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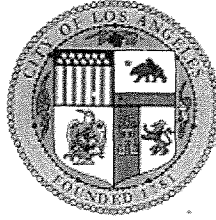
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November 30, 2018

BPW-2018-0999

City Council  
Room No. 395  
City Hall


**PUBLIC WORKS TRUST FUND LOAN AMENDMENT – STREET LIGHTING PROJECTS**

As recommended in the accompanying amended report of the Director of the Bureau of Street Lighting, which this Board has adopted, the Board of Public Works recommends that the City Council:

1. Amend the attached August 9, 2017 Board of Public Works Report that requested five loans from the Public Works Trust Fund to the Street Lighting Maintenance Assessment Fund. This Board report is requesting to amend the project titles of the five loans.

**FISCAL IMPACT**

There is no impact to the General Fund.

Sincerely,  


DR. FERNANDO CAMPOS,  
Executive Officer, Board of Public Works

FC:jc

ATTACHMENT 4



DEPARTMENT OF PUBLIC WORKS  
BUREAU OF STREET LIGHTING

REPORT NO. 1

NOV 30 2018

C.D. Various

Honorable Board of Public Works  
of the City of Los Angeles

AS AMENDED\*\* PW-2018-09989

ADOPTED BY THE BOARD  
PUBLIC WORKS OF THE CITY  
of Los Angeles California

AND REFERRED TO THE CITY COUNCIL  
NOV 30 2018

  
Executive Officer  
Board of Public Works

AMEND THE AUGUST 9, 2017 BPW REPORT TO REQUEST LOANS TO BUREAU OF STREET LIGHTING (BSL) FROM THE PUBLIC WORKS TRUST FUND TO BE REIMBURSED FROM GRANTS

RECOMMENDATIONS:

1. Amend the attached August 9, 2017 Board of Public Works Report that requested five loans from the Public Works Trust Fund (PWTF) to the Street Lighting Maintenance Assessment Fund. This board reports is requesting to amend the project titles of the five loans. Forward this amended report to the Los Angeles City Council requesting to:
  - 1.2 Authorize five loans from the Public Works Trust Fund (Fund 834) totaling \$6,875,000, payable to the Street Maintenance Assessment Fund (Fund 347), to fund the design and construction of street lighting projects to be repaid as federal grant proceeds are received from California Department of Transportation (Caltrans) and LAMTA on a cost reimbursement basis. The individual loan amounts requested are estimates and are subject to change based on the final bid amounts. Nevertheless, the overall cost of the five loans shall not exceed \$6,875,000 through this Board Report.
  - 1.3 Authorize that grant reimbursements from the State and LAMTA be deposited into the Street Lighting Maintenance Assessment Fund and subsequently transferred back to the Public Works Trust Fund no later than one week after the deposit has been made.

ATTACHMENTS:

1. November 4, 2016, Board of Public Works Report No. 1 from BSL.
2. August 9, 2017, Board of Public Works Report No. 1 from BSL

DISCUSSION

The BSL identified five projects that are included in the 2017 FTIP (Federal Transportation Improvement Program) and qualify for federal reimbursement of construction costs under the Surface Transportation Program. The attached November 4, 2016 BPW Report and subsequent August 9, 2017 BPW Report approved funding from the PWTF to front fund the construction of these projects to be repaid as federal grant proceeds are received from Caltrans and the LAMTA on a cost reimbursement basis.

The Bureau would like to amend the list of projects to reflect the deletion of Lower Grand Tunnel Lighting that has since received SB1 funding and replace it with Main Street Lighting Improvement Unit 1. This project is also included in the FTIP and is qualified to receive federal reimbursements of construction costs under the Surface Transportation Program. This report will also remove the cost allocations per project since they are estimates and the Bureau will request loans as they are awarded, not to exceed \$6,875,000.

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BUREAU OF STREET LIGHTING

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The modified loans from the PWTF, scope and schedule for each project is indicated as follows.

**1. MAIN STREET LIGHTING IMPROVEMENT UNIT 1 CIP/STP– CD 9**

This project is located on Main Street between 43<sup>rd</sup> St and 36<sup>th</sup> St. The project will include the installation of 57 new steel fluted street lighting poles with ornamental bases, and LED luminaires to replace the older high voltage street lighting system installed in 1924. This project is a priority for the Bureau to continue to convert older high voltage circuits to low voltage and install energy efficient LED fixtures.

This project will result in a more reliable system that will raise lighting levels to increase visibility and reduce energy use. The timeline is estimated to be:

Contract Award:	February 2019
Construction Complete:	April 2020
Board Acceptance:	October 2020

**2. OLYMPIC BLVD – FLOWER ST TO LAKE ST (VISION ZERO) STM/STP – CD 1, 9, 14**

The project location is on the High Injury Network of the Mayor's Vision Zero Initiative. This STM (series to multiple) conversion project will replace the existing high voltage street lighting with low voltage LED units.

Most of the existing mid-block poles and conduit were installed in 1938 and 1939 with lead sheath cable. Whether it is dirt accumulation or deterioration, lead sheath cable in aged conduit does not allow the existing cables to be removed to an extent where new wires may be installed in the existing conduit. Since the existing conduit cannot be reused, new conduit will be installed.

Approximately 80 lights will be converted to LED. The existing luminaires are a mix of HPS (high pressure sodium) and MV (mercury vapor) lamps in cobrahead and pendant fixtures. The project will save an estimated 80,000 KWhrs of energy, or \$10,400 in energy cost per year.

This project will result in a safer system, effectively reducing energy usage and the maintenance required on the system. The timeline is estimated to be:

Advertise Project:	May 2019
Contract Award:	Sept 2019
Construction Complete:	November 2019
Board Acceptance:	May 2020

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**3. WILSHIRE BLVD - CURSON AVE TO WILTON PL (VISION ZERO) STM/STP – CD 4**

The project location is on the High Injury Network of the Mayor's Vision Zero Initiative. This STM conversion project will replace the existing high voltage street lighting with low voltage LED units.

The street lighting system was installed circa 1956 with lead sheath cable. Whether it is dirt accumulation or deterioration, lead sheath cable in aged conduit does not allow the existing cables to be removed to an extent where new wires may be installed in the existing conduit. Since the existing conduit cannot be reused, new conduit will be installed.

Approximately 328 fixtures will be converted to LED. These fixtures are decorative utilizing old energy inefficient lamps. The new project will replace them with the same ornate look. The project will save an estimated 401,000 KWhrs in energy, or \$52,000 in energy cost per year.

This project will result in a safer system, effectively reducing energy usage and the maintenance required on the system. The timeline is estimated to be:

Advertise Project:	May 2019
Contract Award:	Sept 2019
Construction Complete:	May 2021
Board Acceptance:	November 2021

**4. VENTURA BL - AMIGO AVE TO CALHOUN AVE (VISION ZERO) STM/STP – CD 3, 4, 5**

The project location is on the High Injury Network of the Mayor's Vision Zero Initiative. This STM conversion project will replace the existing high voltage street lighting with low voltage LED units.

The street lighting system was installed between 1962 and 1972. Though the existing cables are not lead sheathed, the conduits between Densmore Ave and Sepulveda Blvd have deteriorated and need to be replaced.

Approximately 220 lights will be converted to LED. The existing luminaires are a mix of HPS, MV and incandescent cobrahead fixtures. All fixtures will be replaced with LED. The project will save an estimated 160,000 KWhrs in energy, or \$21,000 in energy cost per year.

This project will result in a safer system, effectively reducing energy usage and the maintenance required on the system.

The timeline is estimated to be:

Advertise Project:	August 2018
Contract Award:	January 2019
Construction Complete:	March 2020
Board Acceptance:	Sept 2020

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5. ENHANCED MTA BUS STOPS SECURITY LIGHTING – CD (various locations).

The Bureau of Street Lighting has identified 18 bus stops from the list provided by LAMTA that qualify for federal reimbursement of design and construction costs under the program. The improvements at these bus stops will greatly enhance the existing security lighting system's reliability and light output thereby improving bus riders/pedestrian safety sensibility.

There's no existing security lighting provided at these 18 bus stops. This project will provide a comfortable visibility to encourage pedestrian and bus rider traffic. The timeline is estimated to be:

Advertise Project:	February 2018
Contract Award:	June 2018
Construction Complete:	August 2019
Board Acceptance:	February 2020

FISCAL IMPACT STATEMENT

There is no impact to the City's General Fund. The PWTF will front fund the projects for a total of \$6,875,000, and the PWTF will be reimbursed by the Street Lighting Maintenance Assessment Fund as soon as grant proceeds are received from Caltrans and LAMTA-FTA.

STATUS OF FINANCING

If awarded, funding will be available at the PWTF, Fund 834 to transfer to Street Lighting Maintenance Assessment (SLMAF) Fund, 347, New Account (Project Name) to front fund the construction and design of the projects. Funds will be transferred from the PWTF to SLMAF upon awarding of contract and showing proof of grant award.

Federal billings will be submitted progressively and PWTF will be reimbursed as grant proceeds are received from Caltrans and LAMTA as per Recommendation 1.1.3.

Report prepared by:  
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Respectfully submitted,

  
Norma Isahakian, Executive Director  
Bureau of Street Lighting