



**CITY OF GLENDALE, CALIFORNIA
REPORT TO THE CITY COUNCIL**

AGENDA ITEM

Report: Specifications for the Installation of a Citywide Battery Backup System Project

- 1) Resolution adopting the Specifications for Installation of a Citywide Battery Backup System Project, Specification No. 3921; and directing the City Clerk to Advertise for Bids

COUNCIL ACTION

Item Type: Consent Calendar

Approved for April 19, 2022 **calendar**

EXECUTIVE SUMMARY

Specifications have been completed for the installation of a citywide Battery Backup System (“BBS”). Staff respectfully requests the City Council adopt the project specifications and authorize advertising for bids.

COUNCIL PRIORITIES

Infrastructure & Mobility: Installation of a BBS throughout the City will minimize the effect of brownouts, surges, and electrical outages for traffic signals which maintain operation, mobility and increase safety for all road users.

RECOMMENDATION

Approve the resolution adopting the Specifications for the BBS Project, and direct the City Clerk to Advertise for Bids.

BACKGROUND

Traffic Signals are designed to assign right-of-way to conflicting movements and ensure an orderly traffic flow, provide opportunity for pedestrians to cross an intersection, and reduce the number of conflicts between motorists entering intersections from various directions. Therefore, maintaining traffic signal operation during power outages is essential for safety of all roadway users, including motorists, pedestrians, and cyclists.

A BBS ensures that the traffic signal cabinet is powered continuously by providing backup power to traffic equipment and controllers if utility power is lost. It allows the traffic signals to run without disrupting the operation in case of outage incidents.

The purpose of this project is to equip traffic signal cabinets with new and state-of-the-art BBS technology to ensure public safety for all road users during utility power loss to maintain intersection operations. All BBS installations will be designed based on the latest California Department of Transportation standards.

Project Locations:

Existing traffic signals will be upgraded with BBS systems at sixty-five signalized intersections throughout the City (See Exhibit 1).

Project Scope of Work:

Installation of a BBS and Side-mount Cabinets (including cabinet foundation).

ANALYSIS

To ensure competitive bids, the City will advertise the project on multiple plan holders' web sites who publish requests for proposals for projects and distribute the information to their extensive network of consultant, contractor, and construction industry contacts.

The project will also be advertised in a local newspaper, the Glendale Independent, prior to bid opening, as well as on eBidBoard, which is a web enabled data service to the public sector, for the dissemination of the building and construction project proposals to their large number of member contractors and consultants.

Finally, the project bidding documents will also be posted on the City's website.

The construction of this project is anticipated to begin in August 2022 and is scheduled for completion by January 2023.

Project Description:	Installation of a Battery Backup System (BBS) for up to sixty-five intersections throughout the City
Plans/Specs Adopted:	April 19, 2022
Advertisement Method:	Bid America, The Blue Book, Construction Bid Board, Construct Connect, Direct Connection, PlanIT Reprographics, Dodge Data & Analytics, eBidBoard, Glendale Independent Newspaper, City's website
Specs to be Issued:	April 19, 2022 – May 11, 2022
Bids to be Opened:	May 11, 2022
Company Name and Bid Amount:	TBD
Recommended Contractor(s)	TBD
New / Existing Contractor(s):	TBD
Procurement Method (Bid / SS):	Bid
Contract Term:	1 year

Construction Phase Begins:	August 2022
Construction Phase Ends:	January 2023

The engineer’s estimate for the construction of this project is between \$700,000 and \$800,000.

Funding for this project has been budgeted from the Measure R Sub-Regional Fund (2550) and Capital Improvement Fund (4010).

STAKEHOLDERS/OUTREACH

The traffic signal modification benefits to the community will include the following:

- Maintain traffic flow during utility power loss; and
- Enhance safety for all roadway users including motorists, pedestrians, and cyclists during power incidents such as brownouts, surges, and electrical outages for traffic signals.

The Public Works Department reached out to METRO to obtain Measure R funding to fund the project design and construction. Measure R is a half-cent sales tax for Los Angeles County that finances new transportation projects and programs. In November 2008, Measure R was approved by two-thirds majority, committing a projected \$40 billion to traffic relief and transportation upgrades throughout the County over its 30-year life span. The City’s share of Measure R funds for Highway Operational Improvements is approximately \$98.5 million dollars.

The installation of a citywide BBS is partially included (up to 35 intersections in downtown Glendale) in Los Angeles County Metro Board’s approved project list in the amount of \$2,500,000 as part of the Downtown Glendale Signal Synchronization Project. Staff has executed a Funding Agreement (FA) with METRO for this project under FA Number 9200000000MR310.62.

Furthermore, outreach on this project continues to occur through a dedicated website for the project. The website page introduces the public to the project and to the project team, explains the scope of work and project locations, highlights the project phase, and provides the public with Staff contact information for questions, discussion and/or input.

FISCAL IMPACT

There is no fiscal impact associated with this report.

ENVIRONMENTAL REVIEW

The project is categorically exempt from environmental review because of CEQA Guidelines §§ 15301.

CAMPAIGN DISCLOSURE

Not Applicable

ALTERNATIVES

- Alternative 1: Adopt Specifications for the installation of a citywide BBS, and direct the City Clerk to advertise for bids.
- Alternative 2: Do not authorize the issuance of Specifications for the installation of a citywide BBS. This will not allow installation of BBS citywide and will not allow traffic signals to continue to operate during power outages, resulting in an increased public safety risk.
- Alternative 3: The City Council may consider any other alternative not proposed by staff.

ADMINISTRATIVE ACTION

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Approved by:

Roubik R. Golanian, P.E., City Manager

EXHIBITS/ATTACHMENTS

Exhibit 1: Project Location Map