



# City of Palm Springs

## Engineering Services Department

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### MEMORANDUM

**DATE:** January 16, 2020  
**To:** Jim Gazan, Chair – Measure J Commission  
**FROM:** Joel Montalvo, Assistant Director of Engineering Services  
**SUBJECT:** Request for Funds - Traffic Management Center and Signal Timing Optimization

The Engineering Services Department is asking the Measure J Commission for support in recommending to the City Council, the approval of using Measure J – Capital Projects – Unscheduled Funds, in the amount of \$252,500, for Traffic Management Center and Signal Timing Optimization, City Project No. 19-37.

The Kimley-Horn and Associates proposal is for \$252,500. Their scope of work includes the following:

1. Evaluate the Traffic Management Center (TMC), troubleshoot and identify communication problems along our interconnected routes, and identify and recommend solutions to ensure consistent communication from each interconnected corridor and the TMC.
2. Review existing timing sheets, and prepare new interconnected timing sheets for all interconnected routes.
3. Implement timing plans into controllers, field check, and resolve coordinated timing issues.

#### BACKGROUND:

In January 2015, the City Council awarded a construction contract for the Traffic Management Center and Citywide Traffic Signal Interconnect/Synchronization Project. The Project installed a system of wireless and wired connections for traffic signals along six corridors, (North/South Palm Canyon, Indian Canyon, Tahquitz Canyon, Sunrise Way, Ramon Road, and East Palm Canyon) and build the TMC to manage the interconnected system. This project was built with federal Congestion Management and Air Quality (CMAQ) funds and regional funds through the Coachella Valley Association of Governments (CVAG).

Since the project's completion in 2018, the TMC is not operating to its full potential, because of unreliable communications between traffic signals and the TMC. While our signal maintenance contractor is able to make minor adjustments, troubleshooting connections and integration of software updates is best done by one of our on-call traffic engineering firms. Also, some of the electronic components installed in the traffic signal cabinets are coming to the end of their useful life and will need to be replaced with this project.

Staff feels this is a good use of Measure J Funds because improvement to the traffic signals benefits all residents and businesses Citywide. The consultant proposes to do this over a period of about six months.

Additional Handout Item 4  
January 16, 2020