



Office of the City Manager

CONSENT CALENDAR
May 14, 2024

To: Honorable Mayor and Members of the City Council
 From: Dee Williams-Ridley, City Manager
 Submitted by: Terrance Davis, Director of Public Works
 Subject: Purchase Order: SWARCO McCain, Inc. for Traffic Signal Controllers

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a multi-year purchase order with SWARCO McCain, Inc, a sole source vendor, for traffic controllers, software, and other related parts in an amount not to exceed \$500,000 for three fiscal years, through June 30, 2026.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available for FY 2024 in the Facilities Maintenance Traffic Signal Maintenance budget – Measure BB Fund (Fund 134). Expenditures are forecasted to be \$150,000 per year. Funds for the next two years (FY 2025 and FY 2026) will be requested as part of the annual budget process in the Facilities Maintenance budget.

CURRENT SITUATION AND ITS EFFECTS

SWARCO McCain, Inc. is the manufacturer of all of the traffic controllers that are currently used by the City of Berkeley. The Public Works Electrical Unit in the Facilities Division purchases controllers from SWARCO to ensure that the City's vehicle and pedestrian signals are functional, well-maintained and are replaced when they reach the end of their useful life. This purchase will also support Public Work's goal of improving traffic control, identifying issues with traffic and pedestrian signals, and being able to replace equipment and parts in a timely fashion.

This work will support the City's Strategic Plan Goal to provide state-of-the-art, well-maintained infrastructure, amenities, and facilities.

BACKGROUND

SWARCO's traffic controllers regulate pedestrian and vehicle signal time based on fixed time inputs and inputs derived from vehicle and pedestrian detection. SWARCO is the sole source for technical support and repair of these controllers.

SWARCO also provides Transparency, which is the traffic signal management software that the City uses. Public Works Electrical and IT are currently working to install the

newest version of this software by the end of this fiscal year. In the future, Public Works will be working to expand the capabilities of Transparency by monitoring more intersections through the use of cellular and/or radio communications. The purpose of this is to monitor traffic signal status, timing, and vehicle and pedestrian volume along with supporting the City's signal timing database. This real-time information helps maintenance identify issues with intersections and traffic engineering to develop more efficient timing plans to reduce carbon emissions.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

This system positively impacts climate by keeping traffic moving at a steady pace and reducing stop and go resulting in decreased vehicle emissions.

RATIONALE FOR RECOMMENDATION

This multi-year purchase order will allow Public Works Electrical to continually maintain and repair all City traffic controllers in a timely manner and prevent potential service interruptions due to lack of purchasing ability.

ALTERNATIVE ACTIONS CONSIDERED

If the City does not purchase from SWARCO, the City would need to purchase different traffic controllers from a different vendor. However, this means that the City would have to spend a significant amount of time and resources to completely overhaul its current controller infrastructure to accommodate traffic controllers manufactured by a different vendor.

CONTACT PERSON

Joy Brown, Operations Manager, 510-981-6629

Aaron Baker, Facilities Maintenance Superintendent, 510-981-6452

Attachment 1: Resolution – Purchase Order: Swarco McCain, Inc for Traffic Controllers

RESOLUTION NO. ##,###-N.S.

PURCHASE ORDER: SWARCO MCCAIN, INC. FOR TRAFFIC CONTROLLERS

WHEREAS, SWARCO McCain, Inc (“SWARCO”) is the manufacturer of all traffic controllers for the City of Berkeley; and

WHEREAS, the specialized traffic controllers of SWARCO are needed for ongoing traffic signal upgrades, maintenance and repair; and

WHEREAS, Public Works Electrical needs to purchase traffic controllers, related parts, and software support to ensure the City’s traffic controllers are continually operational and are replaced once they reach the end of their useful life; and

WHEREAS, funding is available in the FY 2024 budget in Facilities Maintenance Fund 134, and funding will be requested in the FY 2025 and FY 2026 budgets through the annual budget process.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a multi-year purchase order for three fiscal years, through June 30, 2026, with SWARCO for traffic controllers for a total not-to-exceed amount of \$500,000.

