

## Infrastructure Services Division 2020 Budget Hearing Follow-up Information

Locations of street lighting upgrades planned for 2020 (650 lights).

### **2020 series conversion.**

-WK7-8 (200 units) W Townsend, N 26<sup>th</sup> St, W Fond Du Lac Ave, N 33<sup>rd</sup> St  
-SJ9-10 (150 units) S 51<sup>st</sup>, W Lincoln Ave, Jackson Park and W Manitoba St.

### **Conversion related to 2020 paving (300 units)**

N. 44th St (W. Villard Ave to W. Custer Ave)  
N. Parkway Ave (W. Glendale Ave to N. 18th St)  
N. 2nd St (W. Wisconsin Ave to W. Wells St)  
N. 78th St (W. Vienna Ave to W. Capitol Dr)  
W. Locust Ave (N. 81st St to N. 84th St)  
N. Fratney St (E. Vienna Ave to E. Capitol Dr)  
E. Vienna Ave (N. Holton St to N. Humboldt Ave)  
N. 37th St (W. Marion St to W. Congress St)  
W. Vienna Ave (N. 35th St to N. 41st St)  
S. 32nd St (W. Madison St to pt. North of W National Ave)  
W. Denver Ave (N. 76th St to N. Burbank Ave)  
W. Warnimont Ave (W. Eden Pl to S. Massachusetts Ave)  
S. 5th Pl (W Howard Ave to pt. North of W Warnimont Ave)  
W. Cleveland Ave (S. 20th St to S. 27th St)  
N. 22nd St (W. Meinecke Ave to W. Wright St)  
N. 23rd St (W. Hadley St to W. Locust St)  
N. 23rd St (W. Wright St to W. Center St)  
N. 24th St (W. Brown St to W. Garfield Ave)

Locations of alley lighting upgrades for 2019 and 2020.

### **2020 Alley Light addition**

W Silver Spring Dr, N 13<sup>th</sup> St, W Hampton Ave and N 124th St

### **2019 alley light addition/upgrade.**

2977 N. 46 St, (+1 unit)  
3707 S. Whitnall Ave. (+1 unit)  
4700 blocks of N. 28 St. (upgrade 3 units to LED )  
1961 and 1977 W. Purdue (upgrade 2 units to LED)  
alley bounded by W. Brown Deer Rd.--N. 124 St. -- W. Silver Spring Dr.--N.27 St. (scheduled to upgrade 334 units to LED, +50% completed)

In 2018, we added 217 alley lights.

In 2017, we added 1 alley light.

In 2016, we added 11 alley lights.

Provide the number of knockdown for the past several years.

Un-collectable street light knockdown.

2016, \$640,812.91

2017, \$845,554.24

2018, \$595,874.30

Type of work that we contract out.

The following are examples of some of the infrastructure work that we contract out for:

Replacement of concrete sidewalk

Replacement of concrete pedestrian ramps

Resurfacing roadways with asphalt

Reconstructing roadways with either asphalt or concrete, including sidewalks and curbs

Installing pavement markings related to paving projects

Installing street lighting and traffic control facilities related to paving projects

Bridge rehabilitation and replacement

Location of baby changing station installed.

Baby changing stations have been installed at the following locations:

- 1<sup>st</sup> Floor men's and women's restrooms at Zeidler Municipal Building
- 3<sup>rd</sup> Floor men's and women's restrooms at Anderson Lake Tower
- Main level visitor men's and women's restrooms at DPW Field Headquarters
- 1<sup>st</sup> Floor women's restroom and 3<sup>rd</sup> Floor men's restroom in City Hall

Cost savings for street light burn time in 5 minute intervals up to 45 minutes.

See attached sheet

Data on the complaints from previous times street light burn time was reduced.

Based on a reduction of 30 minutes at sunrise and sunset, there were approximate 120+ complaints within different neighborhoods of the city.

What other communities and surrounding suburbs do for street light burn times.

Of the municipalities that have responded so far, all but one use photo cell. Wauwatosa indicated they have most of their system on an astronomical clock set to turn on 20 minutes after sunset and set to turn off 20 minutes before sunrise.

Information on the use of solar power for street lighting

For solar power street lighting, based on dusk-dawn operation in Milwaukee with winter condition, 30 Watts is the maximum sustainable load for a 4500 lumens fixture. It is still far below the typical 5800 lumens fixture City uses on residential street. In addition, the current street light poles (aluminum and concrete poles) are not designed to handle additional weight and wind load for the solar panels and battery(see attached pictures). Cost of new pole, battery, panel and new concrete base (removal of old pole) would be approximately \$8,000 to \$10,000 per pole depending on size of pole.

Provide a position paper on changing the scatter site portion of the sidewalk program.

We will consider the issue of the scatter site portion of the sidewalk program as part of the 2021 program and will reach out to the council if there changes to the scatter site program are proposed.

Provide information regarding the alleys programmed in 2016, 2017, and 2018.

In 2016, there was no alley funds budgeted, resulting in the all of the 2016 alley program locations being deferred to 2017. In 2017, only a portion of the 2016 alley program was constructed due to limited funds, with the remainder to be constructed in 2018 depending on available funds. The 2018 program funds included enough to build only a portion of the remaining alleys programmed in 2016.

At this time, the remainder of 2016 alley program, as well as those programmed for 2017 and 2018, have yet to be built.

Reduce the City Hall foundation budget by \$500,000 to use for sidewalks or alleys.

The foundation budget request for 2020 is very tight, with little margin to deal with any unforeseen conditions that could occur during the construction. Reducing the budget increases the chance that work will have to be delayed to a future year, with resulting cost increases due to the extension of the construction schedule.

Provide the list of Exit Interview questions being used by the department.

Provided by DPW – Administration during their budget hearing.

Conduct a Follow-up survey with employees regarding field safety (possible an annual survey).

We will work with the DPW – Administration section on this issue.

What steps that can be taken to provide better communication and outreach on construction projects.

We continue to evaluate all construction projects to see what issues or problems occurred and look to make changes on future projects to improve their implementation. Communication and outreach on construction projects is part of this review, including the frequency of updates and additional use of social media.

Can the City require Electricians to remain in City employment for a number of years after they have gone through the City apprenticeship program?

We will need to work with the Department of Employee Relations and the City Attorney's office to determine if we are able to require an employment commitment for the electricians that go through the our apprenticeship program.

Develop a program which would allow residents to pay the full cost for their own alley to be reconstructed, possibly with assistance with contracting/design from DPW.

We will look at the feasibility of a program that would allow residents to fund the full cost of the replacement of their alley and will follow up the Finance & Personnel committee on the feasibility.

Injury data from scooter accidents.

We are collecting data from the police department.

Would our existing equipment be able to handle the installation of red light cameras if it was approved by the State?

Our new cabinets will be able to provide data to the red light running equipment and software. Older cabinets (170 controllers won't).