


To the Mayor and Members of the City Council
May 2, 2023

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SUBJECT: STREETLIGHT PROGRAM STATUS UPDATE

The purpose of this informal report is to provide an overview of all streetlights.

The Transportation & Public Works (TPW), Transportation Management Division completed the Arterial and Freeway burn rate assessment in March for the 2nd quarter of Fiscal Year 2023. Overall, we estimate the City has a 78% burn rate, 81.8% of our Arterial roadways, and 57% of our Freeway Systems are operational. Current burn rate estimate percentages have been affected by damages to City street light infrastructure and recent inclement weather.

TPW Transportation Management has the following projects pending to address the current burn rate deficiencies:

- SH 121 Repairs (\$1,152,665.42) to be completed by end of FY23.
 - Replacement of 28 foundations & streetlight poles
 - Replacement of 22,644 LF of wire
 - Replacement of 42 ground boxes (buried)
 - Repair of 190 streetlights
- Rosedale Bridge repairs (\$223,137.20) are Scheduled to begin in May of FY23
 - Replacement of 6,000 LF of wire
 - Replacement of electrical service
 - Replacement of 9 streetlight poles and fixtures
 - Installation of 1,500 LF of conduit
- 40 Arterial Electrical Service Point Upgrades. Materials have been ordered, and partial order is scheduled to be delivered on May 11, 2023, and the remainder of the order is scheduled for June 8, 2023. The staggered order deliveries align with our ability to complete the work.
 - Upgrades to include but not limited to wire, hardware, and LEDs
 - Upgrade locations based off # of SR received from FY21 & FY22

Service Location	CD	New CD	# of SR (2021- 2022)
2373 Clover Ln	7	7	17
N Beach St @ Summerfields Blvd	4	4	10
N Beach St @ Northern Cross Blvd	4	2	8
2898 Sycamore School Rd	6/8	6/8	15
2020 Sycamore School Rd	8	8	4
2521 Altamesa Blvd	6/8	6/8	10
6201 Hulen Bend Cir	6	6	9
Oakmont Blvd @ Bryant Irvin Rd	3/6	3	8


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Service Location	CD	New CD	# of SR (2021- 2022)
Bryant Irvin Rd @ Altomonte Dr	3/6	6	6
4937 Bryant Irvin Rd	3/6	3/6	17
White Settlement Rd @ Legacy Dr	3	7	10
Chapel Creek Blvd @ Amber Ridge Dr	3	7	11
Jacksboro Hwy @ Capri Dr	2	2	12
Jacksboro Hwy @ Belle Ave	2	2	19
Jacksboro Hwy @ Rockwood Park Dr. North	2	2	16
N Main St @ NE 5th St	2	2	11
N Main St @ NW 32nd St	2	2	13
N Main St @ NW 29th St	2	2	28
E Northside Dr @ N Commerce St	2	2	13
E Berry St @ Burnice Dr	5	5/11	9
E Berry St @ S. Hughes Ave	5	5/11	8
E Berry St @ Noe St	5	11	9
Campbell St @ Tarrant Rd	5	11	5
E Berry St @ Bishop St	5	11	3
E Berry St @ Thrall St	8	8	19
E Berry St @ Canberra Ct	8	8	15
E Berry St @ Glen Garden Dr	8	8	10
E Berry St @ Mississippi Ave	8	8	8
McCart Ave @ Galemeadow Dr	6	6	4
McCart Ave @ Sycamore School Rd	6	6	27
6600 McCart Ave	6	6/9	18
McCart Ave - Durringer Rd	6	6/9	35
McCart Ave - Walton Ave	6	6/9	15
McCart Ave -Wellview Dr	9	9	3
McCart Ave @ W Boyce Ave	9	9	12
Bridge St @ Dairy Ln	4	5	9
Bridge St @ Blue Lake Dr	4	5	16
Bridge St @ Country Club Ln	4	5	29
4800 Brentwood Stair Rd	4	11	21

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Burn Rate estimates are calculated by taking the number of known outages tracked via Service Requests (SRs) and visual inspections. This number is divided by the total amount of streetlights for either arterials or highways and multiplied by 100. The burn rate will only be 100% accurate once we have the technology to monitor each individual light in the city.

Currently, Transportation Management records the burn rate estimate quarterly after technicians have completed the nighttime investigation to verify any outages not reported via SR. The SRs are included to estimate an approximate outage number to produce the final percentages.

TPW Transportation Management anticipates an overall burn rate estimate to be above the 85% goal after completing the projects identified in this IR. Transportation Management will work closely with TxDOT representatives to evaluate and recommend highway lighting improvements and maintenance.

If you have any questions or concerns, please contact Assistant Director Martin Phillips at 817-392-7861 or martin.phillips@fortworthtexas.gov

David Cooke
City Manager