



# City of Emeryville

CALIFORNIA

## MEMORANDUM

**DATE:** July 6, 2021

**TO:** Christine Daniel, City Manager

**FROM:** Ryan O'Connell, Senior Civil Engineer

**SUBJECT:** **Resolution Of The City Council Of The City Of Emeryville Authorizing The City Manager To Execute A First Amendment To The Professional Services Contract With Econolite Systems, Inc., For An Additional Amount Not To Exceed \$146,342.00 For The Emeryville Innovative Deployment To Enhance Arterials (IDEA) Project, For A Total Contract Amount Not To Exceed \$679,349.00; Appropriating \$136,936 Of MTC IDEA Grant Funding In FY2021/2022 To CIP Project No. 20254001; Transferring and Appropriating \$245,000 from CIP Project No. 1645036 Fund 475 to CIP Project No. 20254001 Fund 475**

## RECOMMENDATION

Staff recommends that the City Council adopt the above-entitled resolution.

## BACKGROUND

On July 21, 2020, the City Council passed Resolution 20-79 authorizing the City Manager to execute a Professional Services Agreement with Econolite Systems, Inc. for an amount not to exceed \$533,007 for project management, vendor supply, and delivery/installation/verification of equipment for the Emeryville Innovative Deployments to Enhance Arterials (IDEA) Project ("Project"). The agreement was executed on August 14, 2020.

The Econolite team has completed delivery and installation of equipment related to the Automated Traffic Management System (ATMS) element of the Project. The Project is moving into implementation, verification, and completion of the other project elements which include Automated Traffic Signal Performance Measures (ATSPMs), Transit Signal Priority (TSP), and Virtual Bicycle Detection / Bicycle Signal Prioritization (VBD/BSP). The current Project schedule is to complete all tasks and have the system operational sometime in 2021.

## DISCUSSION

During QA/QC work for the ATMS system, the Econolite team found issues with traffic signal timings and video detection configurations that would make it difficult to implement the Project as originally intended. The Econolite team and Staff have agreed on a scope of work that is required to fully implement the elements of the Project.

The attached contract amendment reflects the additional work required to complete this expanded scope. The additional work to be done includes:

1. Multiple camera adjustments will be necessary in order to fully implement the SPM system, this includes adjustments, additional cable, re-installation of cameras in new locations at intersections, and new DLC cable to support advanced loop detectors.
2. QA/QC Review, troubleshooting, and refreshing of signal timing plans on all Project intersections.
3. Re-programming of TSP settings for all IDEA project intersections, and also set the bicycle priority parameters to work within the newly adjusted cycle lengths/timing plans on the IDEA intersections.
4. Project Management to help implement all changes properly and to fine-tune using ATSPM element of the Project. Additional meetings are going to be required to account for the additional work from task 1, 2, and 3.

The amendment includes all hours, time, and budget for all tasks needed to move the Project forward to completion.

CIP Project No.20254001 inadvertently included an appropriation of only \$75,000 to meet the original matching funds requirement of the MTC and ACTC grant requirements; the grant budget anticipated a match of \$150,050. Now that additional work has been identified as described above, an additional \$245,000 of Fund 475 funding is needed to meet the matching funds requirement. That amount is available to be transferred from CIP Project No. 16475036.

## **FISCAL IMPACT**

The following adjustment in funds is required to fund the Econolite contract:

CIP Project No.	Fund	Amount
16475036	475	(\$245,000)
20254001	475	245,000

The funds from CIP Project No. 16475036 are intended for “Traffic Signal Modernization.” The funds will be moved to CIP Project No. 20254001 fulfilling the same modernization efforts, but through the procurement/contract mechanism of the IDEA project. These specific local funds being used on the IDEA project are fulfilling the local in-kind match requirements of the grant. CIP Project No. 20254001 will utilize \$320,000 in allocated funds from Fund 475 (\$75,000 originally approved plus \$245,000 recommended to be transferred from CIP Project No.16475036).

With the above budget amendment, adequate funds are available in CIP Project No. 20254001 to fund the Econolite Systems, Inc. contract as follows:

	Fund	Amount
Original Contract	254-20254001 (MTC)	\$178,782.32
	254-20254001 (ACTC)	34,383.68
	475-20254001	319,841.00
	Subtotal	533,007.00

1 <sup>st</sup> Amendment	254-20254001 (MTC)	122,737.04
	254-20254001 (ACTC)	23,604.96
	Subtotal	146,342.00
	<b>Grand Total</b>	<b>\$679,349.00</b>

The Project (CIP Project No. 20254001) has MTC and ACTC grant funding appropriated for the first two years of the Project per Council Resolution 19-66. The amounts appropriated for the Project from Fund 254 thus far total \$700,000 for Fiscal Year (FY) 19/20 and FY 20/21. The final remaining year of funding as described in the MTC IDEA Grant funding agreement includes an additional \$136,936 of revenues for FY21/22. Staff recommends the City Council approve amending the project budget by increasing revenues by \$136,936 and increasing appropriations by \$146,342 into the Project in Fund 254.

The total Project costs (CIP Project No. 20254001) are summarized as follows:

	MTC Grant Fund 254	ACTC Grant Fund 254	General Capital Fund 475	Total
<b>IDEA Grant Revenue Budget</b>	<b>\$836,936.00</b>	<b>\$170,888.00</b>	<b>\$150,050.00</b>	<b>\$1,157,874.00</b>
<b>Expenditures</b>				
MTC-Led Systems Engineering	\$110,023.00	\$31,065.00	\$	\$141,088.00
TSP Element (Advanced Traffic Products PO)	105,880.33	20,363.06	-	126,243.39
ATMS, ATSPM, VBD/BSP Elements (Original Econolite Contract)	178,782.32	34,383.68	319,841.00	533,007.00
ATSPM, VBD/BSP Elements (1 <sup>st</sup> Amendment Econolite Contract)	122,737.04	23,604.96	-	146,342.00
AC Transit Pass- through Funds	177,746.90	-	-	177,746.90
Emery Go Round /ETMA Pass-through Funds	59,249.25	-		59,249.25
Staff Time*	<u>82,517.16</u>	<u>61,471.30</u>	<u>-</u>	<u>143,988.46</u>
<b>Total Expenses</b>	<b><u>836,936.00</u></b>	<b><u>170,888.00</u></b>	<b><u>319,841.00</u></b>	<b><u>1,327,665.00</u></b>
Net Increase	\$-	\$-	\$169,791.00	\$169,791.00

\*Staff Time is expected to be reimbursed with remaining portions of the MTC/ACTC Grant Funds

There is a net increase of \$169,791 to the Project from General Capital Fund 475 due primarily to the additional work described above. The original estimate in the IDEA grant application was \$150,050 for the ATMS element which is the portion of the Project being used as the City's in-kind local matching funds. The cost of the ATMS element ended up being \$319,841. The additional \$245,000 being moved into the Project from CIP Project No. 16475036 will cover this net increase using General Capital Fund 475.

### **STAFF COMMUNICATION WITH THE PUBLIC**

None

### **CONFLICT OF INTEREST**

None

### **CONCLUSION**

Staff recommends that the City Council adopt the above-entitled resolution.

**PREPARED BY:** Ryan O'Connell, Senior Civil Engineer

### **APPROVED AND FORWARDED TO THE CITY COUNCIL OF THE CITY OF EMERYVILLE:**



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Christine Daniel, City Manager

### **ATTACHMENTS**

1. Attachment A – Original Professional Services Contract
2. Draft Resolution
3. 1<sup>st</sup> Amendment PSC
  - a. Exhibit A-1 – Additional Scope of Work