



MEMORANDUM

TO: Mayor and City Council
FROM: Tom Crawford, Interim City Administrator
DATE: April 6, 2020
SUBJECT: Streetlight Update

This memorandum is provided in response to questions received related to streetlights.

Resolution [R-19-238](#) Amendment #5 required that the City Administrator present to Council recommendations for ongoing, recurring funding (amounts and sources) that would complete the crosswalk lighting upgrades/additions and establish adequate provision for new streetlights at non-crosswalk locations as well as streetlight replacements.

- Complete crosswalk lighting upgrades/additions
 - As of April 1, 2020 there are 136 crosswalk locations on major streets which have been identified as needing enhancements to achieve positive contrast lighting. The estimated cost for these improvements is \$578,818*. Attachment A lists the locations and the estimated costs for the streetlight installation*; Attachment B is a corresponding map showing the locations geographically (*note: this total does not include the costs for streetlights that would be installed as part of a programmed capital improvement because the total project cost would include streetlight upgrades). This figure is based on encumbered amounts for streetlight purchase orders in process with DTE and estimates from historical averages of similar streetlight installations. It should be noted that this figure does not reflect any future lighting needs for *new* crosswalks.
 - The funding for any streetlight additions has historically come from the General Fund. In recent years, installations specific to Major Street Uncontrolled Crosswalks has been funded from the County Mental Health Millage (County millage). Funds from the County millage are recommended to continue this this work in the future.
 - It also bears mention, that funding is not the only constraint to complete all of the identified streetlight upgrades. There are also capacity issues that limit how much can be accomplished in a year. At the time of this response, there are over 20 pending orders with DTE for streetlights, some of which date back to 2017. While DTE has recently shown improvements on the rate of streetlight installations, the 2019 average was less than 5 streetlight installation locations per month. Additionally, streetlights require a notable amount of coordination between the City and DTE on agreements,

purchase orders, design, permitting, utility location, etc. – all of which can delay a project.

- New streetlights at non-crosswalk locations
 - The recent focus of streetlight installations has been on illuminating crosswalks to achieve positive contrast lighting. As such, very few non-crosswalk locations have been pursued outside of the DDA area.
 - In the FY2020 budget, \$100,000 of the \$530,000 programmed for streetlight pole replacements was allocated for new streetlights at non-crosswalk locations. There are several corridors identified for new and improved streetlights. Ann Arbor-Saline Rd. is identified as one of the highest needs and staff is currently evaluating how much of the project can be built with existing budgets.
 - As to the recommendation on amounts and sources, staff looks to City Council for additional policy guidance. Outside of the safety needs of illuminating crosswalks and intersections, it is unclear which objectives should be a priority for new streetlight installations. Considerations may include citizen/business requests, other demonstrated safety concerns, presence of bike lanes, presence of sidewalks, or uniform standards for different road types. The objectives identified by City Council will help staff estimate an appropriate budget.
 - Keep in mind that each addition to the streetlight network represents an ongoing financial commitment. Based on analysis performed in 2017, the 40-year cost of one street light was estimated to be \$43,013 (Attachment C).
- Streetlight replacements
 - An asset management model was developed in 2017 and 2018. At that time, the estimate to keep the system maintained at acceptable levels would require \$530,000 annually (Attachment D). It should be noted, however, that the model called for upwards of \$760,000 of annual investment to keep the streetlight network in optimal condition.
 - In FY2019, 85 streetlights were replaced by a City's contractor at a cost of \$523,457.
 - It is recommended that \$530,000 continue to be funded annually for ongoing replacement and maintenance. When the asset management model is updated, staff will re-evaluate if this amount of funding will be adequate to maintain the system into the future.

Other issues/questions and the corresponding responses are as follows

- How many crosswalks were installed without streetlights?

All uncontrolled crosswalk improvements on major roads which received enhanced treatments (such as rectangular rapid flashing beacon signs) have corresponding requests with DTE to install positive contrast lighting. Additionally, it is important to note that all new crosswalk/RRFB installations with the exception of one had orders placed to DTE prior to the installation of the RRFBs. The exception was the Stadium/Edgewood RRFB which was reconstructed to be an overhead RRFB in February 2019 in short order with existing materials. Lighting existed in the area but the request to move the DTE streetlight to provide positive contrast lighting followed the upgrade by about one month. The table below shows the relationship of RRFB installations and DTE streetlight orders:

2019 RRFB & Streetlight Installations			
Location	RRFB Installation	DTE Streetlight Request	DTE Streetlight Installation
Huron/Thayer	Request to MDOT = 2015	June 2018	August 2019 (DTE)
Stadium/Edgewood (upgrade)*	February 2019	April 2019	December 2019 (DTE)
S. Main/Fieldcrest	August 2019	June 2018	February 2020 (DTE)
Green/Green Brier	August 2019	October 2018	February 2020 (DTE)
Geddes Rd. outside Concordia	August 2019		August 2019 (City)
N. Maple outside Peace Neighborhood Cent	September 2019	January 2019	March 2020 (DTE)
N. Maple outside Alano Club	September 2019	January 2019	not completed
N. Maple near Walter Dr	September 2019	May 2019	not completed
Eisenhower Pkwy/Plaza Rd	September 2019	June 2018	October 2018 (City)
S. Maple near Bens Dr	September 2019	May 2019	not completed

- Staff acknowledges that the installation of the streetlights often does not align with the improvements to the crosswalk. While efforts are made to coordinate all improvements to the crosswalk, staff is unable to control DTE's schedule for installation of streetlights.
- As previously reported, 60 new streetlights were installed at 41 locations in 2019. Of these, 37 were at locations for uncontrolled crosswalks. Additionally, the DDA installed 78 new streetlights as part of the Fifth/Detroit and Huron projects. The tables below illustrate the locations of streetlight installations in 2019, exclusive of those associated with DDA projects.

2019 Streetlight Installations (non-RRFB)			
Location	Streetlight Installation	Location	Streetlight Installation
Beakes @ N. Fourth	November 2019 (DTE)	Nixon @ Clague	August 2019 (DTE)
Brockman @ Shaford/Tappan Middle	December 2019 (DTE)	Nixon/Sandalwood	December 2019 (City)
Catherine W of N State	May 2019 (DTE)	Packard @ Buhr Park/Hikone Dr	August 2019 (DTE)
Earhart at Glazier Way	August 2019 (DTE)	Packard @ Woodmanor	August 2019 (DTE)
Earhart at Greenhills North	August 2019 (DTE)	Packard N of Coler	August 2019 (DTE)
Earhart at Greenhills South (N)	August 2019 (DTE)	Packard S of King George	September 2019 (DTE)
Earhart at Greenhills South (S)	August 2019 (DTE)	Platt @ Edgewood	December 2019 (DTE)
Green near Kilburn Park Cir	November 2019 (City)	Platt @ Oakwood	September 2019 (DTE)
Green near Whisperwood	December 2019 (City)	S. Main north of Oakbrook	December 2019 (City)
Hill St @ Oakland Ave	July 2019 (DTE)	Scio Church @ Chaucer	March 2019 (DTE)
Hill St @ Tappan	July 2019 (DTE)	Scio Church and Chaucer Crosswalk	March 2019 (DTE)
Huron E of Thayer	August 2019 (DTE)	State at Monroe	October 2019 (DTE)
Liberty @ Virginia (E)	August 2019 (DTE)	Stone School @ Birch Hollow Dr	December 2019 (City)
Liberty @ Virginia (W)	August 2019 (DTE)	Stone School/Pebble Creek/Baylis	June 2019 (DTE)
Maple @ Miller	August 2019 (DTE)	Washington at Liberty Square	May 2019 (City)
Miller @ Gott	December 2019 (DTE)	Washtenaw @ Tappan Middle School	August 2019 (DTE)
Miller @ Newport	July 2019 (DTE)	Woodlawn W of Packard	June 2019 (DTE)
Miller @ Wesley	July 2019 (DTE)	Yorkshire @ Dorchester	August 2019 (DTE)
Newport and Sunset	June 2019 (DTE)		

- How many streetlights does the City own?
 - As of February 1, 2020, the City owns, operates, and maintains 2,617 streetlights
 - The City leases 5,119 streetlights from DTE.

- How are outages reported?
 - The City largely relies on citizens to report outages through A2FixIt, email or phone call. The location of the streetlight is checked for ownership and then routed to either City crews or DTE to address the outage.
 - The City and DTE conduct periodic night-time patrols to identify outages that might not otherwise have been reported.
 - The City is currently exploring “smart” streetlights that would notify staff when they are not working properly. Research is being done on a solution that can be applied to new streetlight installations.
- How long does it take to fix a streetlight outage?
 - Once an outage is reported, the repair depends on the cause and complexity of the problem. Sometimes, the problem is simple and can be addressed soon after the outage becomes known. However, other outages may be the result of more complicated issues. Repairs take longer if they require new wiring/conduit/cables, underground boring, MISSDIG clearance, permitting, pole replacement, transformer issues, etc. Repairs may also be complicated by weather which may prevent work from proceeding.
 - The City has a target of fixing a City-owned streetlight outage within 72 hours of MISSDIG clearance (if required).
 - The City addressed 162 streetlight outages on its network in 2019.
 - DTE serviced 818 outage events from April to December 2019 (note: an outage event may include multiple light outages)
 - Staff is working with internal City tracking mechanisms to measure our response rate. Staff is also working with DTE to track their response rate.
- How is the work around streetlights prioritized?
 - Evaluation criteria (Attachment E) to determine the highest need for streetlights is centered on crosswalks and includes additional consideration of: the history of crashes; crash potential; proximity to transit stops; City vs. DTE system addition; proximity to activity generators/destinations; current lighting levels; street classification; and public requests/desire. This is the methodology used when creating the list and map in Attachments A and B.

I hope you find this information helpful. As always, please do not hesitate to contact staff if further assistance is needed.

cc: J Fournier
 R Hess
 S Higgins
 C Hupy
 M Praschan

ATTACHMENT A

MAJOR UNCONTROLLED CROSSING LIGHTING NEEDS (4/1/20)						
Location	Priority Level*	Quantity_Type	ProjectedCost	Funding Category	In Progress	In DDA
1 N Maple Rd at Walter Dr	New Crosswalk	2, add	\$5,000	Future Need	Yes	
2 N Maple Rd South of S Circle Dr	New Crosswalk	2, add	\$5,000	Future Need	Yes	
3 S Industrial at Central Academy	New Crosswalk	2, add	\$5,000	Future Need	Yes	
4 S Maple Rd South of Bens	New Crosswalk	2, add	\$5,000	Encumbered	Yes	
5 W Liberty St at Dartmoor Rd	New Crosswalk	1 add, 1 move	\$3,500	Future Need	Yes	
6 S State St at Stadium Bridge	Highest	1, add	\$4,000	Future Need	Yes	
7 Green Rd and Burbank N	Highest	1 move (city), 1 move DTE	\$16,500	Future Need		
8 S Forest Ave at Willard	Highest	2 add	\$6,500	Future Need	Yes	
9 Dexter Ave at Grandview Dr	Highest	2, add	\$5,000	Encumbered	Yes	
10 Maiden Ln at Nielsen Ct	Highest	TBD	\$0	Part of Capital Project	Yes	
11 N Division St at E Ann St	Highest	TBD	\$2,500	Future Need		
12 Nixon Rd north of Plymouth Rd	Highest	1, add	\$8,500	Future Need		
13 Packard St and Arch St	Highest	TBD - CIP Project	\$5,000	Future Need		
14 S State St at Arch St	Highest	2 add	\$5,000	Future Need		
15 W Liberty St at Crest Ave	Highest	1, add	\$2,500	Future Need	Yes	
16 N Ashley St at W Ann St	Highest	TBD	\$0	Part of Capital Project	Yes	Yes
17 Huron Pkwy just south of Glazier Way	Highest	TBD	\$0	Part of Capital Project	Yes	
18 Catherine St near Zina Pitcher Pl	High	1, move	\$8,000	Future Need		
19 Nixon Rd at Aurora St	High	1 add, 1 move	\$8,500	Future Need	Yes	
20 2587-2597 Plymouth Road	High	Adjust	\$4,000	Future Need	Yes	
21 Dhu Varren Rd at Foxridge Ct	High	2, add	\$5,000	Future Need	Yes	
22 Huron Pkwy just north of Glazier Way	High	TBD	\$0	Part of Capital Project	Yes	
23 Miller Ave at Chapin St	High	1 add, 1 move	\$5,500	Encumbered	Yes	
24 Miller Ave at Miner St	High	2, add	\$5,000	Future Need		
25 Packard St and Vaughn St	High	TBD - CIP Project	\$5,000	Future Need		
26 S Main St and E Hoover Ave	High	<Null>	\$0	Part of Capital Project	Yes	
27 W Madison St at Third St	High	2, add	\$5,000	Future Need	Yes	
28 W Madison St at Fifth St	High	2 move	\$6,000	Encumbered	Yes	
29 Catherine St at N Ingalls St	High	1, add	\$2,500	Future Need		
30 Catherine St at N Thayer St	High	1, add	\$2,500	Future Need		
31 Depot St at N Fourth Ave	High	1 add, 1 move	\$5,000	Future Need		
32 E Madison St by UM West Quad	High	2 add	\$5,000	Future Need		
33 Fuller Ct at Huron Towers and VA Hospital	High	2, add	\$0	Part of Capital Project	Yes	
34 Observatory St N of Geddes Ave	High	1 add ex pole, 1 move	\$3,800	Future Need		
35 Depot St at N Fifth Ave	High	2 adjust	\$2,000	Future Need		
36 Dexter Ave at Veterans Memorial Park	High	1 add, 1 move	\$3,300	Future Need		
37 Hill St and Tappan St	High	1, add	\$2,500	Future Need	Yes	
38 Maiden Ln at Island Dr	High	TBD	\$10,000	Future Need		

MAJOR UNCONTROLLED CROSSING LIGHTING NEEDS (4/1/20)

	Location	Priority Level*	Quantity_Type	ProjectedCost	Funding Category	In Progress	In DDA
39	Miller Ave at Brooks St	High	2, add	\$5,000	Future Need		
40	Miller Ave at Bruce	High	2, add	\$5,000	Future Need		
41	Miller Ave at Pine Tree Dr	High	2, add	\$5,000	Future Need		
42	Northside - Barton	High	1 add	\$1,839	Encumbered	Yes	
43	Packard St and Brooklyn Ave North	High	TBD - CIP Project	\$5,000	Future Need		
44	Packard St and Brooklyn Ave South	High	TBD - CIP Project	\$5,000	Future Need		
45	Packard St and Woodlawn Ave	High	TBD - CIP Project	\$2,500	Future Need		
46	Platt Rd at Edgewood Dr	High	2, add	\$5,000	Encumbered	Yes	
47	Platt Rd north of Williamsburg Dr	High	TBD	\$5,000	Future Need		
48	Pontiac St at Bowen St	High	1, add	\$2,500	Future Need		
49	S Industrial Hwy at Astor Ave	High	2, add	\$3,300	Future Need	Yes	
50	S Main St and Keech	High	2, add	\$0	Part of Capital Project	Yes	
51	S Main St at Mosley St	High	1, add	\$0	Part of Capital Project	Yes	Yes
52	S Maple Rd at Winewood Ave	High	1 add, 1 move	\$5,500	Future Need		
53	S State St at McKinley Ave	High	1 add, 1 long arm	\$3,500	Future Need		
54	W Liberty St at Fourth St	High	1, add	\$2,500	Future Need		
55	W Liberty St at Murray Ave	High	2, add	\$5,000	Future Need		
56	Fletcher St at University Health Services	High	2, add	\$5,000	Future Need		
57	3265 Baylis Dr at Stone School	Mid	2, add	\$5,000	Future Need		
58	Green Rd at Vintage Valley Rd	Mid	2, add	\$5,000	Future Need		
59	Nixon Rd at Bluett Dr	Mid	1 move	\$3,000	Future Need		
60	Pauline Blvd at Fifth St	Mid	1 add, 1 adjust	\$5,000	Future Need		
61	Pauline Blvd at Hutchins Ave	Mid	2, add	\$5,000	Future Need		
62	W Madison St at Fourth St	Mid	1 add, 1 adjust	\$3,500	Future Need		
63	Geddes Ave at Hickory Ln	Mid	1 add, 1 move	\$3,500	Future Need		
64	Geddes Ave at Hill St	Mid	1 move, 1 adjust	\$3,500	Future Need		
65	Geddes Ave W of Huron Pkwy	Mid	2, add	\$5,000	Future Need		
66	N First St at W Ann St	Mid	TBD	\$0	Part of Capital Project	Yes	Yes
67	Packard St and Gardner Ave	Mid	TBD - CIP Project	\$5,000	Future Need		
68	Platt Rd south of Redwood Ave	Mid	2, add	\$5,000	Future Need		
69	Pontiac St at Moore/Longshore	Mid	1 move, 1 adjust	\$3,000	Future Need		
70	S Division St at E Jefferson St	Mid	2 adjust	\$2,000	Future Need		
71	Packard St and E University	Mid	TBD - CIP Project	\$5,000	Future Need		
72	Packard St and Morton Ave	Mid	TBD - CIP Project	\$2,500	Future Need		
73	S Maple Rd at Dicken Dr	Mid	1 add, 1 move	\$4,328	Encumbered	Yes	
74	Church St Mid-block	Mid	2, add	\$5,000	Future Need		Yes
75	S University Ave and Linden St	Mid	1 add ex pole, 1 move	\$3,500	Future Need		
76	S University Ave and Walnut St	Mid	1 add, 1 add ex	\$3,500	Future Need		

MAJOR UNCONTROLLED CROSSING LIGHTING NEEDS (4/1/20)

Location	Priority Level*	Quantity_Type	ProjectedCost	Funding Category	In Progress	In DDA
77 E Hoover Ave at Sybil St	Mid	1 add, 1 move	\$5,500	Encumbered	Yes	
78 Geddes Ave at Arlington Blvd	Mid	2, add	\$5,000	Future Need		
79 Packard St and Brookwood Pl	Mid	TBD - CIP Project	\$5,000	Future Need		
80 Packard St and Sylvan Ave	Mid	TBD - CIP Project	\$5,000	Future Need		
81 Plymouth Rd west of Commonwealth Blvd	Mid	2 add on existing poles long arms	\$4,000	Future Need		
82 Tuebingen Pkwy at Lancashire	Mid	2, add	\$12,500	Future Need		
83 W Oakbrook Mid-Block	Mid	1 add, 1 move	\$0	Part of Capital Project	Yes	
84 Hill St and Oxford Rd	Low	2, add	\$5,000	Future Need		
85 S Seventh St at Delaware Dr	Low	1 add, 1 adjust	\$3,500	Future Need		
86 Geddes Ave and Walnut St	Low	1 add existing pole, 1 add	\$3,300	Future Need		
87 Geddes Ave at Linden	Low	2, add	\$5,000	Future Need		
88 Green Rd at south intersection with Burbank Dr	Low	1 add, 1 move	\$5,500	Future Need		
89 Hill St and Oakland Ave	Low	1, add	\$2,500	Future Need	Yes	
90 Hill St at Adams St	Low	2, add	\$5,000	Encumbered	Yes	
91 Miller Ave east of Hatcher Cres	Low	2, add	\$5,000	Future Need		
92 N Seventh St at Bath St	Low	1, add	\$2,500	Future Need		
93 N Seventh St at Willow St	Low	1, add	\$800	Future Need		
94 Platt Rd north of Redwood Ave	Low	2, add	\$5,000	Future Need		
95 Pontiac St at Apple St	Low	2, add	\$5,000	Future Need		
96 Pontiac Trl south of Arrowwood Trl	Low	1 add, 1 move	\$5,500	Future Need		
97 S Maple Rd at Pennsylvania	Low	1 add, 1 adjust	\$3,500	Future Need		
98 S Seventh St at Franklin Blvd	Low	TBD	\$10,000	Future Need		
99 S Seventh St at Potter	Low	1, add	\$2,500	Future Need		
100 Scio Church Rd at Greenview Dr	Low	1 add, 1 adjust	\$3,500	Future Need		
101 N State St at Lawrence	Low	add, 1	\$2,500	Future Need		
102 Brooks St at W Summit St	Low	1, add	\$2,500	Future Need		
103 E Hoover Ave at S Division St	Low	1 add, 1 move	\$5,500	Encumbered	Yes	
104 Earhart Rd at north intersection with Pine Brae Dr	Low	2, add	\$12,500	Future Need		
105 Glazier Way at Tremont Ln	Low	1 add (city), 1 move (DTE)	\$7,000	Future Need		
106 Pauline Blvd at Edgewood	Low	1 add, 1 long arm	\$3,500	Future Need		
107 W Madison St at Second St	Low	2, add	\$5,000	Future Need		
108 E Kingsley St at N Thayer St	Low	1, adjust	\$1,000	Future Need		
109 S Seventh St at Murray Ct	Low	1 add, 1 move	\$5,500	Future Need		
110 S Seventh St N of Jefferson	Low	1 add, 1 long arm	\$2,000	Future Need		
111 S Industrial Blvd and Rosewood St	Low	1, add	\$2,500	Future Need	Yes	
112 S Industrial Hwy at Jewett Ave	Low	2, add	\$5,000	Future Need	Yes	
113 S Seventh St at Princeton Ave	Low	1 add, 1 adjust	\$3,500	Future Need		
114 S Seventh St at W Davis St	Low	2, add	\$5,000	Future Need		

MAJOR UNCONTROLLED CROSSING LIGHTING NEEDS (4/1/20)

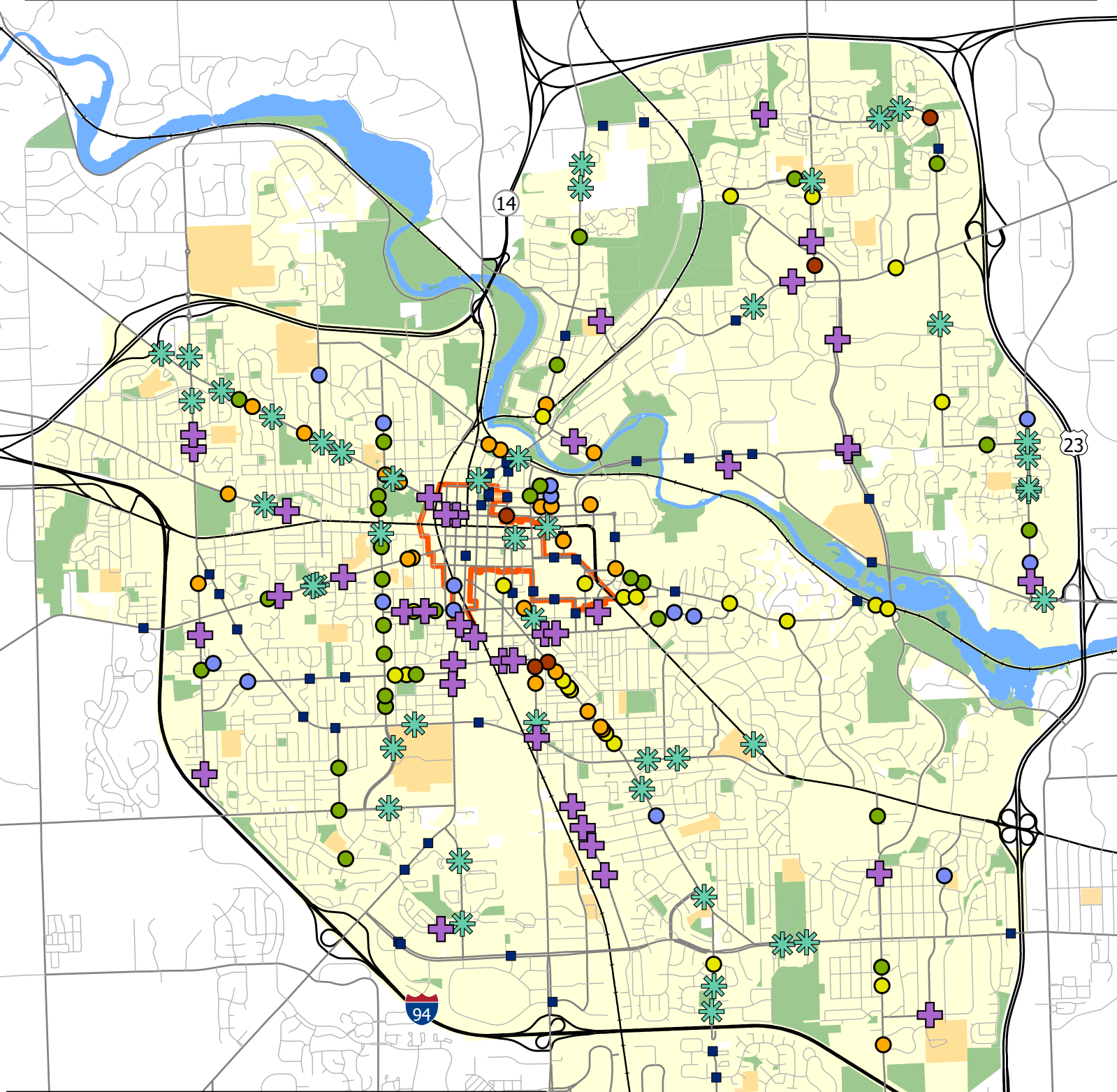
	Location	Priority Level*	Quantity_Type	ProjectedCost	Funding Category	In Progress	In DDA
115	W Liberty St west of Dartmoor Rd	Low	1 add, 1 move	\$5,500	Future Need		
116	Greenview Dr at Glen Leven	Low	2, add	\$5,000	Future Need		
117	Platt Rd At Summers Knoll school	Low	2, add	\$5,000	Future Need		
118	Scarlett - Lorraine/Fernwood	Low	1 add, 1 move	\$2,851	Future Need	Yes	
119	Traver Blvd west of Nixon Rd	Low	2, add	\$5,000	Future Need		
120	Brooks St at Pearl St	Lowest	1, add	\$2,500	Future Need		
121	Earhart Crosswalk - Glacier Hills	Lowest	2, add	\$5,000	Future Need		
122	Pauline Blvd west of W Stadium Blvd	Lowest	1 add	\$2,500	Future Need		
123	W Madison St at S Ashley St	Lowest	2, add	\$5,000	Future Need		Yes
124	Packard St at Rosewood	Lowest	2, move	\$6,000	Future Need		
125	S Ashley at Jefferson	Lowest	1, add	\$2,500	Future Need		Yes
126	S Seventh at Lutz Ave	Lowest	1, add	\$2,500	Future Need		
127	Newport Rd north of Red Oak Rd	Lowest	2, add	\$5,000	Future Need		
128	Commerce Dr and Pennsylvania Ave	Lowest	1 add, 1 move	\$5,500	Future Need		
129	Pittsfield Blvd at Richard St	Lowest	2, add	\$5,000	Future Need		
130	Huron Pkwy at Baxter	Lowest	2, add	\$0	Part of Capital Project	Yes	
131	E Kingsley St at N Ingalls	Lowest	1, add	\$1,000	Future Need		
132	Hill St and Onondaga St	Lowest	1 add, 1 add ex pole	\$3,300	Future Need		
133	N Ingalls St at Lawrence St	Lowest	1, add	\$2,500	Future Need		
134	Earhart Rd at Concordia	Lowest	2, add	\$5,000	Future Need	Yes	
135	Earhart Rd at Pine Brae Dr	Lowest	2, add	\$12,500	Future Need		
136	Hill St and Ruthven Pl	Lowest	2, add	\$5,000	Future Need		

*Color corresponds to accompanying map

Total Estimated Cost

\$578,818

Major Street Uncontrolled Crosswalk Streetlight Needs Prioritization & Progress - 2020

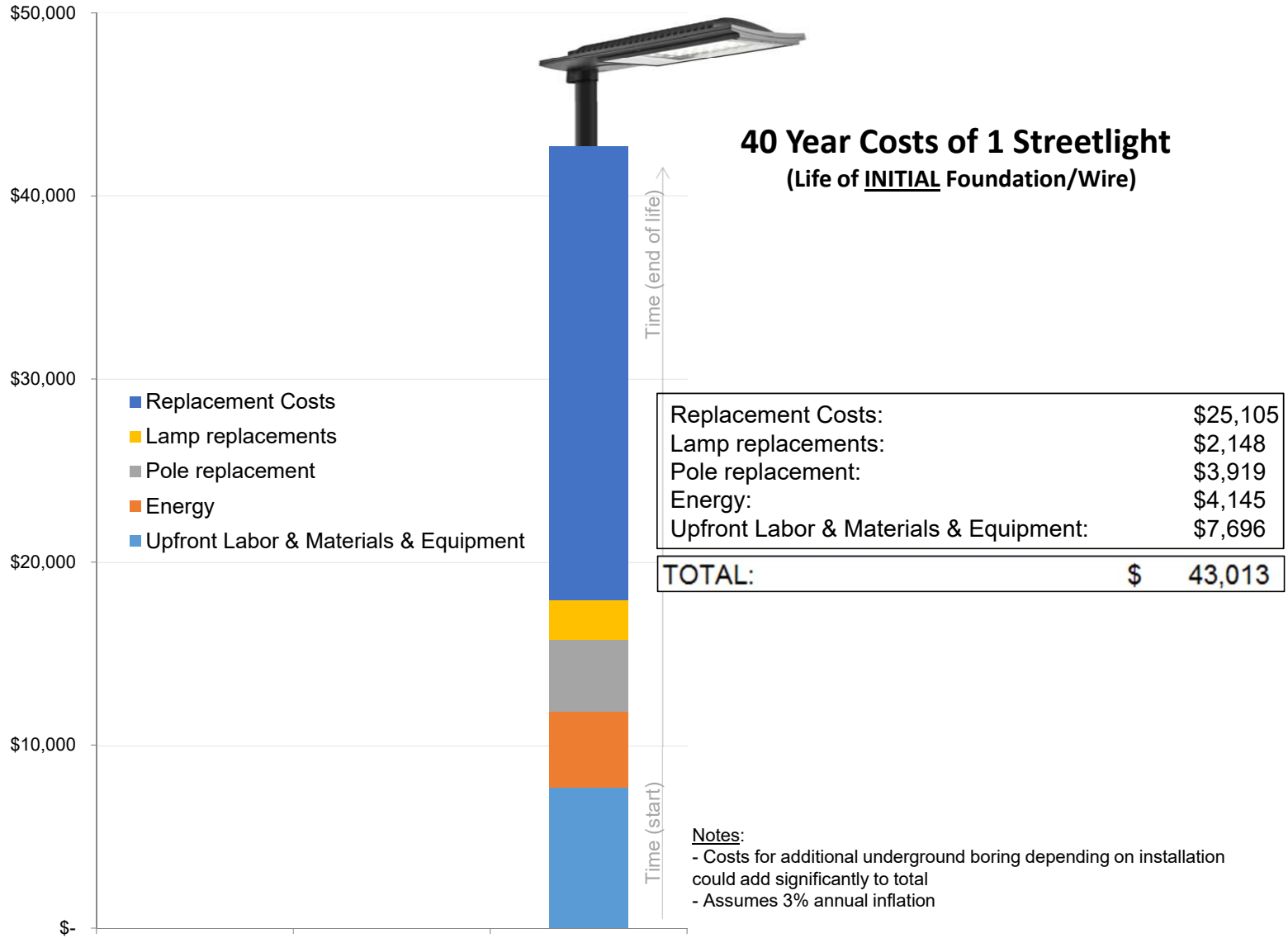


Crosswalk Lighting Needs - 2020 Priority Level -

● Highest (5)	✱ Completed 2019 - 2020 (45)
● High (24)	✚ Lighting Improvement in Progress (39)
● Mid (23)	■ Sufficiently Lit Crosswalks
● Low (30)	▭ DDA Boundary
● Lowest (15)	

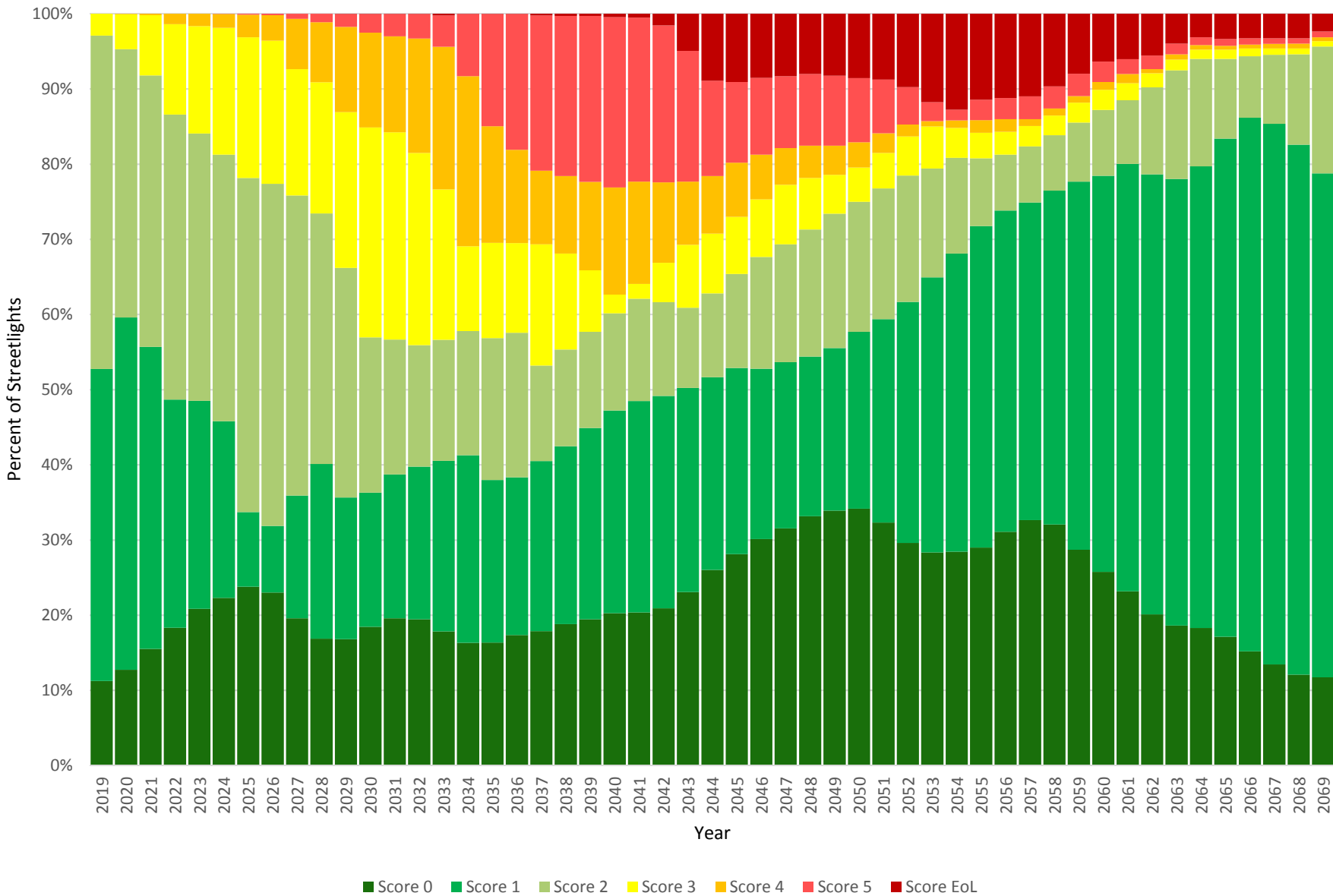


ATTACHMENT C



Streetlight Condition - FY 20 Model

System Expansion - 410 by FY21 then 30 Per Year until 2042 / Annual Capital Budget of \$530k



ATTACHMENT E

SCORING		New Streetlight Prioritization Criteria			
1	History of Crash Incidents (within last 5 years)	0 No crash history	5 Vehicle-Vehicle PDO crash within influence area	7 Vehicular B and C injury crash within influence area	10 Ped/bike crash or Vehicular K and A injury crash within influence area
2	Proximity to Transit Stops	0 Greater than ¼ mile from an AAATA or school bus stop or train station	3 Greater than ⅛ mile to ¼ mile from an AAATA or school bus stop or train station	6 300 feet to ⅛ mile from an AAATA or school bus stop or train station	10 Less than 300 feet from an AAATA or school bus stop or train station
3	City vs. DTE System Addition	2 Add to DTE system w/ City purchased LED		3 Solar Light (as currently available)	10 Part of City System
4	Proximity to Activity Generators/ Destinations	1 Greater than ½ mile from a school, library, government office, major commercial attractor, or park	3 Greater than ¼ mile to ½ mile from a school, library, government office, major commercial attractor, or park	6 ⅛ mile to ¼ mile from a school, library, government office, major commercial attractor, or park	10 Less than ⅛ mile from a school, library, government office, major commercial attractor, or park
5	Crash Potential	0 No existing facilities	5 Adjacent to intersection		10 Adjacent to existing bike lanes, enhanced cross walks, or mid-block crossings
6	Current Lighting Levels	0 Meets City-defined LOS	6 Area-wide deficiency in meeting City-defined LOS		10 Gap in meeting City-defined LOS
7	Street Classification	1 Adjacent to a local street	6 Adjacent to an Urban Collector		10 Adjacent to an Arterial Street
8	Public Requests/Desire	0 No petition	3 Single request from individual	7 Requests from multiple citizens or informal citizen group	10 Requested by neighborhood assoc/HOA, school, advocacy group