Priority Ranking (Point Assignment)

- Average Daily Traffic Volume
- Speed
- Crash Record (police reported)
- Elementary and Middle Schools, School Walk Routes
- High Pedestrian Generators (i.e. parks)
- Designated Bike Routes

**CITY OF MADISON**  
**NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM (NTMP)**  
**2017 NTMP Candidate Locations**

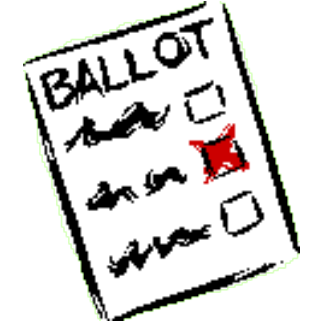
						Points Criteria							Points Assignment									
Candidate Street	Year of Study	Location	# of Speed Humps	Cost	Functional Class	AWT	% Over PSL+5	School Area	Ped Gen. Area	School Walk Route	Bike Route	Prev. 3yr Crashes per block	AWT /100	% Over PSL /3	Crashes per block	School Area	Ped Gen. Area	School Walk Route	Bike Route	Years on List	Total Points	
Dean Ave	2016	Lance Ln to Seth Cir			Local	1,286	20.99	Yes	Yes	Yes	No	0.5	12.86	7.00	2.50	5	5	5	0	3	40.4	
Thackeray Rd	2016	Sherman to Kipling	4 @ 300'	\$20,000	Local	624	13.10	Yes	Yes+	Yes	Yes	0.4	6.24	4.37	1.88	5	10	5	5	1	38.5	
Dean Ave	2016	Monona to Tyler Cir			Local	1,576	12.16	Yes	Yes	Yes	No	0.0	15.76	4.05	0.00	5	5	5	0	2	36.8	
Ashford Ln	2016	Nottingham Way to Ardsley Ln	2 @ 300'	\$10,000	Local	461	12.14	No	Yes+	Yes	No	1.0	4.61	4.05	5.00	0	10	5	0	6	34.7	
Portland Pkwy	2016	at Portland Circle	8 total; 4 per side	\$40,000	Local	644	35.11	No	Yes+	Yes	No	0.0	6.44	11.70	0.00	0	10	5	0	1	34.1	
Russett Rd	2016	Cameron to Whitney	4 @ 300'	\$20,000	Local	762	9.24	No	Yes	No	No	3.0	7.62	3.08	15.00	0	5	0	0	3	33.7	
Golden Leaf Trail	2016	Bultman Rd to Eagle Crest Dr	3 @ 300'	\$15,000	Local	1,032	17.56	No	Yes+	No	No	0.5	10.32	5.85	2.50	0	10	5	0	0	33.7	
Trailsway	2016	Monterey Dr to Sherman Ave	4 @ 300'	\$20,000	Local	1,279	10.16	No	Yes+	No	No	1.5	12.79	3.39	7.50	0	10	0	0	0	33.7	
Mayfair Ave	2016	Prairie Ave to Brigham Ave	3 @ 300'	\$15,000	Local	597	19.43	Yes	Yes	Yes	Yes	0.0	5.97	6.48	0.00	5	5	5	5	0	32.4	
Haywood Dr	2016	Brooks and High St	2 @ 300'	\$10,000	Local	1,702	10.10	No	Yes	No	No	1.2	17.02	3.37	5.83	0	5	0	0	1	32.2	
Turner Ave	2016	Hob to Linda Vista			Local	561	27.72	Yes	Yes	No	No	0.5	5.61	9.24	2.50	5	5	0	0	4	31.4	
Dominion Dr	2016	Galileo Dr to Traveler Ln			Local	1,219	36.40	No	Yes	No	No	0.0	12.19	12.13	0.00	0	5	0	0	1	30.3	
Gregory St	2015	Sheldon to Commonwealth			Local	866	0.99	Yes	Yes	Yes	No	1.0	8.66	0.33	5.00	5	5	5	0	1	30.0	
Turbot Dr		Pike Dr - Post Rd			Local	447	13.00	Yes	Yes	Yes		1.0	4.47	4.33	5.00	5	5	5	0	0	28.8	
Lewon Dr	2016	Raymond to Black Oak Dr			Local	689	7.20	Yes	Yes	Yes	No	0.5	6.89	2.40	2.50	5	5	5	0	2	28.8	
Ziegler Rd	2016	Nakoosa Trl to Conlin St			Local	782	4.73	No	Yes	No	No	1.5	7.82	1.58	7.50	0	5	0	0	5	26.9	
Hillcrest Dr	2014	Mineral Pt. Rd to Merham Dr.			Local	330	18.20	Yes	Yes	Yes	No	0.5	3.30	6.07	2.50	5	5	5	0	0	26.9	
Hill Creek Dr		Red Tail to Tree Tops			Local	339	49.00	No	Yes	No	No	0.0	3.39	16.33	0.00	0	5	0	0	2	26.7	
Colby St & Van Deusen St		Lakeside to Van Deusen			Local	443	0.00	Yes	Yes+	Yes		0.0	4.43	0.00	0.00	5	10	5	0	2	26.4	
Academy Dr		Angel Crest Way to Woodvale Dr			Local	380	35.40			Yes		1.0	3.80	11.80	5.00	0	0	5	0	0	25.6	
Hillcrest Dr		Sunset to Owen			Local	1,216	3.00			Yes		1.0	12.16	1.00	5.00	0	0	5	0	2	25.2	
Bryan St		Milwaukee St to Fair Oaks			Local	564	6.99	No	Yes+	Yes	No	0.0	5.64	2.33	0.00	0	10	5	0	2	25.0	
Monterey Dr	2016	Trailsway to Wyldewood Dr			Local	478	10.47	No	Yes+	No	No	1.3	4.78	3.49	6.25	0	10	0	0	0	24.5	
Wedgewood Way	2016	Holiday Dr to Woodburn Dr			Local	353	1.19	No	Yes	Yes	No	0.5	3.53	0.40	2.50	0	5	5	0	7	23.4	
Dorsett Dr		Whitney Way to Gilbert Street			Local	217	26.50	Yes	Yes			0.0	2.17	8.83	0.00	5	5	0	0	2	23.0	
S Randall Ave	2012				Local	1,140	2.31		Yes+				11.40	0.77	0.00	0	10	0	0	0	22.2	
Allis Ave	2016	Shaffer to Spaanem			Local	479	0.35	No	Yes	Yes	No	0.5	4.79	0.12	2.50	0	5	5	0	4	21.4	
Chamberlain Ave		Franklin Av. - Farley Av.			Local	753	2.40	Yes	Yes			0.5	7.53	0.80	2.50	5	5	0	0	0	20.8	
Jupiter Dr	2014	Gemini Dr. to Hailey Way			Local	1,242	3.00		Yes			0.0	12.42	1.00	0.00	0	5	0	0	2	20.4	
Potter St	2015	Rowell St to Lawrence St			Local	206	14.60			Yes		0.0	2.06	4.87	0.00	5	0	5	0	2	18.9	
Emerald St	2015	Orchard to Mills			Local			Yes	Yes+				0.00	0.00	0.00	5	10	0	0	2	17.0	
Melody Ln	2015	Portage to Crest Line			Local				Yes+	Yes			0.00	0.00	0.00	0	10	5	0	2	17.0	
Taft St	2016				Local	633	1.00	No	Yes	No	No	1.0	6.33	0.33	5.00	0	5	0	0	0	16.7	
Easley Ln	2016				Local	182	17.60	No	Yes	No	No	0.0	1.82	5.87	0.00	0	5	0	0	1	13.7	

\$150,000

Recommended projects for 2017 construction  
Recommended projects for 2018 construction



- 60% approval required of RETURNED surveys
- If there is traffic diversion to a parallel, local street, those residents will also be included in the survey.
- Construction of any approved traffic calming devices would take place in summer of 2018



# Neighborhood Meetings

Consensus is gained through neighborhood involvement.





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