



TULSA PLANNING OFFICE AT INCOG

Streetlight Prioritization Analysis

Paulina Baeza, Senior Planner
JT Paganelli, Planner

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EXECUTIVE SUMMARY

WHAT IS STRATEGIC PLANNING?

The concept of Strategic Planning was adapted to an urban planning context normalize the prioritization of public investment through various city-led programs and initiatives.

The Tulsa Planning Office believes that data and process can play a greater role in guiding decisions and making Tulsa a more equitable, sustainable, and pleasing place to live. To more effectively understand and counter the infrastructural, social, political, and economic challenges faced by Tulsans, the Planning Office has built an analytical model and **decision-making framework** affirmative of **five principles** drawn from documents like the Mayor's **AIM Plan**, **Resilient Tulsa**, **planitulsa**, and **CitiVoice** index results. They focus on...

1. **Fostering community buy-in** and leadership
2. **Facilitating revitalization** and quality infill development
3. **Leveraging growth** to build **inclusive** neighborhoods;
4. **Improving accessibility** to connect people with places; and
5. **Funding** and **implementing** plan recommendations

Each Guiding Principle provided context for its component Key Indicators, each of which were synthesized to build an initial view into the unique challenges facing neighborhoods.

When analyzed, the key indicators yield a **Guiding Principle Score**, a 0 to 1 number illustrating the degree to which an initiative in an area would affirm the above guiding principles. The closer to 1, the more aligned that investment would be with the guiding principles.

PROBLEM STATEMENT

Using input from the Streets & Stormwater Department, data and indicators framed by the above guiding principles, and Resilience and Equity tools provided by the Mayor's Office, The Planning Office has classified the problem as...

*A backlog of citizen requests for streetlights is **untested** and in need of a **prioritization** method. Future streetlight efforts require **intentionality, strategy, and optimization**.*

RECOMMENDATIONS

Vision: All residents of and visitors to Tulsa deserve safe, lively, and durable pedestrian environments.

Mission: The Street's & Stormwater Department's accommodation of streetlight requests will utilize data, resilience & equity lenses, and objective prioritization frameworks to address inadequate street lighting conditions.

Objective: Address Backlogged Requests

Strategy: Utilize rolling average scoring to equitably distribute how streetlight requests are addressed.

Action: Assess the validity of each request as prioritized. Decide whether a streetlight installation is warranted immediately after vetting the request against existing conditions.

Note: The **Streetlight Requests Map** displays citizens' requests (circles) over a visualization of every parcel's **Streetlight Urgency Score**.

STRATEGIC PLANNING ANALYSIS

Key indicators were combined to yield a **Streetlight Urgency score** for every parcel in Tulsa. Streetlight urgency scores were assigned to individual requests. The **Streetlight Urgency Score** was averaged with the **Guiding Principles Score** to create a **Streetlight Alignment Score**. The request with the highest Streetlight Alignment Score was prioritized first, etc.

The Streets & Stormwater Department indicated that key indicators illustrating a potential need for streetlights include high rates of **1) collisions** involving pedestrians and cyclists and a concentration of **crimes**. Streetlights are also most useful in areas featuring a concentration of **2) active transportation infrastructure** (sidewalks, bike lanes, and BRT stops) and **active transportation users**. High-priority areas also have access to **3) nearby necessities** (schools, healthcare, employment centers, grocery stores, and parks) while experiencing **4) unfavorable economic conditions** (low per capita incomes, life expectancies, educational attainment rates, employment rates, and labor force participation rates).

KEY INDICATOR 1: STREETSIDE HAZARDS

Streetlights can remedy physical and social hazards in the right of way. A concentration of **collisions involving pedestrians** and **crime** could reasonably indicate a need for streetlight inventory and reinvestment.

2: RELIANCE ON ALTERNATIVE MODES OF TRANSPORTATION

To control for environmental factors—and to see where the absence of streetlights might cause unsafe environments—the Strategic Planning model prioritizes places where densities of infrastructure (sidewalks, bike lanes, and BRT stations) and **active transportation** users exist.

3: NEARBY NEEDS

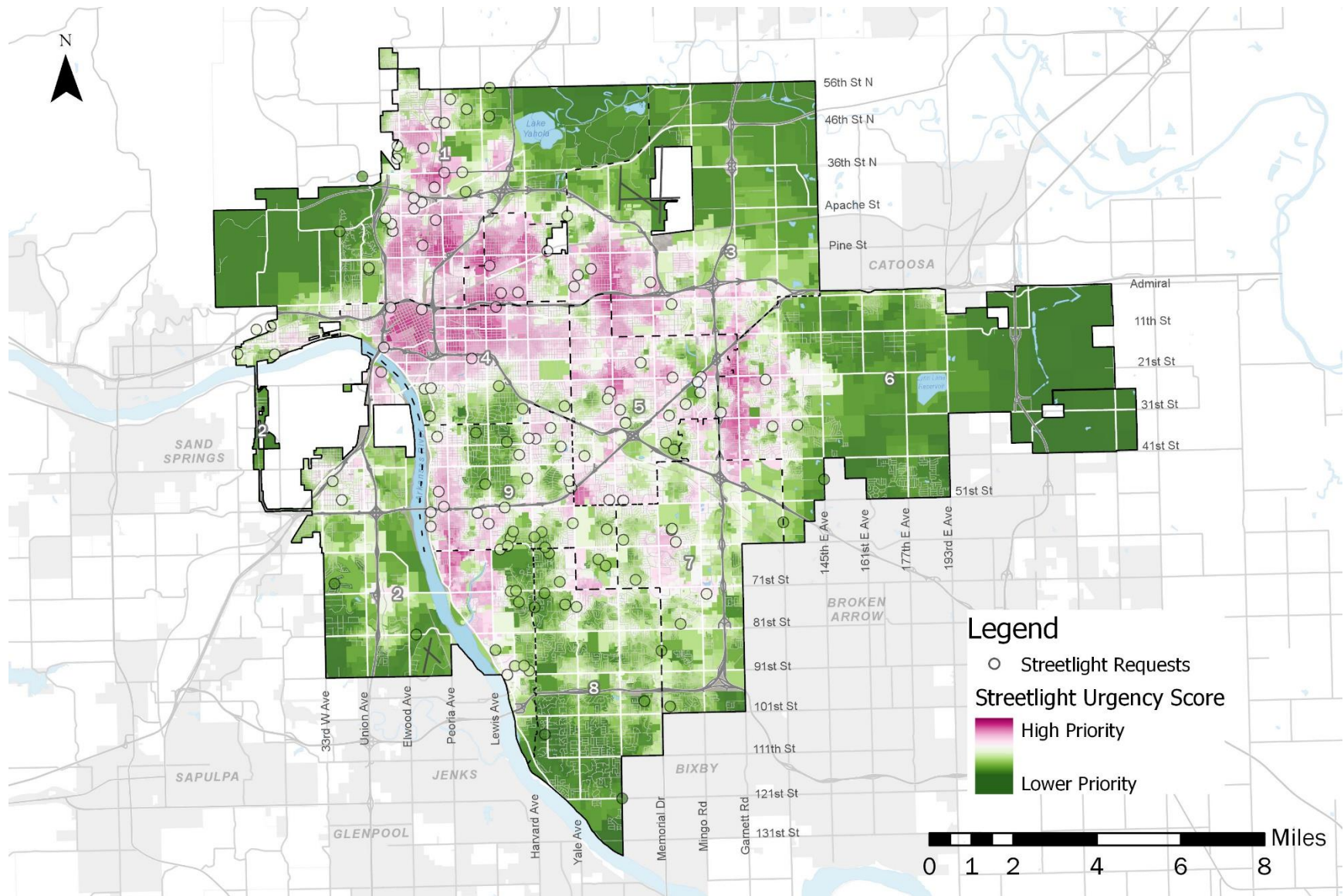
The Strategic Urgency Score supposes that streetlights should be installed in places near **common needs-based destinations**—schools, grocery stores, healthcare facilities, employment centers, and parks.

4: ECONOMIC CONDITIONS

Bonus priority points were awarded to areas with low **Prosperity Scores**. The Prosperity score comprises census bureau and health department data re: Per Capita Incomes, Life Expectancies, Educational Attainment, Employment, and Labor Force Participation Rates.

Streetlight Urgency Score		
	Key Indicator	Data Points
50%	Hazards	Concentration of Crime
		Concentration of Bike/Ped Collisions
20%	Reliance on Alternative Modes of Transportation	Concentration of Sidewalks
		Concentration of Bike Facilities
		Proximity to BRT Stations
		Concentration of Active Transportation Users
20%	Nearby Needs	Concentration of Needs-Based Uses including: Grocery Stores, Schools, Healthcare, Parks, & Employment
10%	Economic Conditions	Low Per Capita Incomes
		Low Life Expectancies
		Low Employment Rates
		Low Labor Force Participation
		Low Educational Attainment

STREETLIGHT REQUESTS MAP



STREETLIGHT REQUESTS PRIORITIZATION LIST

Reference	Intersection or Address	Request Date	Review	Notes	District	Hazards (50%)				Nearby Needs (20%)					Reliance on Alternative Transportation (20%)				10%		Streetlight Alignment Score	
						Safety from Violent Crime	Safety from Nonviolent Crime	Pedestrian Safety	Cyclist Safety	Nearby Jobs	Nearby Schools	Nearby Groceries	Nearby Healthcare	Nearby Parks	Nearby BRT	Sidewalk Density	Bike Lane Density	Commuter Multimodal Split	Economic Conditions	Streetlight Urgency Score		Guiding Principles Score
4	N Atlanta Ave 1307	7/2/2008	Yes		3	0.15	0.12	0.16	0.44	0.53	0.59	0.64	0.48	0.57	0.00	0.59	0.00	0.78	0.06	0.67	0.97	0.82
17	S Birmingham Ave Admiral to S 1st	10/6/2008	Yes		4	0.11	0.10	0.03	0.40	0.55	0.75	0.67	0.48	0.44	0.01	0.94	0.50	0.82	0.32	0.72	0.89	0.80
477	E Seminole Pl N Hartford	11/16/2017	Maybe		1	0.15	0.20	0.44	0.31	0.30	0.41	0.00	0.49	0.51	0.39	0.80	0.87	0.46	0.12	0.64	0.92	0.78
439	1019 E Zion Pl E Zion Pl N	2/20/2017	Maybe 231'		1	0.13	0.13	0.63	0.62	0.21	0.23	0.00	0.39	0.69	0.80	0.71	0.89	0.64	0.11	0.61	0.92	0.77
109	36th Street North, from Peoria to Quaker Comanche Park Apartments	11/30/2009	Yes #s158		1	0.16	0.25	0.47	0.23	0.22	0.68	0.00	0.53	0.32	0.77	0.64	0.84	0.63	0.13	0.66	0.86	0.76
463	139 N Columbia Ave E	8/21/2017	Maybe 292'	Midblock	3	0.10	0.09	0.15	0.67	0.49	0.54	0.34	0.14	0.39	0.00	0.85	0.22	0.73	0.17	0.62	0.88	0.75
283	1056 N Irvington	10/2/2013	Yes	Long stretch	3	0.13	0.13	0.21	0.28	0.46	0.39	0.29	0.35	0.37	0.00	0.36	0.00	0.30	0.14	0.60	0.90	0.75
268	3215 N Madison	6/6/2013	Yes	Dead end	1	0.16	0.16	0.52	0.71	0.24	0.40	0.00	0.48	0.42	0.31	0.65	0.88	0.61	0.12	0.58	0.83	0.70
80	3215 North Madison Avenue	6/29/2009	Yes	dead end/midblock	1	0.16	0.16	0.52	0.71	0.24	0.40	0.00	0.48	0.42	0.31	0.65	0.88	0.61	0.12	0.58	0.83	0.70
422	1760 E 14 Pl S	11/21/2016	Yes	Long stretch from Utica to Xanthus	4	0.28	0.21	0.11	0.20	0.95	0.56	0.27	0.99	0.55	0.49	0.95	0.34	0.56	0.87	0.66	0.74	0.70
71	S Jackson Ave W 17th St	3/10/2009	Yes	on curve	2	0.21	0.13	0.47	0.20	0.61	0.72	0.00	0.81	0.84	0.00	0.79	0.90	0.46	0.32	0.67	0.72	0.70
267	144 N Florence Av	5/7/2013	Yes	from Archer to	3	0.09	0.07	0.22	0.84	0.41	0.45	0.03	0.03	0.40	0.00	0.77	0.19	0.65	0.17	0.56	0.83	0.69

Reference	Intersection or Address	Request Date	Review	Notes	District	Hazards (50%)				Nearby Needs (20%)					Reliance on Alternative Transportation (20%)				10%	Streetlight Urgency Score	Guiding Principles Score	Streetlight Alignment Score		
						Safety from Violent Crime	Safety from Nonviolent Crime	Pedestrian Safety	Cyclist Safety	Nearby Jobs	Nearby Schools	Nearby Groceries	Nearby Healthcare	Nearby Parks	Nearby BRT	Sidewalk Density	Bike Lane Density	Commuter Multimodal Split					Economic Conditions	
				Independence																				
483	Greenwood, Archer 1st	1/19/2018	Maybe	One from the train tracks to Archer	4	0.44	0.47	0.46	0.44	0.77	0.21	0.00	0.77	0.55	0.59	0.87	0.79	0.77	0.40	0.58	0.80	0.69		
327	531 E 27 Pl N	9/3/2014	Yes	Midblock	1	0.18	0.20	0.43	1.00	0.16	0.03	0.00	0.30	0.44	0.02	0.69	0.82	0.67	0.09	0.51	0.84	0.68		
479	SWB between 7th S Riverside Drive	11/14/2017	Maybe	One or Two between 12th and 7th St on SWB	4	0.26	0.22	0.66	0.24	0.84	0.25	0.00	0.67	0.67	0.00	0.81	0.94	0.50	0.37	0.60	0.75	0.67		
224	730 42 St N	4/12/2012	Maybe 330'		1	0.26	0.31	0.39	0.45	0.22	0.63	0.00	0.19	0.03	0.12	0.47	0.37	0.51	0.13	0.53	0.82	0.67		
524	N Hartford Ave E 28th St N and E 30 St N	1/28/2019	Yes	Midblock	1	0.20	0.19	0.50	0.99	0.20	0.07	0.00	0.31	0.46	0.11	0.65	0.85	0.63	0.11	0.51	0.82	0.66		
104	Frankfort Place 3010 Frankfort Place	10/19/2009	Yes		1	0.21	0.21	0.51	1.00	0.19	0.06	0.00	0.30	0.44	0.01	0.63	0.82	0.61	0.11	0.49	0.81	0.65		
531	W Easton St N Denver Av	3/28/2019	Maybe	Security light/Kaiser project?	4	0.16	0.13	0.66	0.73	0.54	0.56	0.00	0.25	0.53	0.00	0.88	0.86	0.69	0.34	0.55	0.74	0.64		
148	887 N Darlington Ave	1/19/2011	Maybe	close	3	0.23	0.22	0.32	0.80	0.50	0.63	0.04	0.05	0.57	0.00	0.45	0.00	0.67	0.19	0.51	0.77	0.64		
181	2222 N Main St	9/14/2011	Yes		1	0.18	0.27	0.36	0.75	0.08	0.42	0.00	0.19	0.36	0.00	0.77	0.74	0.42	0.17	0.53	0.76	0.64		
400	2426 N Cheyenne	3/18/2016	Yes	one on corner/need more on Chey.	1	0.19	0.30	0.40	0.94	0.09	0.29	0.00	0.14	0.34	0.00	0.73	0.75	0.51	0.16	0.49	0.73	0.61		
3	E Haskell St Braden	8/19/2008	Yes		3	0.30	0.27	0.31	0.94	0.54	0.68	0.01	0.00	0.51	0.00	0.52	0.02	0.66	0.22	0.48	0.73	0.61		

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						Safety from Violent Crime	Safety from Nonviolent Crime	Pedestrian Safety	Cyclist Safety	Nearby Jobs	Nearby Schools	Nearby Groceries	Nearby Healthcare	Nearby Parks	Nearby BRT	Sidewalk Density	Bike Lane Density	Commuter Multimodal Split	Economic Conditions				
32	E 17th St S 76th E Ave	11/6/2008	Yes		5	0.35	0.34	0.60	0.93	0.49	0.68	0.00	0.41	0.38	0.46	0.64	0.02	0.59	0.32	0.45	0.73	0.59	
254	8705 E 21st St	12/18/2012	Maybe	they have lights at end of drive	5	0.30	0.32	0.74	0.66	0.50	0.00	0.00	0.53	0.30	0.43	0.42	0.34	0.68	0.33	0.46	0.72	0.59	
362	Dawson Pittsburg	4/16/2015	Yes		3	0.27	0.28	0.46	0.61	0.39	0.45	0.30	0.25	0.50	0.00	0.44	0.00	0.55	0.18	0.50	0.67	0.59	
38	E 21st Ct 12149	9/3/2008	Yes	Midblock	6	0.30	0.35	0.56	0.98	0.40	0.37	0.49	0.39	0.28	0.70	0.89	0.34	0.48	0.39	0.48	0.68	0.58	
287	4972 S Newport	11/4/2013	Yes		9	0.38	0.32	0.35	0.19	0.47	0.55	0.63	0.67	0.41	0.73	0.39	0.73	0.29	0.69	0.59	0.56	0.58	
336	1217 E 48 St N	10/24/2014	Yes	Midblock	1	0.27	0.35	0.74	0.80	0.19	0.43	0.00	0.00	0.15	0.72	0.36	0.70	0.47	0.09	0.46	0.69	0.58	
489	E 55th St Gillette Ave	3/4/2018	Maybe 240'	Light on NW corner of S Lewis Ave/E 55th St	9	0.39	0.35	0.33	0.30	0.77	0.00	0.00	0.77	0.33	0.00	0.32	0.67	0.38	0.54	0.52	0.63	0.57	
253	4701 S Madison Av	11/26/2012	Yes		9	0.42	0.31	0.29	0.27	0.58	0.56	0.62	0.71	0.41	0.70	0.38	0.74	0.37	0.71	0.59	0.54	0.57	
289	Cincinnati 36 St N to 46 St N	11/13/2013	Maybe	Has some/could use more	1	0.19	0.25	0.50	0.80	0.18	0.31	0.00	0.09	0.22	0.00	0.45	0.05	0.60	0.09	0.46	0.67	0.56	
386	5453 S Boston Av	10/29/2015	Yes	Midblock	9	0.42	0.38	0.56	0.43	0.23	0.46	0.32	0.56	0.36	0.78	0.57	0.93	0.50	0.53	0.54	0.58	0.56	
158	36 St N Peoria & Lewis	5/12/2011	Yes #109		1	0.42	0.51	0.73	0.68	0.21	0.29	0.00	0.29	0.30	0.32	0.45	0.78	0.48	0.17	0.44	0.69	0.56	
432	E 21 St I-44 to 99 E Av	12/14/2016	Maybe	Several business lights parking lots	5	0.31	0.38	0.52	0.76	0.51	0.37	0.02	0.62	0.30	0.70	0.74	0.64	0.57	0.48	0.51	0.60	0.56	
185	7871 E Independence St	9/29/2011	Yes		3	0.33	0.28	0.48	0.85	0.27	0.33	0.05	0.02	0.38	0.00	0.21	0.00	0.75	0.22	0.43	0.68	0.55	

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284	Denver Pl Zion	10/4/2013	Yes		1	0.27	0.39	0.48	1.00	0.10	0.16	0.00	0.07	0.29	0.00	0.65	0.74	0.47	0.16	0.43	0.66	0.55
41	S Jamestown Ave 35th St	12/16/2008	Yes	#121/neig hborhood	9	0.50	0.50	0.48	0.64	0.79	0.79	0.47	0.88	0.14	0.00	0.48	0.74	0.63	0.56	0.49	0.60	0.55
191	4007 E 32nd St	10/3/2011	Yes	It is a field	9	0.50	0.44	0.59	0.75	0.88	0.74	0.28	0.84	0.21	0.00	0.43	0.72	0.63	0.51	0.47	0.61	0.54
177	4937 S. Maplewood Av	8/25/2011	Yes		5	0.47	0.44	0.16	0.44	0.77	0.71	0.15	0.82	0.19	0.00	0.69	0.29	0.46	0.52	0.54	0.54	0.54
36	S 96th E Ave 2202	10/2/2008	Maybe	Private?	5	0.31	0.38	0.57	0.81	0.48	0.44	0.00	0.57	0.27	0.62	0.77	0.74	0.58	0.49	0.50	0.58	0.54
123	106th E Ave 2932	6/3/2010	Yes		6	0.23	0.32	0.52	0.73	0.56	0.48	0.29	0.57	0.19	0.00	0.86	0.17	0.73	0.39	0.51	0.54	0.53
514	28 E 51 Pl	9/9/2018	Maybe	close 250'	9	0.43	0.38	0.49	0.27	0.36	0.43	0.46	0.60	0.40	0.64	0.39	0.95	0.37	0.71	0.54	0.51	0.52
353	3432 S Gary Pl	1/27/2015	Yes	Dup with #394	9	0.52	0.54	0.43	0.64	0.74	0.65	0.54	0.88	0.07	0.00	0.49	0.72	0.53	0.63	0.47	0.57	0.52
450	1934 E 51st Pl	4/11/2017	Yes	cul-de-sac	9	0.29	0.29	0.47	0.32	0.60	0.19	0.09	0.67	0.37	0.15	0.30	0.44	0.28	0.60	0.50	0.52	0.51
355	9052 E 27 St	2/2/2015	Yes		5	0.43	0.49	0.43	0.98	0.52	0.45	0.00	0.40	0.21	0.01	0.77	0.83	0.34	0.47	0.42	0.60	0.51
453	8624 E. 30th St. Tulsa, OK 74129	5/22/2017	Yes	cul-de-sac	5	0.47	0.43	0.40	0.68	0.66	0.30	0.00	0.62	0.11	0.00	0.52	0.37	0.58	0.51	0.44	0.57	0.51
389	E 24 st Norwood	11/17/2015	Yes	Real close to 300'	5	0.45	0.48	0.57	0.23	0.50	0.54	0.14	0.43	0.01	0.31	0.54	0.00	0.46	0.52	0.46	0.55	0.51
176	8813 E 2nd St	8/19/2011	Yes		3	0.52	0.55	0.45	0.95	0.61	0.16	0.05	0.07	0.40	0.00	0.20	0.67	0.54	0.27	0.39	0.63	0.51
93	6803 East 50th Street 6803 East 50th Street	8/28/2009	Yes		5	0.47	0.43	0.13	0.49	0.78	0.51	0.15	0.75	0.11	0.00	0.85	0.02	0.38	0.57	0.51	0.50	0.51
92	6814 East 50th Street 6814 East 50th Street	8/30/2009	Yes	cul-de-sac	5	0.47	0.42	0.13	0.50	0.77	0.50	0.15	0.75	0.11	0.00	0.85	0.02	0.38	0.58	0.51	0.50	0.50

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272	3225 126 E Av	7/9/2013	Maybe 320'		6	0.40	0.45	0.21	1.00	0.35	0.10	0.43	0.04	0.25	0.00	0.89	0.00	0.45	0.37	0.42	0.55	0.48
236	9802 E 24th St	8/3/2012	Yes		5	0.32	0.40	0.57	0.93	0.44	0.55	0.00	0.45	0.13	0.36	0.83	0.66	0.53	0.51	0.45	0.51	0.48
68	N Cincinnati 36th St N to 56th St N	3/4/2009	Yes	Long stretch	1	0.15	0.24	0.71	0.75	0.12	0.31	0.00	0.12	0.33	0.00	0.40	0.15	0.63	0.08	0.46	0.51	0.48
152	4638 S. Winston Ave	4/14/2011	Yes		9	0.40	0.36	0.38	0.82	0.82	0.29	0.09	0.63	0.13	0.00	0.35	0.66	0.43	0.68	0.44	0.52	0.48
378	1325 47 Pl N	8/12/2015	Yes		1	0.33	0.45	0.90	0.95	0.18	0.28	0.00	0.00	0.21	0.68	0.26	0.38	0.63	0.10	0.39	0.57	0.48
294	91 St S Lewis	11/22/2013	Maybe	220' Apt. security light	2	0.60	0.67	0.82	0.10	0.82	0.39	0.63	0.55	0.00	0.00	0.54	0.84	0.38	0.59	0.45	0.50	0.48
428	S Darlington Avq E 39 Pl	11/23/2016	Yes	needs several	5	0.57	0.53	0.87	0.89	0.90	0.85	0.38	0.80	0.52	0.00	0.52	0.73	0.33	0.61	0.40	0.56	0.48
200	91 & Lewis	11/30/2011	Yes		2	0.60	0.67	0.83	0.10	0.82	0.39	0.63	0.55	0.00	0.00	0.54	0.83	0.39	0.59	0.45	0.50	0.48
297	125 Woodward Blvd	1/10/2014	Yes	Dead End/close 325'	4	0.63	0.58	0.52	0.66	0.60	0.72	0.00	0.56	0.95	0.24	0.83	0.96	0.43	0.84	0.45	0.50	0.47
34	E 33rd Pl Peoria to Riverside	11/21/2008	Yes	Neighborhood	9	0.63	0.56	0.15	0.95	0.65	0.70	0.47	0.53	0.52	0.77	0.59	0.88	0.15	0.92	0.46	0.48	0.47
417	3630 S Sandusky Ave	11/2/2016	Yes	Close 311'	9	0.56	0.47	0.82	0.86	0.74	0.70	0.26	0.76	0.56	0.00	0.40	0.70	0.58	0.50	0.42	0.51	0.46
221	2739 Woodward Blvd	3/22/2012	Maybe 336'		4	0.66	0.62	0.51	0.64	0.57	0.69	0.00	0.56	0.93	0.35	0.82	0.93	0.42	0.84	0.45	0.48	0.46
217	4326 S 29 W Av	2/29/2012	Maybe 351'		2	0.46	0.40	0.57	0.28	0.26	0.69	0.15	0.28	0.40	0.00	0.35	0.06	0.45	0.21	0.48	0.44	0.46
192	6603 E 28th St	10/19/2011	Yes		5	0.45	0.46	0.65	0.46	0.54	0.55	0.44	0.53	0.10	0.04	0.49	0.10	0.40	0.50	0.43	0.49	0.46
329	E 51st St S Columbia Av	9/17/2014	Yes		9	0.59	0.58	0.26	0.66	0.72	0.08	0.00	0.84	0.26	0.00	0.23	0.40	0.34	0.66	0.40	0.51	0.45
262	4662 E 55 St	3/22/2013	Maybe 191'	one on Yale right	9	0.61	0.69	0.75	0.84	0.84	0.70	0.00	0.74	0.71	0.00	0.47	0.74	0.35	0.69	0.37	0.53	0.45

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						Safety from Violent Crime	Safety from Nonviolent Crime	Pedestrian Safety	Cyclist Safety	Nearby Jobs	Nearby Schools	Nearby Groceries	Nearby Healthcare	Nearby Parks	Nearby BRT	Sidewalk Density	Bike Lane Density	Commuter Multimodal Split					Economic Conditions		
				behind cul-de-sac																					
407	73 st S 99 E Av	8/26/2016	Yes	Midblock	7	0.43	0.44	0.33	0.36	0.91	0.05	0.38	0.53	0.01	0.00	0.32	0.14	0.23	0.77	0.44	0.46				0.45
33	S 87th E Ave E 60th Pl	11/7/2008	Yes		7	0.56	0.53	0.21	0.90	0.85	0.48	0.15	0.60	0.27	0.00	0.75	0.00	0.39	0.62	0.41	0.48				0.44
8	56th Street N Utica to Peoria	11/7/2008	Maybe	1530 to Peoria/56 St. N	1	0.31	0.41	0.79	1.00	0.11	0.33	0.00	0.00	0.15	0.59	0.23	0.31	0.79	0.12	0.39	0.49				0.44
57	48th St Between 25th W Ave and 26th W Ave	2/3/2009	Yes	Midblock	2	0.42	0.35	0.69	0.29	0.34	0.58	0.07	0.37	0.38	0.00	0.27	0.18	0.59	0.25	0.48	0.41				0.44
498	2719 E 61st St S	7/12/2018	Yes	Project/str etch of trees	9	0.59	0.58	0.62	0.34	0.87	0.00	0.00	0.42	0.13	0.00	0.29	0.55	0.55	0.65	0.40	0.48				0.44
352	25 Pl between Joplin/Sheridan	1/17/2015	Yes	Trim tree on Joplin/mid block	5	0.50	0.50	0.66	0.42	0.49	0.47	0.20	0.44	0.09	0.15	0.50	0.01	0.42	0.54	0.41	0.47				0.44
252	4565 E 45th St	11/20/2012	Yes		9	0.46	0.41	0.45	0.90	0.78	0.29	0.13	0.65	0.15	0.00	0.35	0.60	0.37	0.71	0.40	0.48				0.44
96	5647 S. 85th East Avenue Woodland Views 2	9/26/2009	Yes	#102 Dup.-close to #251	7	0.61	0.58	0.34	0.88	0.82	0.40	0.11	0.56	0.48	0.00	0.77	0.00	0.45	0.58	0.40	0.46				0.43
309	5632 85 E Av	3/24/2014	Yes	on a curve	7	0.61	0.58	0.34	0.88	0.82	0.39	0.11	0.55	0.48	0.00	0.77	0.00	0.45	0.58	0.40	0.46				0.43
84	31st Place North 1731 East 31st Place N	8/7/2009	Yes		1	0.61	0.68	0.81	0.69	0.15	0.18	0.00	0.01	0.16	0.03	0.34	0.48	0.29	0.23	0.31	0.55				0.43
97	4966 West 2nd Street Park area behind house	8/25/2009	Maybe	Katy Trail	1	0.29	0.32	0.52	0.96	0.11	0.20	0.00	0.00	0.44	0.00	0.43	0.85	0.69	0.16	0.45	0.38				0.42
301	5703 W 2 St	2/3/2014	Yes		0	0.33	0.38	0.56	1.00	0.06	0.00	0.00	0.00	0.42	0.00	0.25	0.85	0.73	0.13	0.41	0.41				0.41

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179	38th & S Florence Av	8/30/2011	Yes		9	0.65	0.67	0.51	0.39	0.54	0.35	0.50	0.69	0.06	0.00	0.47	0.65	0.25	0.70	0.41	0.40	0.40
241	4929 W 11 St	9/12/2012	Yes		1	0.39	0.38	0.65	0.88	0.08	0.16	0.00	0.00	0.51	0.00	0.37	0.49	0.86	0.11	0.42	0.38	0.40
40	S Urbana Ave 2645	8/24/2008	Yes	Midblock/pole near	4	0.63	0.51	0.50	0.84	0.84	0.08	0.15	0.63	0.15	0.14	0.47	0.50	0.06	0.85	0.34	0.46	0.40
518	S Yale Ave. E 75th Street	12/4/2018	Yes		8	0.65	0.58	0.46	0.97	0.80	0.06	0.28	0.67	0.17	0.00	0.31	0.16	0.52	0.76	0.32	0.46	0.39
499	4338 E 69th St S	7/19/2018	Yes		8	0.56	0.60	0.98	1.00	0.84	0.00	0.00	0.73	0.00	0.00	0.22	0.69	0.21	0.65	0.26	0.51	0.38
82	Gary Avenue 4455 Gary Avenue	7/23/2009	Yes		9	0.75	0.73	0.41	0.60	0.66	0.14	0.40	0.90	0.32	0.00	0.30	0.04	0.40	0.77	0.35	0.42	0.38
279	3114 S 69 E Av	9/4/2013	Yes		5	0.57	0.55	0.69	0.61	0.61	0.24	0.39	0.50	0.11	0.00	0.54	0.06	0.50	0.55	0.37	0.39	0.38
275	3119 S 69 E Av	7/25/2013	Yes		5	0.57	0.55	0.69	0.61	0.62	0.23	0.39	0.50	0.11	0.00	0.54	0.05	0.50	0.55	0.37	0.39	0.38
525	6752 S 72nd East Ave	2/14/2019	Yes	Midblock	7	0.68	0.67	0.90	0.95	0.82	0.72	0.36	0.63	0.36	0.00	0.64	0.00	0.46	0.73	0.30	0.45	0.37
495	871 S 64th Ave W	5/22/2018	Yes	cul-de-sac	1	0.36	0.40	0.57	1.00	0.01	0.00	0.00	0.00	0.41	0.00	0.12	0.78	0.36	0.02	0.39	0.36	0.37
250	Yale N Young	10/24/2012	Yes		3	0.46	0.49	0.99	0.43	0.19	0.00	0.00	0.00	0.09	0.00	0.27	0.00	0.60	0.08	0.35	0.39	0.37
292	Young Ct N Yale	11/19/2013	Maybe	Security light 113'	3	0.46	0.49	0.99	0.43	0.19	0.00	0.00	0.00	0.09	0.00	0.27	0.00	0.60	0.08	0.35	0.39	0.37
122	57th Pl Columbia Pl	5/14/2010	Yes	Neighborhood	9	0.70	0.69	0.70	0.65	0.77	0.12	0.00	0.52	0.26	0.00	0.20	0.56	0.44	0.74	0.31	0.42	0.36
343	4330/4338 E 74 Pl	11/5/2014	Yes	One midblock	8	0.75	0.66	0.60	1.00	0.78	0.00	0.23	0.61	0.08	0.00	0.31	0.36	0.43	0.73	0.27	0.45	0.36
399	8256 E 37 St	2/2/2016	Yes	330' from security light	5	0.60	0.55	0.78	0.78	0.71	0.41	0.00	0.36	0.02	0.00	0.45	0.07	0.46	0.55	0.31	0.40	0.36
6	71st Street Columbia	9/1/2008	Yes	Neighborhood/Russ Roach	2	0.72	0.75	0.71	0.70	0.70	0.05	0.00	0.57	0.00	0.05	0.33	0.00	0.76	0.54	0.30	0.41	0.35

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335	13279 E 32 Ct	10/23/2014	Yes	Neighborhood	6	0.42	0.47	0.61	1.00	0.20	0.25	0.32	0.00	0.45	0.00	0.88	0.00	0.50	0.52	0.35	0.34	0.35
50	S Florence Pl 8940 (north of)	8/13/2008	Maybe 307'	307' to driveway	2	0.69	0.75	0.94	0.44	0.66	0.24	0.31	0.45	0.00	0.00	0.44	0.74	0.47	0.75	0.32	0.37	0.35
228	E 60 Pl S Columbia Av	5/16/2012	Yes		9	0.71	0.69	0.75	0.59	0.80	0.07	0.00	0.44	0.19	0.00	0.20	0.50	0.46	0.75	0.30	0.39	0.35
437	5867 S Kingston Ave	2/1/2017	Yes	Midblock	9	0.72	0.69	0.62	0.88	0.66	0.72	0.00	0.64	0.29	0.00	0.62	0.04	0.44	0.62	0.32	0.37	0.35
52	E 89th St Delaware (west, near corner)	8/13/2008	Yes		2	0.69	0.71	0.91	0.51	0.60	0.40	0.26	0.33	0.00	0.00	0.39	0.51	0.61	0.76	0.31	0.38	0.35
43	S Irvington Ave 6544	6/30/2008	Maybe 300'	close to 300'	9	0.81	0.75	0.73	0.99	0.92	0.17	0.13	0.62	0.01	0.00	0.55	0.00	0.19	0.50	0.25	0.44	0.34
22	S 67th E Ave 5859	12/3/2008	Yes		7	0.76	0.71	0.56	0.97	0.66	0.54	0.00	0.60	0.37	0.00	0.71	0.00	0.50	0.58	0.31	0.38	0.34
209	5722 E 63 Pl	1/17/2012	Yes		9	0.81	0.73	0.63	1.00	0.97	0.18	0.01	0.58	0.03	0.00	0.58	0.00	0.17	0.48	0.26	0.42	0.34
197	5634 S Delaware Av	10/12/2011	Yes		9	0.75	0.73	0.71	0.73	0.72	0.18	0.00	0.52	0.33	0.00	0.17	0.57	0.43	0.71	0.29	0.39	0.34
398	2114 S Birmingham Ct	2/1/2016	Yes	cul-de-sac	4	0.74	0.71	0.53	0.92	0.72	0.52	0.13	0.87	0.12	0.00	0.62	0.06	0.28	0.84	0.30	0.39	0.34
39	S Florence Dr 27th	9/4/2008	Yes		4	0.57	0.61	0.54	0.92	0.65	0.14	0.32	0.76	0.06	0.00	0.41	0.20	0.15	0.79	0.31	0.37	0.34
21	S 88th E Ave 7942	11/11/2008	Yes		7	0.70	0.68	0.41	1.00	0.71	0.58	0.00	0.63	0.01	0.00	0.37	0.00	0.25	0.82	0.28	0.38	0.33
90	1766 East 51st Street N	9/17/2009	Maybe 326'	326'	1	0.34	0.49	0.88	1.00	0.09	0.05	0.00	0.00	0.34	0.21	0.13	0.02	0.81	0.11	0.33	0.31	0.32
49	E 89th St 2885 (east of)	8/13/2008	Yes		2	0.72	0.74	0.95	0.57	0.56	0.34	0.23	0.33	0.00	0.00	0.38	0.52	0.60	0.79	0.28	0.35	0.32
504	159 E 29th Pl S	8/16/2018	Maybe	close 250'	4	0.76	0.75	0.45	0.94	0.36	0.49	0.00	0.29	0.65	0.56	0.45	0.93	0.49	0.86	0.34	0.29	0.32
242	8557 E 38 St	9/13/2012	Yes		5	0.66	0.64	0.94	0.89	0.68	0.52	0.00	0.20	0.07	0.00	0.56	0.13	0.38	0.55	0.27	0.33	0.30

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490	S Delaware Pl E 71 St	3/6/2018	Maybe 230'	Lights at intersection of S Timberlane Rd/E 71st St	2	0.80	0.82	0.80	0.79	0.62	0.01	0.00	0.50	0.00	0.01	0.31	0.01	0.75	0.54	0.24	0.34	0.29
512	129 E Ave 51 St to 61 St	10/21/2018	Yes	One on 55th/needs several more	7	0.89	0.83	1.00	1.00	0.93	0.00	0.00	0.64	0.14	0.00	0.28	0.00	0.15	0.59	0.17	0.41	0.29
269	S. Lewis - 83rd to 87th St.	6/11/2013	Yes		2	0.74	0.69	0.85	0.88	0.42	0.52	0.06	0.16	0.00	0.07	0.24	0.19	0.88	0.83	0.24	0.32	0.28
232	E 57 St S Louisville	5/25/2012	Yes		9	0.79	0.83	0.94	0.96	0.49	0.72	0.00	0.33	0.34	0.00	0.49	0.70	0.66	0.71	0.26	0.30	0.28
528	Louisville Ave to Oswego Ave 61 St to 63 St (Braeswood Homeowners Assoc.)	3/13/2019	Yes	Several midblock	8	0.75	0.78	0.95	1.00	0.57	0.36	0.00	0.47	0.14	0.00	0.30	0.63	0.47	0.71	0.23	0.32	0.27
306	73 St. Evanston	3/6/2014	Yes	In median by S/M	2	0.85	0.85	0.85	0.84	0.62	0.01	0.00	0.45	0.00	0.01	0.25	0.00	0.75	0.57	0.21	0.30	0.26
345	58 St E Indianapolis Av	11/10/2014	Yes		9	0.83	0.84	0.95	0.96	0.41	0.59	0.00	0.32	0.28	0.00	0.47	0.63	0.62	0.68	0.24	0.26	0.25
438	87 St S E Memorial Dr	2/14/2017	Yes		8	0.80	0.78	0.84	1.00	0.64	0.26	0.00	0.49	0.17	0.00	0.19	0.33	0.19	0.87	0.19	0.29	0.24
470	6011 S Marion Ave	9/26/2017	Maybe 200'	cul-de-sac	9	0.84	0.86	0.96	1.00	0.44	0.51	0.00	0.29	0.17	0.00	0.40	0.60	0.60	0.71	0.21	0.24	0.22
175	84th E Ave 98th and 101st	8/9/2011	Yes		7	0.85	0.84	0.99	1.00	0.59	0.01	0.32	0.46	0.16	0.00	0.29	0.58	0.37	0.92	0.17	0.27	0.22
119	East 45th Place S Zunis Avenue	6/4/2010	Yes #138	In median	9	0.74	0.73	0.80	0.89	0.39	0.00	0.00	0.62	0.02	0.01	0.32	0.00	0.49	0.79	0.21	0.19	0.20

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455	35th St. and S. Columbia Pl.	6/7/2017	Yes		9	0.85	0.86	0.83	0.62	0.27	0.06	0.13	0.29	0.00	0.00	0.26	0.69	0.17	0.81	0.21	0.17	0.19	
354	74 S Sleepy Hollow Drive	1/27/2015	Yes		8	0.89	0.83	1.00	1.00	0.43	0.00	0.00	0.39	0.00	0.00	0.28	0.46	0.47	0.67	0.16	0.21	0.19	
35	S 74th E Ave 9696	10/2/2008	Maybe	End of corner/private	8	0.85	0.86	0.86	0.98	0.56	0.00	0.22	0.42	0.07	0.00	0.15	0.23	0.42	0.83	0.16	0.21	0.18	
126	3232 S Yorktown Ave	7/23/2010	Yes		9	0.84	0.83	0.74	0.75	0.26	0.11	0.01	0.10	0.27	0.17	0.30	0.54	0.13	0.94	0.20	0.17	0.18	
350	2520 E 49 St N	12/18/2014	Yes	If citizen wants it on 49th or on ranch	1	0.66	0.79	0.82	0.99	0.03	0.02	0.00	0.00	0.10	0.00	0.17	0.28	0.76	0.10	0.25	0.11	0.18	
313	1315 N Rosedale Av	4/25/2014	Yes	#190 next door	1	0.57	0.62	0.54	0.96	0.00	0.07	0.00	0.01	0.34	0.00	0.40	0.01	0.36	0.20	0.30	0.05	0.17	
521	W. 81st Street Elwood Ave. to Titan Sports Complex	1/18/2019	Yes	Project/trees/by White House	2	1.00	0.96	1.00	1.00	0.52	0.00	0.12	0.18	0.00	0.00	0.44	0.55	0.12	0.62	0.13	0.21	0.17	
190	1327 N Rosedale Av	10/6/2011	Yes	#313 next door	1	0.59	0.63	0.54	0.96	0.00	0.08	0.00	0.01	0.35	0.00	0.40	0.01	0.37	0.20	0.30	0.05	0.17	
480	E 56th N Birmingham	1/3/2018	Yes		1	0.89	0.89	0.14	1.00	0.01	0.00	0.00	0.07	0.11	0.00	0.10	0.00	0.75	0.10	0.27	0.06	0.17	
302	75 Pl Harvard	2/4/2014	Yes		8	0.94	0.87	1.00	1.00	0.40	0.00	0.00	0.32	0.00	0.00	0.17	0.15	0.53	0.65	0.13	0.14	0.14	
211	46 St E 145 Av	1/23/2012	Yes		6	0.89	0.92	1.00	1.00	0.33	0.19	0.00	0.00	0.00	0.00	0.23	0.00	0.26	0.67	0.10	0.11	0.10	
530	S 121 St S Sheridan	3/21/2019	Yes		8	1.00	0.99	1.00	1.00	0.06	0.00	0.00	0.38	0.00	0.00	0.10	0.00	0.29	0.84	0.05	0.13	0.09	
391	6828 S 30 W Av	12/2/2015	Yes		2	0.86	0.90	0.86	1.00	0.18	0.00	0.00	0.14	0.07	0.00	0.08	0.00	0.15	0.65	0.11	0.06	0.08	
501	100 West 36th St N N Osage Dr	8/5/2018	Yes	from Tisdale to Osage on 36 St N	0	1.00	0.99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.12	0.58	0.29	0.11	0.04	0.08	

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14	N Gilcrease Museum Rd 2451	6/27/2008	Very Rural		1	0.93	0.93	1.00	1.00	0.00	0.10	0.00	0.32	0.00	0.00	0.11	0.00	0.41	0.33	0.13	0.01	0.07
212	10454 S Knoxville Av	1/25/2012	Yes		8	0.96	0.95	1.00	0.98	0.12	0.00	0.00	0.03	0.03	0.00	0.06	0.00	0.21	0.87	0.05	0.04	0.04