

# Capital Area Metropolitan Planning Organization

## 2019-2022 Project Call

Transit Project Application



## Sponsor Information

### Sponsor Information

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**Sponsor:** City of Round Rock  
**Address:** 221 E. Main Street  
**City:** Round Rock  
**State:** Texas  
**Zip Code:** 78664  
**Phone:** 512-671-2869  
**Website:** <https://www.roundrocktexas.gov/departments/transportation/public-transportation/>

### Contact Information

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**Name:** Caren Lee  
**Position:** Transit Coordinator  
**Address:** 300 W. Bagdad Ave  
**City:** Round Rock  
**State:** Texas  
**Zip Code:** 78664  
**Phone:** 512-671-2869  
**Email:** [clee@roundrocktexas.gov](mailto:clee@roundrocktexas.gov)

### Co-Sponsor

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Does this project have a co-sponsor?

No

# Project Information

## General Information

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**County:** Williamson County

**Municipality:** Round Rock

**Project Name:** Bus stop lighting

**Limits (From):**

**Limits (To):**

## Purpose and Need

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The City of Round Rock completed a 10-year Transit Master Plan in late 2015. The City launched its first fixed route bus system on August 21, 2017, the first phase of the plan. The first phase of the system includes a total of 74 bus stops with varied field conditions and proximity to lighting. The addition of solar lighting at stops that are not near street lights will have a direct affect on rider's perception of safety and security and their ability to clearly and quickly identify route information. The more secure a rider feels the more they will use transit. Adding lighting may also attract new riders. In addition, safety and security are high priorities for riders, the Federal Transit Administration, and the City.

## Project Scope

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The City intends to issue an Invitation for Bids for a vendor to provide 74 solar bus stop lighting systems. Although each stop will not require additional lighting, purchasing 74 systems will provide replacements in case of damage. The package must include lighting that is mountable on a pole, produces high enough lumen output to provide sufficient lighting for the bus stop area, offers lighting control options, and offers a long life battery. The City will be requesting a three month testing period before selecting the vendor to ensure the product chosen is the right one. Once the systems are received, the City will have existing staff install them at the bus stops.

## Project Cost

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**Preliminary Engineering:**

**Right-of-Way:**

**Construction:** \$80,000.00

**Construction Engineering:**

**Indirect:**

**Contingencies:**

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**Total Project Cost:** \$80,000.00

## Funding Request

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**Fiscal Year**        2019

**Phase:**             Construction

**Funding Amount:**    \$80,000.00

# Project Location



# Project Development and Readiness

Please respond to each readiness question below. If you answer 'yes' to any of the questions below you will be provided a text box in which to respond. Please elaborate on your answer and provide supporting documentation in the attachments for verification.

## Preliminary Engineering and Design

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Has the project undergone preliminary engineering and design?

Yes

The City has identified vendors that provide specific systems for bus stop solar lighting. The solar light system is an all-in-one unit. The City thoroughly investigated this type of system to ensure its practicality. The system will easily install on existing infrastructure at the bus stops. Installing on existing infrastructure will save time and reduces the cost of the project. An example has been attached to this application.

## Public Involvement

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Has this project undergone public involvement?

Yes

The project has been generated by unsolicited public comments and transit industry standards. During the development of the Transit Master Plan, extensive public outreach was conducted. Staff attended several open houses, multiple homeowners association meetings, conducted surveys and attended special group meetings. Specific outreach for this project was not conducted, as it is not required.

## Right-of-Way Acquisition

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Does this project require the acquisition of right-of-way?

No

## Utility Relocation

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Does this project require utility relocation?

No

## Environmental Compliance

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Has this project undergone the environmental process?

No

## Financial Requirements

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Has funding been identified and secured for the local match requirements?

Yes

The City will provide the local match from the Transportation Department budget.

## Coordination and Agreements

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**Does this project have the support and concurrence of all stakeholders involved?**

Yes

The Transportation Director and City management is in support of the project. In addition, the service is operated by Capital Metro and is supported by them. Their support letter is attached.

## Additional Information

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**Is there additional information regarding project development and readiness?**

Yes

If this project is selected, an invitation for bids and specifications for the lights will be prepared by City staff.

## Planning Factors

Please respond to each performance measure question below. If you answer 'yes' to any of the questions below you will be provided a text box in which to respond. Please elaborate on your answer and provide supporting documentation in the attachments for verification.

### Planning

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**Has the project undergone a comprehensive planning process?**

Yes

**Has the project been identified as a priority in a local or regional transportation plan?**

Yes

The Transit Master Plan is a 10-year plan identifying this initial phase of routes and future expansions. Although the plan does not specifically call for lighting at the bus stops, providing lighting enhances the rider experience by improving the riders sense of safety and security and improving nighttime visibility of route information. In addition, lighting has the potential to attract more riders by making the system feel safer and easier to use. The Transit Master Plan has been approved by City Council and they identified the transit project as a top priority in 2017.

### Interagency Coordination

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**Has this project been coordinated with other roadway agencies and connecting transit services?**

Yes

The City has an Interlocal Agreement with Capital Metro to provide the transit service for Round Rock. Capital Metro is in support of this transit improvement, as indicated in their support letter. Capital Metro is currently working on their own bus stop solar light project for their routes in Austin. The City's project, in conjunction with Capital Metro's, will increase overall system consistency with our regional partner.

### Connections

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**Does the project provide connections to other transit services or transportation modes?**

No

### Intelligent Transportation System

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**Does the project include an ITS component and enhance the system through technology?**

No

### Safety

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**Does the project enhance transit vehicle safety?**

No

**Does the project include safety and security measures providing safe connections and facilities?**

Yes

Safety perception is a key factor in some people's decision of whether to use public transit. Providing light at each of the stops will provide a greater sense of safety and security. The lighting will also provide pedestrians lighting on the adjoining sidewalks. In addition, the added light will assist drivers in seeing people at the stops and help identify where pedestrians may be crossing the road.



## Service

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Does this project fill a service gap, expand coverage or increase route frequency?

No

## Innovation

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Does this project demonstrate innovative design, technology or service?

Yes

Solar lighting for bus stops in an environmentally friendly solution to improve visibility of route information and provide riders with a sense of safety and security.

## Land Use

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Does this project integrate existing or planned transit-supportive land use and infrastructure?

Yes

Each bus stop is equipped with a pole, which currently has the stop information attached to it. The identified solar light system is installable on the existing pole.

## Economic Development

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Does the project support local, regional, or state economic development plans and strategies?

Yes

The proposed solar lighting will enhance rider access to route information and enhance the rider sense of safety at the bus stops, which in turn has the potential to attract more riders. The more people use the transit system, the greater the potential for them to spend money at Round Rock's establishments.

## Ridership

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Does the project have documentation showing anticipated ridership and potential growth?

No

## State of Good Repair

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Does the project meet the FTA life expectancy, preventative or existing maintenance schedules?

Yes

The estimated life expectancy of the LEDs is 22 years. The maintenance schedule to be followed will ensure the lights remain in good working order.

Does the project address maintenance to maintain FTA State of Good Repair requirements?

Yes

The City's Traffic Signal and Signs group will maintain the lights. This division maintains other applications of solar lighting within the City. This project will be incorporated into their maintenance schedule to ensure the lights remain in good working order. The solar light systems will be added to the City's Transit Asset Maintenance program and monitored for their condition and replaced when needed.

## Social Impact

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Does the project serve traditionally under-served populations?

Yes

Under-served populations have a high propensity for transit use and the addition of the lighting will help to improve their transit experience.

## Funding

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Is this project's local cost share overmatched?

No

## Planning Factors Score

Performance Measure	Value
Has the project been identified as a priority in a local or regional transportation plan?	10
Has this project been coordinated with other roadway agencies and connecting transit services?	5
Does the project provide connections to other transit services or transportation modes?	0
Does the project include an ITS component and enhance the system through technology?	0
Does the project enhance transit vehicle safety?	0
Does the project include safety and security measures providing safe connections and facilities?	5
Does this project fill a service gap, expand coverage or increase route frequency?	0
Does this project demonstrate innovative design, technology or service?	5
Does this project integrate existing or planned transit-supportive land use and infrastructure?	5
Does the project support local, regional, or state economic development plans and strategies?	5
Does the project have documentation showing anticipated ridership and potential growth?	0
Does the project meet the FTA life expectancy, preventative or existing maintenance schedules?	5
Does the project address maintenance to maintain FTA State of Good Repair requirements?	5
Does the project serve traditionally under-served populations?	5
Is this project's local cost share overmatched?	0
<b>Planning Factor Score:*</b>	<b>50</b>

\*The planning factor score above is subject to change following evaluation of the responses and verification of the required supporting materials.

# Certification

## Sponsor Certification

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By signing below, you certify that this application has been prepared by the sponsoring agency and in compliance with all applicable laws, regulations and procedures. You can attest to the document's quality, accuracy, and completeness, and that all required supporting material has been compiled and included in the attachments.

**Caren Lee** Digitally signed by Caren Lee  
Date: 2018.01.18 08:01:08  
-06'00'

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**Sponsor Signature**

## **Appendix A:**

# Readiness and Development Supporting Material

## BK10 SOLAR BUS STOP LIGHTING SYSTEM



### AVAILABLE OPTIONS

**\* Bus Stop Lamp:**

- Single Lamp
- Double Lamp (+\$100.00)

**\* Solar Panel Power:**

- 10 Watt

- 14 Watt (+\$30.00)
- 20 Watt (+\$50.00)
- 45 Watt (+\$100.00)

**\* Battery Options:**

- 18Ah 12V AGM
- 32Ah 12V AGM (+\$60.00)

### DESCRIPTION

Our exclusive solar bus stop lighting system is perfect for existing bus stop sign posts and transit flag poles that do not have electricity or for retro-fit applications. Complete lighting system with choice of lamp, solar panel, and battery options. Prices from \$799.99.

This kit is available with one or two lamps per system. Each lamp produces up to 300 lumens. The system is supplied complete with the light fixtures, two 12 Volt rechargeable batteries, a metal lockable pole mount battery enclosure, an MPPT charge controller, and a choice of solar panel along with pole mounting hardware. For installations in locations that experience harsh winter weather, or low sun levels, a higher powered solar panel may be required depending on operation requirements. Please consult with our engineers for specific solar power recommendations. The comprehensive light control system allows for extensive configuration. Lighting activation is controlled by the charge controller and solar panel. The charge controller can be

programmed to illuminate from dusk to dawn, turn off after a certain amount of hours, or it can use a dual timer option. The dual timer allows the light to activate at dusk and illuminate for X hours, switch off, and then turn back on for X hours prior to sunrise. The solar panel and light fixtures are supplied with several feet of cable, so they can be mounted away from the battery box if needed. The entire system is designed to be easily installed and uses quick connections. Color of product is gray. Color of other parts of the system is gray. Color of light output is white.

## POPULAR USES

Can be used on bus stop sign posts, transit flag poles, in any type of shelter, such as bus shelters, cabins, sheds, storage areas, gazebos, pavilions, kiosks, summer houses, garages, arbors, yurts, or any other similar application.

## TECHNICAL SPECIFICATIONS

### Performance

Illumination period can be designed subject to project requirements.

Nightly illumination time is subject to quantity of lamps per system, solar panel selection, and battery capacity selection for a given location.

Please consult with our engineers for specific component recommendations.

Manufactured in an ISO9001:2008 'Quality Assured' facility.

### Light Fixture

Configured with multiple LED module strips.

Luminaire power consumption is about 3 Watt per fixture.

Light output is up to 300 lumens per fixture.

All LEDs are white at approx. 5500 to 6000k color temperature. Warm white, cool white and amber (Sea Turtle Lighting) color temperatures are available by special order only and at extra cost.

LED life is typically up to 100,000 hours or equal to about 22 years.

These enclosures meet IEC Standards, and are IP66 rated.

Dimensions are 24cm x 12cm x 11cm (9.5" x 4.75" x 4.5") LxWxD.

Each light is supplied with a pole mounting clamp.

### Battery

System supplied standard with one 12 Volt battery.

Standard battery capacity options available: 9AH AGM, 18AH AGM, or 32AH AGM. Higher capacity batteries available by special order.

Please consult our engineers for specific battery capacity requirements per your system configuration and performance requirements.

Classified as Non-spillable (defined by DOT, ICAO and IATA), NonHAZMAT, and valve regulate.

Conforms to ISO9001, ISO/TS 16949, and ISO14001 standards.

Typical battery life is approximately 2 to 3 years, subject to environmental factors.

### Battery Enclosure

Galvanized steel lockable battery enclosure will accommodate the rechargeable batteries and charge controller (padlock not included.)

Designed to conform to NEMA 3R and IP22 rating standards for Outdoor Enclosures. Offering protection against rain, snow, and sleet. Meets the requirements of UL 508 "Rainproof enclosures".

The battery enclosure can be pole mounted with optional pole mounted or surface mounted, depending installation preference. The battery box has pre-drilled holes to enable secure installation to a horizontal surface.

Battery Enclosures: galvanized/painted steel (Standard); aluminum (Special Order), or stainless steel (Special Order).

The battery box is approx. 12" x 10" x 6" (30cm x 25cm x 15cm) LxWxD.

### **Solar Panel**

Range of solar panel power available from 10W to 45W. More powerful panels available by special order.

Please consult with our engineers for specific solar power recommendations. The solar panel power requirements are subject to LED consumption, installation location, and preferred illumination period.

The solar panels supplied are highly efficient monocrystalline or polycrystalline solar panels with aluminum frame, anti-aging, and encapsulated membrane.

Anti-reflective and anti-soiling surface that reduces power losses from dirt and dust.

Certified to withstand high wind loads (340PSI) and snow loads (780PSI); and resistance to high salt and ammonia.

Manufactured to international standards, verified and certified by independent testing laboratories. (UL, ETL, IEC, MCS, and TUV)

Assembled to strict quality control standards; international standards ISO 9001 and ISO 14001.

Typical solar panel life is over 30 years, subject to environmental factors.

Approx. 18' (5m) of pre-wired connection cable is supplied.

### **Control Module**

Supplied with a MPPT charge controller which automatically controls the solar panel power, battery charging and lighting function and operation.

Ultra-fast Maximum Power Point Tracking (MPPT).

The MPPT controller will improve energy harvest by up to 30% compared to PWM charge controllers. Especially in the case of cold cloudy winter weather, when light intensity is changing continuously.

This controller features the very latest smart technology.

Offers full programmability of load output: dusk to dawn and multi-timed mode.

Provides extended battery life and extra protection against excessive battery discharge and overcharge.

Intelligent battery management software is used to protect the battery from being excessively discharged. The controller will monitor the state of charge on the battery, and if needed, day by day slightly increase the load disconnect level (i. e. disconnect the load earlier) until the harvested solar energy is sufficient to recharge the battery to nearly the full 100% at least once a week.

Allowing for the longest life possible from the batteries.

Pre-programmed software for load output, dusk to dawn lighting, single timed lighting, dual timed lighting, dimming option and the ability of interfacing with motion detection, where required.

This MPPT charge controller is programmed by Solar Illuminations as per your requirements and system ability.

Lighting control features illumination from dusk to dawn (where applicable), or on at dusk for X amount of hours then off, or on at dusk for X amount of hours, then off, then back on again for X amount of hours before dawn.

Supports real time data monitoring, 30 day performance history, and user programmability from Apple or Android smartphones, tablets, etc. Use of this feature requires the optional MPPT Bluetooth Dongle.

Peak efficiency is 98%.

Multi stage adaptive charge algorithm.

Automatic temperature compensation.

Protection feature includes battery reverse polarity (fuse), output short circuit and over temperature.

Operating temperature is -22 deg. F (-30 deg. C) to 140 deg. F (+60 deg. C).

Humidity up to 95%, non condensing.

Protection rating IP22 (connection terminal area).

Dimensions are approx. 4" x 4" x 1.5" (10cm x 10cm x 4cm).

Please note: Upon installation and power-up the controller goes into a 7 day evaluation mode where smart monitoring and



configurations commence. Additional evaluation with self-managing adjustments may continue for up to 7 more days. This is all part of the smart feature that enables this intelligent controller to understand its use, the application, the surrounding environment and the current conditions. During this time some of its programmed features may differ temporarily. This is a perfectly normal process and must be accepted during that time. During this time the controller will adjust to the current condition and charge status of the batteries. It is therefore recommended that all batteries are 100% fully charged before connection using an appropriate battery charger. This may significantly reduce the evaluation mode time of 7+7 days to much less. The fully charged batteries should be connected to the MPPT charge controller first, followed by the solar panel(s).

### Installation

Easy to install. All connections are simple and quick.

Mounting frames are included to allow the solar panel to attach to a vertical or horizontal surface.

Easy to install into almost any type of shelter, canopy, or car port.

### REMARKS

20 year solar panel warranty, 5 year warranty on all other components (excluding batteries). Batteries are covered by the manufacturer.\* Warranty registration is required (after purchase), otherwise a base one year warranty will apply. Go to [www.solarilluminations.com/registration](http://www.solarilluminations.com/registration) to register your warranty.

Lifetime unlimited technical support.

Please Note: This product is a special order and is non-returnable except in the event of a fault (during its warranty period) when the product, once returned will be repaired or replaced.

The solar panel must be installed in a location where it can receive full direct sunshine (when available) and usually set facing South at an appropriate angle (where adjustment options allow). The solar panel must not be installed in a shaded or part shaded location and never indoors. The standard specifications of the system (particularly the solar panel Wattage and battery capacity) may need to be adjusted. These components are determined by your geographic location, power consumption (LED Wattage) and the total amount of hours of illumination time required. Such changes to the standard specifications may increase or decrease the cost shown. Please contact us for more information or assistance. The illumination time is estimated and subject to various factors including (but not limited to) geographic location, seasons, temperature, weather conditions & location of product etc. The illumination time of most solar lights can reduce during winter months when the weather is poor and the days are shorter. During this time insolation hours decrease accordingly. Shorter illumination time due to one or more of the above factors does not define the product as being 'defective' or 'not as described'. All solar lights must be used in a completely dark location at night time otherwise they may not illuminate. Nearby strong lighting sources or ambient lighting may affect the operation of a solar light. This does not define the product as being 'defective' or 'not as described'. Please note, if you do not install or use this product for several months the battery may discharge naturally on its own. By allowing a battery to deep discharge it may cause irreversible damage as the battery may then lose the ability to recharge or hold a full charge. Although unlikely, we reserve the right to supply this product with any minor alterations or minor changes to the specifications (shown above by text description or by photographs) due to different supplies or product batches received, incorporating such product changes made by the manufacturer, without further notice. Descriptions, specifications and photographs are updated regularly but may not be current when minor changes to a product have only recently been made.

\* View our Terms, Conditions and Policies (including our Returns Policy) for further information.

## SPECIFICATION

### SOLAR LIGHTS DATA

Price	From \$799.99.
Lumen Output	Up to 300 lumens per lamp.
Equivalent Incandescent Wattage	Approx. 25 Watts.
Approximate Illumination Time	Nightly illumination time is subject to lamp power selection, quantity of lamps per system, solar panel selection, and battery capacity selection for a given location. Fully configurable between 1 and 16 hours. Dusk to dawn operation available.
Approximate Illumination Area	Up to 10' x 10' (3m x 3m) per lamp.
Solar Panel Wattage	Solar panel power available from 10W to 45W. More powerful panels available by special order.
Programable Controller	This MPPT charge controller is programmed by Solar Illuminations as per your requirements and system ability.

## **Appendix B:**

### **Planning Factors Supporting Material**

## BUS STOPS

All stops should be fully accessible with a concrete landing and access to a sidewalk or pathway. ADA accessibility standards require that each bus stop include a landing pad with a minimum width of 60 inches and minimum depth of 96 inches. Bus stops should also connect to adjacent sidewalks or pedestrian paths. Many transit systems go beyond ADA minimums and provide a landing pad for the rear door of the bus. The addition of landing pads, connecting sidewalks, and amenities such as seating and shelter enhance the customer experience.

### Stop Spacing

The optimal spacing between bus stops involves a balance of customer convenience and operating efficiency. Closely spaced stops reduce the distance to/from customer origins and destinations but result in slower bus speeds as each additional stop with activity requires the bus to decelerate, come to a complete stop, load and unload riders, and then accelerate back into traffic. Stops spaced farther apart result in faster, more reliable service but can significantly increase walking distance. Since most riders want service that balances convenience and speed, the number and location of stops is a key component of determining that balance.

In general, areas with high population and employment density should have shorter stop spacing than areas with moderate or low densities. Figure 80 provides stop spacing guidelines based on population and employment density characteristics. Actual stop spacing will vary based on built environment characteristics.

**Figure 80 Bus Stop Spacing Guidelines**

Density Classification	Population / Employment Density	Spacing Dimensions
High Density	15+ persons or jobs per acre	Approximately every 800-1,200 feet
Moderate Density	5-15 persons or jobs per acre	Approximately every 1,200-2,000 feet
Low Density	0-5 persons or jobs per acre	As needed

### Stop Placement

Bus stop placement involves a balance of customer safety, accessibility, and operations. The placement of each bus stop can be classified as one of the following:














- Near-side—immediately prior to an intersection
- Far-side—immediately after an intersection
- Mid-block—between two intersections

Bus stops are generally located at street intersections to maximize pedestrian accessibility from both sides of the street. Far-side stops are typically ideal at signalized intersections and along high-volume arterial streets. Near-side stops are typically preferable along low-volume streets such as neighborhood streets to reduce the possibility of stopping twice at an intersection (stop sign and bus stop).

Bus turning movements, driveways, and dedicated turn lanes sometimes restrict the placement of stops at or near an intersection and necessitate a mid-block stop. Mid-block stops may also be considered when destinations are a significant distance from intersections. Mid-block stops may be the only option at major intersections with dedicated turn lanes. Additional factors to consider

when determining the placement of a bus stop include lighting, slope, adjacent land use, and constraints such as trees, poles, fire hydrants, etc. Key advantages and disadvantages of each bus stop placement option are described in Figure 81.

**Figure 81 Bus Stop Placement Considerations**

	Advantages	Disadvantages
<b>Near-side stops</b>	 Shortest distance from bus door to a crosswalk, which encourages riders to use crosswalks	 Most exposure to traffic delays. May require more than one traffic cycle  Increases conflict with right-turning vehicles  May block travel lane with queuing buses  May obscure motorists' view of traffic control devices and crossing pedestrians
<b>Mid-block stops</b>	 Typically improves access to destinations on large tracts  Minimizes motorist and pedestrian line of sight concerns	 May require bus pullout on high-speed streets  Encourages riders to cross street mid-block
<b>Far-side stops</b>	 Encourages riders to use nearby crosswalks  Allows bus operators to use intersection as a deceleration lane  Allows additional right-turning capacity before intersection	 May restrict travel lanes on far-side of intersection

**Round Rock Transit Plan – Final Report**  
City of Round Rock

Recommended bus stop locations are provided for routes proposed for 2017 implementation. Bus stop requirements are listed in Figure 82.

**Figure 82 Bus Stop Requirements**

Route	Total Stops	Round Rock TC	Howard Station	Tech Ridge P&R	Downtown Austin	New Stops
Round Rock – Howard Station	59	1	1	0	0	57
Round Rock Circulator	26	1	0	0	0	25
Round Rock – Austin Express	21	1	0	0	18	2
Round Rock – Tech Ridge	24	1	0	1	18	4
<b>Total</b>	<b>130</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>88</b>

**Bus Stop Signage**

Well-designed bus stop signage has the opportunity to provide useful customer information while simultaneously marketing transit service. Route signage should be limited to one design to minimize inventory and materials costs.

Bus stop signage should include the following:

- Round Rock Transit logo
- Unique panels or stickers with route number/name/endpoint
- Unique stop identification number, which can be used to access schedule information
- Round Rock Transit website address and customer service phone line
- ADA-accessible symbol

The unit cost of bus stop poles and signage is approximately \$250 per stop. Therefore, the cost of purchasing poles and signage for initial bus stops in Round Rock is \$25,000. An example of modern bus stop designs is shown in Figure 83.

Figure 83 Sample Bus Stop Designs



Sources: King County Metro, Regional Transit Service (Rochester)

## Bus Stop Amenities

Bus stops amenities enhance customer experience by increasing comfort and perceived safety while reducing perceived waiting times. **Bus stop amenities also influence the community’s image** perception of transit service. The provision of amenities is typically based on ridership. A guideline for bus stop amenities is included in Figure 84.

**Figure 84 Bus Stop Amenity Guidelines**

Amenity	Description
Pole and sign	Installed at stops with fewer than 5 average daily boardings
Pole, sign, and seating	Installed at stops with 10-20 average daily boardings.
Pole, sign, seating, and shelter	Installed at stops with 20 or more average daily boardings.

Circumstances that might preclude installation of shelters or seating at a particular stop meeting specific thresholds are:

- Amenities would compromise pedestrian or operational safety
- Adequate right-of-way is not available
- Regulations enforced by City, County, State, or Federal government
- Installation costs are excessive
- Plans are in place to relocate or close the stops

The approximate cost of bus shelters with seating and trash receptacles is \$10,000 per stop. Stops that are most likely to generate 20 or more average daily boardings within the first year of service are listed in Figure 85.

**Figure 85 Priority Bus Stop Locations for Shelters**

Origin or Destination Served	Location
ACC Round Rock	Campus main entrance
H-E-B plus!	Plateau Vista Boulevard & A.W. Grimes Boulevard (midblock)
Bluebonnet Trails (2 stops)	Georgetown Street & Palm Valley Boulevard (midblock)
Round Rock Public Library (2 stops)	Main Street & Sheppard Street
St. David’s Medical Center	Park Valley Drive & Wyoming Springs Drive
Walmart Supercenter	Louis Henna Boulevard & I-35



## **Appendix C:**

### **Cost/Benefit Analysis Supporting Material**



**Mayor**  
Craig Morgan

**Councilmembers**  
Tammy Young  
Rene Flores  
Frank Leffingwell  
Writ Baese  
Hilda Montgomery

**City Manager**  
Laurie Hadley

**Mayor Pro-Tem**  
Will Peckham

**City Attorney**  
Stephan L. Sheets

January 12, 2018

Mr. Ashby Johnson  
CAMPO Executive Director  
3300 N. Interstate 35, Ste. 630  
Austin, Texas 78705

RE: City of Round Rock Grant Application  
Funding Availability

Dear Mr. Johnson:

The City of Round Rock is submitting a grant application for solar lighting at our local bus stops. The total requested amount is \$80,000, with a local match of \$16,000. The funds for the local match are in the approved Fiscal Year 2017 Transportation Department budget, adopted by City Council on September 14, 2017.

As the Assistant City Manager, I approve the use of \$16,000 dollars, from the Transportation Department, for this project. Attached for your reference is the adopted budget and the signed ordinance adopting the budget.

If for some reason, the funds are not expended in Fiscal Year 2017, this approval will extend to the Fiscal Year 2018 budget.

Respectfully,

A handwritten signature in blue ink that reads "Brooks Bennett". The signature is stylized and cursive.

Brooks Bennett  
Assistant City Manager

**ORDINANCE NO. O-2017-4698**

**AN ORDINANCE APPROVING AND ADOPTING A BUDGET FOR THE CITY OF ROUND ROCK, TEXAS, FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 2017, AND ENDING SEPTEMBER 30, 2018, DIRECTING THE CITY CLERK TO FILE A TRUE COPY OF THE BUDGET WITH THE COUNTY CLERKS OF WILLIAMSON AND TRAVIS COUNTIES, TEXAS.**

**WHEREAS**, the City Manager of the City of Round Rock, Texas, has heretofore submitted, in accordance with the state law and the City's Charter, a budget for said City, for the fiscal year beginning October 1, 2017, and ending September 30, 2018; and

**WHEREAS**, proper and timely notice that a public hearing on such budget would be held on August 24, 2017 was given and made in accordance with the law and within the time limits set forth by law; and

**WHEREAS**, such public hearing was held in accordance with law on August 24, 2017, prior to final adoption of this ordinance; Now Therefore

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROUND ROCK, TEXAS, THAT:**

The budget submitted by the City Manager for the fiscal year beginning October 1, 2017 and ending September 30, 2018, as summarized in Exhibit "A" attached hereto, is hereby in all things approved and adopted and it shall be effective as of October 1, 2017.

In accordance with §102.008(a)(1), Local Government Code, the Director of Finance is directed to file with the City Clerk a true copy of the final budget as adopted by the City Council, and the City Clerk is directed to certify as a true copy said budget and file it with this ordinance in the official records of the City.

In accordance with §102.008(a)(2)(A), Local Government Code, the City Clerk is directed to ensure that a copy of the budget, including the cover page, is posted on the City's website.


In accordance with §102.008(a)(2)(B), Local Government Code, the City Clerk is directed to ensure that the record vote described by §102.007 (d)(2), Local Government Code is posted on the City's website at least until the first anniversary of the date this ordinance is adopted.

In accordance with §102.009(d), Local Government Code, the City Clerk is directed to file a certified copy of this ordinance along with a true copy of the budget with the County Clerk of Williamson County and the County Clerk of Travis County.

The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Ordinance was adopted was posted and that such meeting was open to the public as required by law at all times during which this Ordinance and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

**READ** and **APPROVED** on first reading this the 24<sup>th</sup> day of August, 2017.

**READ, APPROVED** and **ADOPTED** on second reading this the 14<sup>th</sup> day of SEPTEMBER, 2017.

  
\_\_\_\_\_  
CRAIG MORGAN, Mayor  
City of Round Rock, Texas

ATTEST:

  
\_\_\_\_\_  
SARA L. WHITE, City Clerk

FOR 2018 99

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<u>2751 Transportation Personnel</u>							
<u>10027000 Transportation Administration</u>							
<a href="#">10027000 5110 Salaries</a>	138,611	138,611	39,682.42	.00	.00	98,928.58	28.6%
<a href="#">10027000 5132 Auto Allowance</a>	5,400	5,400	1,350.00	.00	.00	4,050.00	25.0%
<a href="#">10027000 5140 Longevity</a>	7,358	7,358	7,402.50	.00	.00	-44.50	100.6%
<a href="#">10027000 5163 FICA</a>	10,412	10,412	2,210.77	.00	.00	8,201.23	21.2%
<a href="#">10027000 5165 Insurance</a>	12,701	12,701	3,147.28	.00	.00	9,553.72	24.8%
<a href="#">10027000 5167 Texas Municipal Reti</a>	23,979	23,979	7,592.84	.00	.00	16,386.16	31.7%
<a href="#">10027000 5171 Workers Compensation</a>	236	236	154.08	.00	.00	81.92	65.3%
<a href="#">10027000 5172 Texas Workforce Comm</a>	9	9	.43	.00	.00	8.57	4.8%
TOTAL Transportation Administrati	198,706	198,706	61,540.32	.00	.00	137,165.68	31.0%
<u>10027001 Transit-Public Transportation</u>							
<a href="#">10027001 5110 Salaries</a>	49,400	49,400	14,040.00	.00	.00	35,360.00	28.4%
<a href="#">10027001 5163 FICA</a>	3,494	3,494	988.48	.00	.00	2,505.52	28.3%
<a href="#">10027001 5165 Insurance</a>	11,523	11,523	2,946.50	.00	.00	8,576.50	25.6%
<a href="#">10027001 5167 Texas Municipal Reti</a>	7,818	7,818	2,200.84	.00	.00	5,617.16	28.2%
<a href="#">10027001 5171 Workers Compensation</a>	76	76	55.28	.00	.00	20.72	72.7%
<a href="#">10027001 5172 Texas Workforce Comm</a>	9	9	.14	.00	.00	8.86	1.6%
TOTAL Transit-Public Transportati	72,320	72,320	20,231.24	.00	.00	52,088.76	28.0%
<u>10027002 Transportation Plan-Engineer</u>							
<a href="#">10027002 5110 Salaries</a>	297,399	297,399	58,072.06	.00	.00	239,326.94	19.5%
<a href="#">10027002 5119 Overtime Pay</a>	849	849	.00	.00	.00	849.00	.0%
<a href="#">10027002 5140 Longevity</a>	2,611	2,611	1,185.00	.00	.00	1,426.00	45.4%
<a href="#">10027002 5163 FICA</a>	21,892	21,892	4,366.33	.00	.00	17,525.67	19.9%
<a href="#">10027002 5165 Insurance</a>	46,915	46,915	9,320.68	.00	.00	37,594.32	19.9%
<a href="#">10027002 5167 Texas Municipal Reti</a>	47,514	47,514	9,313.03	.00	.00	38,200.97	19.6%
<a href="#">10027002 5171 Workers Compensation</a>	4,464	4,464	2,712.12	.00	.00	1,751.88	60.8%
<a href="#">10027002 5172 Texas Workforce Comm</a>	37	37	.61	.00	.00	36.39	1.6%
TOTAL Transportation Plan-Enginee	421,681	421,681	84,969.83	.00	.00	336,711.17	20.2%

FOR 2018 99

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<u>10027003 Transp-CIP Infrastructure Insp</u>							
<a href="#">10027003 5110 Salaries</a>	161,637	161,637	40,711.60	.00	.00	120,925.40	25.2%
<a href="#">10027003 5119 Overtime Pay</a>	4,275	4,275	762.03	.00	.00	3,512.97	17.8%
<a href="#">10027003 5140 Longevity</a>	2,574	2,574	2,602.50	.00	.00	-28.50	101.1%
<a href="#">10027003 5163 FICA</a>	11,652	11,652	3,117.05	.00	.00	8,534.95	26.8%
<a href="#">10027003 5165 Insurance</a>	23,424	23,424	5,862.00	.00	.00	17,562.00	25.0%
<a href="#">10027003 5167 Texas Municipal Reti</a>	25,989	25,989	6,909.24	.00	.00	19,079.76	26.6%
<a href="#">10027003 5171 Workers Compensation</a>	3,493	3,493	2,279.18	.00	.00	1,213.82	65.2%
<a href="#">10027003 5172 Texas Workforce Comm</a>	26	26	.49	.00	.00	25.51	1.9%
TOTAL Transp-CIP Infrastructure I	233,070	233,070	62,244.09	.00	.00	170,825.91	26.7%
<u>10027004 Transp-CIP Project Management</u>							
<a href="#">10027004 5110 Salaries</a>	397,967	397,967	100,061.05	.00	.00	297,905.95	25.1%
<a href="#">10027004 5119 Overtime Pay</a>	541	541	.00	.00	.00	541.00	.0%
<a href="#">10027004 5140 Longevity</a>	7,502	7,502	9,015.00	.00	.00	-1,513.00	120.2%
<a href="#">10027004 5163 FICA</a>	29,802	29,802	8,018.17	.00	.00	21,783.83	26.9%
<a href="#">10027004 5165 Insurance</a>	58,241	58,241	14,543.24	.00	.00	43,697.76	25.0%
<a href="#">10027004 5167 Texas Municipal Reti</a>	64,190	64,190	17,098.45	.00	.00	47,091.55	26.6%
<a href="#">10027004 5171 Workers Compensation</a>	9,204	9,204	5,700.83	.00	.00	3,503.17	61.9%
<a href="#">10027004 5172 Texas Workforce Comm</a>	51	51	1.04	.00	.00	49.96	2.0%
TOTAL Transp-CIP Project Manageme	567,498	567,498	154,437.78	.00	.00	413,060.22	27.2%
<u>10027006 Traffic Signals &amp; Signs</u>							
<a href="#">10027006 5110 Salaries</a>	460,574	460,574	93,670.57	.00	.00	366,903.43	20.3%
<a href="#">10027006 5118 Standby Pay</a>	5,280	5,280	2,050.00	.00	.00	3,230.00	38.8%
<a href="#">10027006 5119 Overtime Pay</a>	36,594	36,594	5,270.24	.00	.00	31,323.76	14.4%
<a href="#">10027006 5140 Longevity</a>	8,006	8,006	6,840.00	.00	.00	1,166.00	85.4%
<a href="#">10027006 5163 FICA</a>	33,797	33,797	7,763.58	.00	.00	26,033.42	23.0%
<a href="#">10027006 5165 Insurance</a>	116,616	116,616	24,269.16	.00	.00	92,346.84	20.8%
<a href="#">10027006 5167 Texas Municipal Reti</a>	74,167	74,167	16,903.09	.00	.00	57,263.91	22.8%
<a href="#">10027006 5171 Workers Compensation</a>	17,963	17,963	10,015.46	.00	.00	7,947.54	55.8%
<a href="#">10027006 5172 Texas Workforce Comm</a>	80	80	1.08	.00	.00	78.92	1.4%
TOTAL Traffic Signals & Signs	753,077	753,077	166,783.18	.00	.00	586,293.82	22.1%

FOR 2018 99

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<hr/>							
10027007 Street Maintenance							
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<a href="#">10027007 5110 Salaries</a>	1,069,817	1,069,817	208,813.54	.00	.00	861,003.48	19.5%
<a href="#">10027007 5114 Seasonal Hire</a>	0	0	7,065.63	.00	.00	-7,065.63	100.0%
<a href="#">10027007 5118 Standby Pay</a>	9,900	9,900	1,420.00	.00	.00	8,480.00	14.3%
<a href="#">10027007 5119 Overtime Pay</a>	26,099	26,099	6,498.07	.00	.00	19,600.93	24.9%
<a href="#">10027007 5140 Longevity</a>	23,332	23,332	19,942.50	.00	.00	3,389.50	85.5%
<a href="#">10027007 5163 FICA</a>	78,133	78,133	17,462.57	.00	.00	60,670.43	22.3%
<a href="#">10027007 5165 Insurance</a>	301,614	301,614	54,123.70	.00	.00	247,490.30	17.9%
<a href="#">10027007 5167 Texas Municipal Reti</a>	172,979	172,979	36,180.09	.00	.00	136,798.91	20.9%
<a href="#">10027007 5171 Workers Compensation</a>	36,089	36,089	20,198.86	.00	.00	15,890.14	56.0%
<a href="#">10027007 5172 Texas Workforce Comm</a>	168	168	2.26	.00	.00	165.74	1.3%
TOTAL Street Maintenance	1,718,131	1,718,131	371,707.22	.00	.00	1,346,423.80	21.6%
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10027008 Drainage Operations							
<hr/>							
<a href="#">10027008 5110 Salaries</a>	0	0	1,208.00	.00	.00	-1,208.00	100.0%
<a href="#">10027008 5118 Standby Pay</a>	0	0	150.00	.00	.00	-150.00	100.0%
<a href="#">10027008 5119 Overtime Pay</a>	0	0	264.24	.00	.00	-264.24	100.0%
<a href="#">10027008 5140 Longevity</a>	270	270	277.50	.00	.00	-7.50	102.8%
<a href="#">10027008 5163 FICA</a>	0	0	129.94	.00	.00	-129.94	100.0%
<a href="#">10027008 5165 Insurance</a>	0	0	509.19	.00	.00	-509.19	100.0%
<a href="#">10027008 5167 Texas Municipal Reti</a>	0	0	297.88	.00	.00	-297.88	100.0%
<a href="#">10027008 5171 Workers Compensation</a>	0	0	87.09	.00	.00	-87.09	100.0%
<a href="#">10027008 5172 Texas Workforce Comm</a>	0	0	.01	.00	.00	-.01	100.0%
TOTAL Drainage Operations	270	270	2,923.85	.00	.00	-2,653.85	1082.9%
TOTAL Transportation Personnel	3,964,753	3,964,753	924,837.51	.00	.00	3,039,915.51	23.3%
TOTAL EXPENSES	3,964,753	3,964,753	924,837.51	.00	.00	3,039,915.51	
<hr/>							
2752 Transportation Operating							
<hr/>							
10027000 Transportation Administration							
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<a href="#">10027000 5201 Maintenance Agreemen</a>	753	753	.00	.00	.00	753.00	.0%

**FOR 2018 99**

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<u>10027000 5209 Telephone - Wireless</u>	36,000	36,000	8,742.48	.00	.00	27,257.52	24.3%
<u>10027000 5214 Power &amp; Light</u>	21,200	21,200	4,223.27	.00	.00	16,976.73	19.9%
<u>10027000 5216 Professional Service</u>	10,000	10,000	1,647.50	.00	.00	8,352.50	16.5%
<u>10027000 5230 Cable Services</u>	1,000	1,000	242.70	.00	.00	757.30	24.3%
<u>10027000 5235 Lease Contract</u>	7,050	7,050	.00	.00	.00	7,050.00	.0%
<u>10027000 5277 Bank Service Fees</u>	0	0	19.52	.00	.00	-19.52	100.0%
<u>10027000 5283 Contract Labor</u>	7,000	7,000	.00	.00	.00	7,000.00	.0%
<u>10027000 5286 Janitorial Services</u>	7,950	7,950	662.50	.00	7,287.50	.00	100.0%
<u>10027000 5305 Office Furniture</u>	9,400	9,400	.00	.00	.00	9,400.00	.0%
<u>10027000 5307 Vending &amp; Food Servi</u>	6,521	6,521	478.67	.00	.00	6,042.33	7.3%
<u>10027000 5316 Supplies - Office</u>	30,000	30,000	20,781.87	.00	.00	9,218.13	69.3%
<u>10027000 5318 Postage</u>	350	350	2.30	.00	.00	347.70	.7%
<u>10027000 5334 Uniforms</u>	1,400	1,400	.00	.00	.00	1,400.00	.0%
<u>10027000 5369 Technology - Softwar</u>	0	0	311.40	.00	.00	-311.40	100.0%
<u>10027000 5414 Subscriptions &amp; Publ</u>	500	500	.00	.00	.00	500.00	.0%
<u>10027000 5421 Licenses Certificati</u>	1,400	1,400	396.00	.00	.00	1,004.00	28.3%
<u>10027000 5434 Training &amp; Education</u>	2,000	2,000	748.94	.00	.00	1,251.06	37.4%
<u>10027000 5436 Travel Expenditures</u>	6,000	6,000	4,432.90	.00	.00	1,567.10	73.9%
<u>10027000 5451 Safety Program</u>	600	600	.00	.00	.00	600.00	.0%
<b>TOTAL Transportation Administrati</b>	<b>149,124</b>	<b>149,124</b>	<b>42,690.05</b>	<b>.00</b>	<b>7,287.50</b>	<b>99,146.45</b>	<b>33.5%</b>
<b>10027001 Transit-Public Transportation</b>							
<u>10027001 5212 Legal Notices</u>	500	500	.00	.00	.00	500.00	.0%
<u>10027001 5214 Power &amp; Light</u>	7,800	7,800	1,256.07	.00	.00	6,543.93	16.1%
<u>10027001 5216 Professional Service</u>	10,000	10,000	13,988.45	.00	8,062.50	-12,050.95	220.5%
<u>10027001 5217 Building Security</u>	360	360	.00	.00	360.00	.00	100.0%
<u>10027001 5318 Postage</u>	100	100	41.91	.00	.00	58.09	41.9%
<u>10027001 5324 R &amp; M - Building</u>	12,915	12,915	2,261.76	.00	1,883.08	8,770.16	32.1%
<u>10027001 5421 Licenses Certificati</u>	250	250	250.00	.00	.00	.00	100.0%
<u>10027001 5434 Training &amp; Education</u>	2,000	2,000	300.00	.00	.00	1,700.00	15.0%
<u>10027001 5436 Travel Expenditures</u>	6,000	6,000	1,253.34	.00	.00	4,746.66	20.9%
<u>10027001 5470 Grant</u>	1,720,253	1,720,253	172,027.64	.00	.00	1,548,225.36	10.0%
<b>TOTAL Transit-Public Transportati</b>	<b>1,760,178</b>	<b>1,760,178</b>	<b>191,379.17</b>	<b>.00</b>	<b>10,305.58</b>	<b>1,558,493.25</b>	<b>11.5%</b>
<b>10027002 Transportation Plan-Engineer</b>							
<u>10027002 5210 Printing &amp; Binding</u>	1,000	1,000	.00	.00	.00	1,000.00	.0%



## FOR 2018 99

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<a href="#">10027002 5307 Vending &amp; Food Servi</a>	0	0	240.64	.00	.00	-240.64	100.0%
<a href="#">10027002 5314 Fuel &amp; Lubricants</a>	680	680	20.62	.00	.00	659.38	3.0%
<a href="#">10027002 5318 Postage</a>	150	150	.00	.00	.00	150.00	.0%
<a href="#">10027002 5330 R &amp; M Motor Vehicles</a>	0	0	8,738.66	.00	.00	-8,738.66	100.0%
<a href="#">10027002 5421 Licenses Certificati</a>	2,500	2,500	.00	.00	.00	2,500.00	.0%
<a href="#">10027002 5434 Training &amp; Education</a>	4,000	4,000	-425.00	.00	.00	4,425.00	-10.6%
<a href="#">10027002 5436 Travel Expenditures</a>	6,000	6,000	.00	.00	.00	6,000.00	.0%
TOTAL Transportation Plan-Enginee	14,330	14,330	8,574.92	.00	.00	5,755.08	59.8%
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10027003 Transp-CIP Infrastructure Insp							
<a href="#">10027003 5235 Lease Contract</a>	2,650	2,650	.00	.00	.00	2,650.00	.0%
<a href="#">10027003 5314 Fuel &amp; Lubricants</a>	9,486	9,486	1,920.99	.00	.00	7,565.01	20.3%
<a href="#">10027003 5334 Uniforms</a>	1,760	1,760	.00	.00	.00	1,760.00	.0%
<a href="#">10027003 5336 Equipment - Tools</a>	2,000	2,000	.00	.00	.00	2,000.00	.0%
<a href="#">10027003 5359 Safety Shoes &amp; Boots</a>	850	850	.00	.00	.00	850.00	.0%
<a href="#">10027003 5421 Licenses Certificati</a>	700	700	.00	.00	.00	700.00	.0%
<a href="#">10027003 5434 Training &amp; Education</a>	5,000	5,000	.00	.00	.00	5,000.00	.0%
<a href="#">10027003 5436 Travel Expenditures</a>	6,000	6,000	236.00	.00	.00	5,764.00	3.9%
TOTAL Transp-CIP Infrastructure I	28,446	28,446	2,156.99	.00	.00	26,289.01	7.6%
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10027004 Transp-CIP Project Management							
<a href="#">10027004 5210 Printing &amp; Binding</a>	1,000	1,000	.00	.00	.00	1,000.00	.0%
<a href="#">10027004 5314 Fuel &amp; Lubricants</a>	2,477	2,477	423.45	.00	.00	2,053.55	17.1%
<a href="#">10027004 5318 Postage</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027004 5336 Equipment - Tools</a>	1,000	1,000	.00	.00	.00	1,000.00	.0%
<a href="#">10027004 5421 Licenses Certificati</a>	700	700	.00	.00	.00	700.00	.0%
<a href="#">10027004 5434 Training &amp; Education</a>	2,000	2,000	.00	.00	.00	2,000.00	.0%
<a href="#">10027004 5436 Travel Expenditures</a>	4,000	4,000	.00	.00	.00	4,000.00	.0%
TOTAL Transp-CIP Project Manageme	11,677	11,677	423.45	.00	.00	11,253.55	3.6%
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10027006 Traffic Signals & Signs							
<a href="#">10027006 5210 Printing &amp; Binding</a>	600	600	.00	.00	.00	600.00	.0%

FOR 2018 99

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<a href="#">10027006 5212 Legal Notices</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027006 5213 Equipment Rental</a>	1,000	1,000	.00	.00	.00	1,000.00	.0%
<a href="#">10027006 5214 Power &amp; Light</a>	15,000	15,000	3,286.93	.00	.00	11,713.07	21.9%
<a href="#">10027006 5216 Professional Service</a>	255,000	255,000	7,500.00	.00	.00	247,500.00	2.9%
<a href="#">10027006 5224 Wellness Program Exp</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027006 5228 Striping Contract</a>	258,000	258,000	.00	.00	258,000.00	.00	100.0%
<a href="#">10027006 5230 Cable Services</a>	750	750	237.20	.00	.00	512.80	31.6%
<a href="#">10027006 5235 Lease Contract</a>	3,700	3,700	.00	.00	.00	3,700.00	.0%
<a href="#">10027006 5240 Maintenance Contract</a>	20,000	20,000	.00	.00	.00	20,000.00	.0%
<a href="#">10027006 5272 Street Lighting</a>	1,037,000	1,037,000	240,929.33	.00	.00	796,070.67	23.2%
<a href="#">10027006 5276 Traffic Signal Elect</a>	72,800	72,800	12,971.49	.00	.00	59,828.51	17.8%
<a href="#">10027006 5278 Traffic Signal Light</a>	28,000	28,000	.00	.00	.00	28,000.00	.0%
<a href="#">10027006 5283 Contract Labor</a>	28,000	28,000	12,050.00	.00	57,038.00	-41,088.00	246.7%
<a href="#">10027006 5312 Chemicals</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027006 5314 Fuel &amp; Lubricants</a>	21,364	21,364	2,464.76	.00	.00	18,899.24	11.5%
<a href="#">10027006 5316 Supplies - Office</a>	14,500	14,500	4,910.56	.00	.00	9,589.44	33.9%
<a href="#">10027006 5334 Uniforms</a>	1,955	1,955	1,117.32	.00	.00	837.68	57.2%
<a href="#">10027006 5336 Equipment - Tools</a>	2,750	2,750	.00	.00	.00	2,750.00	.0%
<a href="#">10027006 5356 Traffic Signs &amp; Stre</a>	107,500	107,500	4,902.12	.00	2,998.35	99,599.53	7.3%
<a href="#">10027006 5357 R &amp; M Traffic Signal</a>	190,085	190,085	2,182.84	.00	21,059.26	166,842.90	12.2%
<a href="#">10027006 5358 Barricades</a>	10,000	10,000	627.90	.00	.00	9,372.10	6.3%
<a href="#">10027006 5359 Safety Shoes &amp; Boots</a>	1,000	1,000	.00	.00	.00	1,000.00	.0%
<a href="#">10027006 5414 Subscriptions &amp; Publ</a>	750	750	.00	.00	.00	750.00	.0%
<a href="#">10027006 5421 Licenses Certificati</a>	1,000	1,000	80.00	.00	.00	920.00	8.0%
<a href="#">10027006 5434 Training &amp; Education</a>	10,800	10,800	1,965.00	.00	1,250.00	7,585.00	29.8%
<a href="#">10027006 5436 Travel Expenditures</a>	4,200	4,200	1,108.53	.00	.00	3,091.47	26.4%
<a href="#">10027006 5451 Safety Program</a>	500	500	.00	.00	.00	500.00	.0%
TOTAL Traffic Signals & Signs	2,087,754	2,087,754	296,333.98	.00	340,345.61	1,451,074.41	30.5%
<hr/>							
10027007 Street Maintenance							
<a href="#">10027007 5210 Printing &amp; Binding</a>	1,200	1,200	.00	.00	.00	1,200.00	.0%
<a href="#">10027007 5212 Legal Notices</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027007 5213 Equipment Rental</a>	4,000	4,000	.00	.00	.00	4,000.00	.0%
<a href="#">10027007 5216 Professional Service</a>	409,000	409,000	127,054.57	.00	407,775.67	-125,830.24	130.8%
<a href="#">10027007 5224 Wellness Program Exp</a>	500	500	.00	.00	.00	500.00	.0%
<a href="#">10027007 5235 Lease Contract</a>	4,150	4,150	.00	.00	.00	4,150.00	.0%
<a href="#">10027007 5246 Maintenance Contract</a>	7,700	7,700	4,734.24	.00	.00	2,965.76	61.5%
<a href="#">10027007 5283 Contract Labor</a>	29,400	29,400	11,978.00	.00	2,747.52	14,674.48	50.1%
<a href="#">10027007 5286 Janitorial Services</a>	3,270	3,270	272.50	.00	2,997.50	.00	100.0%
<a href="#">10027007 5287 Refuse &amp; Waste Dispo</a>	75,000	75,000	1,257.90	.00	53,703.70	20,038.40	73.3%

**FOR 2018 99**

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
<a href="#">10027007 5294 ROW Maintenance</a>	140,000	140,000	.00	.00	88,000.00	52,000.00	62.9%
<a href="#">10027007 5310 Street Maintenance M</a>	180,000	180,000	26,072.81	.00	24,949.50	128,977.69	28.3%
<a href="#">10027007 5312 Chemicals</a>	500	500	864.66	.00	.00	-364.66	172.9%
<a href="#">10027007 5314 Fuel &amp; Lubricants</a>	34,388	34,388	8,391.32	.00	.00	25,996.68	24.4%
<a href="#">10027007 5316 Supplies - Office</a>	32,000	32,000	8,088.60	.00	.00	23,911.40	25.3%
<a href="#">10027007 5328 R &amp; M Equipment</a>	0	0	2,418.71	.00	.00	-2,418.71	100.0%
<a href="#">10027007 5330 R &amp; M Motor Vehicles</a>	125,000	125,000	3,090.28	.00	.00	121,909.72	2.5%
<a href="#">10027007 5334 Uniforms</a>	6,750	6,750	2,463.85	.00	.00	4,286.15	36.5%
<a href="#">10027007 5336 Equipment - Tools</a>	12,850	12,850	1,822.76	.00	.00	11,027.24	14.2%
<a href="#">10027007 5358 Barricades</a>	3,000	3,000	.00	.00	.00	3,000.00	.0%
<a href="#">10027007 5359 Safety Shoes &amp; Boots</a>	2,365	2,365	.00	.00	.00	2,365.00	.0%
<a href="#">10027007 5361 Supplies - Concrete</a>	101,500	101,500	19,229.83	.00	25,906.00	56,364.17	44.5%
<a href="#">10027007 5414 Subscriptions &amp; Publ</a>	750	750	.00	.00	.00	750.00	.0%
<a href="#">10027007 5421 Licenses Certificati</a>	4,362	4,362	172.00	.00	.00	4,190.00	3.9%
<a href="#">10027007 5434 Training &amp; Education</a>	17,810	17,810	595.00	.00	.00	17,215.00	3.3%
<a href="#">10027007 5436 Travel Expenditures</a>	6,000	6,000	1,470.02	.00	.00	4,529.98	24.5%
<a href="#">10027007 5451 Safety Program</a>	500	500	.00	.00	.00	500.00	.0%
TOTAL Street Maintenance	1,202,495	1,202,495	219,977.05	.00	606,079.89	376,438.06	68.7%
TOTAL Transportation Operating	5,254,004	5,254,004	761,535.61	.00	964,018.58	3,528,449.81	32.8%
TOTAL EXPENSES	5,254,004	5,254,004	761,535.61	.00	964,018.58	3,528,449.81	
<hr/>							
2761 Transportation Capital							
<hr/>							
10027006 Traffic Signals & Signs							
<hr/>							
<a href="#">10027006 6117 Traffic Signals</a>	186,000	186,000	.00	.00	38,191.66	147,808.34	20.5%
TOTAL Traffic Signals & Signs	186,000	186,000	.00	.00	38,191.66	147,808.34	20.5%
TOTAL Transportation Capital	186,000	186,000	.00	.00	38,191.66	147,808.34	20.5%
TOTAL EXPENSES	186,000	186,000	.00	.00	38,191.66	147,808.34	
GRAND TOTAL	9,404,757	9,404,757	1,686,373.12	.00	1,002,210.24	6,716,173.66	28.6%

\*\* END OF REPORT - Generated by Cheri Bolin \*\*

## **Appendix D:**

### **Additional Supporting Materials**



Capital Metropolitan Transportation Authority  
2910 East Fifth Street | Austin, Texas 78702  
TEL 512.389.7400 | FAX 512.369.6596 | capmetro.org

Ashby Johnson  
Executive Director  
Capital Area Metropolitan Planning Organization  
3300 N. Interstate 35, Suite 630  
Austin, Texas 78705

Dear Mr. Johnson:

Please accept this letter of support for the Round Rock application for Solar Lighting at Bus Stops for the CAMPO 2019-2022 Project Call.

In 2017, Capital Metro entered into an interlocal agreement with the City of Round Rock to provide service on four routes. These routes provide service within the City of Round Rock and also connect to Capital Metro services. Residents in Round Rock and residents inside the Capital Metro service area have benefited from the implementation of these routes.

Capital Metro strongly supports implementation of new amenities on the Round Rock routes. Amenities like solar lighting improve customer safety and the customer experience on transit, which ultimately leads to more riders. Furthermore, Capital Metro has a commitment to providing amenities that are sustainable and efficient. The solar lights for Round Rock bus stops meet both of these criteria. Recently, Capital Metro evaluated several options and proposals for bus shelter and stop lighting, and have initiated a pilot implementation program. Like the City of Round Rock, Capital Metro views solar lighting for transit amenities to be both an economically and environmentally sustainable option to enhance safety and customer comfort. Capital Metro will be happy to share our experiences and data, for a successful implementation of this project.

Thank you for consideration of Round Rock's application. Installation of solar lights at bus stops will improve the safety of all our riders.

Sincerely,

Robert Borowski  
Sustainability Officer  
2910 East 5<sup>th</sup> Street  
Austin, Texas 78705  
512.369.6589  
robert.borowski@capmetro.org