



## City Council Staff Report

Date: September 3, 2014

NEW BUSINESS

Subject: APPROVAL OF PLANS, SPECIFICATIONS AND ESTIMATE (PS&E) AND AUTHORIZATION TO BID FOR THE TRAFFIC MANAGEMENT CENTER AND CITYWIDE TRAFFIC SIGNAL INTERCONNECT PROJECT, CITY PROJECT NO. 08-04, FEDERAL AID PROJECT NO. CML 5282 (031)

From: David H. Ready, City Manager

Initiated by: Public Works and Engineering Department

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### SUMMARY

The Public Works and Engineering Department has received from Caltrans the Authorization to Proceed (E-76) with Construction for this project, with a total cost of \$1,644,000 (with 100% reimbursement) for construction. The construction documents (Plans, Specifications and Estimate) are completed and, in accordance with Section 7.03.040 of the Procurement and Contracting Code the City Council is required to approve and adopt plans, specifications and working details, and authorize the bid request for all public projects in excess of \$100,000. Approval of this project will allow staff to proceed with this public project, with an estimated cost of approximately \$1,480,000.

### RECOMMENDATION:

1. Approve the Plans, Specifications, and Estimates for the Traffic Management Center (TMC) and Citywide Traffic Signal Interconnect Project, City Project No. 08-04, Federal Aid Project No. CML 5282 (031); and authorize staff to advertise and solicit bids.

### STAFF ANALYSIS:

The City of Palm Springs has undertaken this project in order to migrate from a legacy system to an Ethernet system and expand their Intelligent Transportation System (ITS) in order to improve video and data communications from the signalized intersections to the City of Palm Springs Traffic Management Center (TMC), to provide new closed circuit television (CCTV) camera systems that will be communicating via the new fiber optic, new wireless, and existing hardwired (copper/twisted-pair) communication system,

ITEM NO. 5A

removing/salvaging/modifying traffic signal controllers, video detection equipment, wireless communication equipment, and cabinets; and installing new traffic signal controllers and cabinets.

The project will also provide for a new TMC at City Hall within the City's Public Works Department complete with two desktop work stations and a 60" LED HDTV Monitor that will be able to display real time video of intersections and be able to monitor blow sand and/or flood conditions at the Whitewater River crossings at Indian Canyon Drive, Gene Autry Trail and Vista Chino. This will be accomplished by furnishing and installing a total of three (3) Thermal/Daylight Color Cameras to monitor flood, blow sand, and traffic conditions at the following locations:

1. Palm Springs Amtrak Station
2. Gene Autry Trail at Via Escuela
3. Vista Chino at Clubhouse View Drive

Although the main objective of the project is to provide traffic signal synchronization and interconnect along the following major corridors:

1. North Palm Canyon Drive – from Tachevah Drive to Andreas Road
2. South Palm Canyon Drive – from Tahquitz Canyon Way to Camino Real
3. East Palm Canyon Drive – from Sunrise Way to Cherokee Way
4. Indian Canyon Drive – from San Rafael to Ramon Road
5. Sunrise Way – from San Rafael Drive to Mesquite Avenue
6. Tahquitz Canyon Way – from Calle Encilia to El Cielo
7. Ramon Road – from Calle Encilia to Crossley Road

The City received \$199,000 in federal funds for the Preliminary Engineering phase, including environmental clearance and design for this project. The City's consultant, RBF Consulting, has completed the environmental studies, construction plans, specifications and estimates.

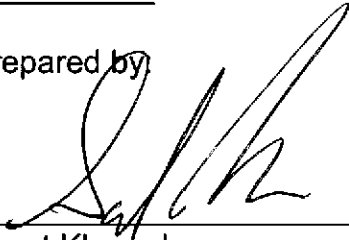
On April 4, 2014, Caltrans authorized the City to proceed with the construction phase of this project with the total cost of \$1,644,000 (\$100% federally reimbursable using federal toll credits) for construction. The plans, specifications, and estimates are available for viewing in Public Works and Engineering Department and are ready for Council approval. The Engineer's Estimate for this project is \$1,480,000. Approval of the recommended action will allow staff to proceed with advertisement for construction bids.

FISCAL IMPACT:

Funding for this project is made available in account number 261-4491-50266.

SUBMITTED:

Prepared by:



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Savat Khamphou  
Assistant Director of Public Works/  
Assistant City Engineer

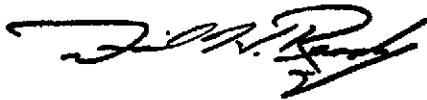
Recommended by:



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David J. Barakian  
Director of Public Works/City Engineer

Approved by:



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David H. Ready, City Manager

**DEPARTMENT OF TRANSPORTATION**  
DIVISION OF PLANNING AND LOCAL ASSISTANCE  
464 W. 4<sup>TH</sup> STREET, 6<sup>th</sup> Floor, MS-760  
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*Flex your power!  
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April 8, 2014

Dave Barakian  
Director of Public Works/ City Engineer  
City of Palm Springs  
3200 E. Tahquitz Canyon Way  
Palm Springs, CA 92263

08-RIV-0-PSP  
CML-5282(031)  
Traffic Management Center  
Advance Interconnected Signal  
Citywide

Dear Mr. Barakian:

We have reviewed and processed your obligation submittal for the above-referenced project through Caltrans Headquarters and the Federal Highway Administration (FHWA). You are hereby authorized to begin the Construction phase of your project. Enclosed is a copy of the authorizing document (E-76) for your records.

Please consult your Local Assistance Procedures Manual (LAPM), Chapter 15, for proper Advertising and Award procedures. The City shall follow its normal procedure in awarding the contract to the lowest responsible bidder and assuring us that all federal requirements have been met, including an approved Quality Assurance Program.

Please notify this office in writing of the date of the bid opening. After the bid opening and award, please send us the following items:

- A complete award package as outlined in Chapter 15, section 15.7.
- One copy of plans and specifications, as advertised.

Prospective bidders should be reminded of the Disadvantage Business Enterprise (DBE) requirements contained in Chapter 9 of the Local Assistance Procedures Manual.

Please be reminded of the invoice processing requirements and reimbursement process in Chapter 5 of the LAPM. Invoices for reimbursement cannot be submitted until after funds are encumbered via an executed Program Supplemental Agreement (PSA) and/or an executed Finance Letter.

Dave Barakian  
CML-5282(017)  
April 8, 2014  
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If you have any questions, please call me or my staff, Alberto Vergel de Dios at (909) 806-3944.

Sincerely,



Sean Yeung, P.E.  
District Local Assistance Engineer (Acting)

Attachment  
E-76

c: Grace Alvarez, RCTC  
Savat Khamphou, City of Palm Springs  
George Farago, City of Palm Springs  
Anna Alonso, Caltrans Oversight Engineer

AMENDMENT MODIFICATION SUMMARY - (E-76)

CALIFORNIA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROGRAM

DLA LOCATOR: 08-RIV-0-PSP  
 PREFIX: CML  
 PROJECT NO: 5282(031)  
 SEQ NO: 2  
 STATE PROJ NO: 08925113L  
 AGENCY: PALM SPRINGS  
 ROUTE:  
 TIP DATA  
 MPO: SCAG  
 STIP YR: 13/14  
 STIP REF: 209-4000-3653  
 DISASTER NO:  
 BRIDGE NO'S:

PROJECT LOCATION:  
 THROUGHOUT PALM SPRINGS  
 TYPE OF WORK:  
 INTERCONNECT SIGNALS AND NEW TMC (TC)  
 FED RR NO'S:  
 PUC CODES:  
 PROJ OVERSIGHT: DELEGATED/LOCAL ADMIN  
 ENV STATUS / DT: DELEG TO STATE SEC 6004 07/26/2012  
 RW STATUS / DT: 1 07/19/2013  
 INV RTE: 000000000000  
 BEG MP: 0  
 END MP: 0

PREV AUTH / AGREE DATES:  
 PE: 06/30/2009  
 R/W:  
 CON:  
 SPR:  
 MCS:  
 OTH:

PROG CODE	LINE NO	IMPV TYPE	FUNC SYS	URBAN AREA	URB/RURAL	DEMO ID
L400	10	15	P	INDIO-COACHELLA	URBAN	
L400	30	24	P	INDIO-COACHELLA	URBAN	
L400	31	17	P	INDIO-COACHELLA	URBAN	

FUNDING SUMMARY

PHASE	PROJECT COST	FEDERAL COST	AC COST
PE	PREV. OBLIGATION	\$225,000.00	\$199,000.00
	THIS REQUEST	\$0.00	\$0.00
	SUBTOTAL	\$225,000.00	\$199,000.00
R/W	PREV. OBLIGATION	\$0.00	\$0.00
	THIS REQUEST	\$0.00	\$0.00
	SUBTOTAL	\$0.00	\$0.00
CON	PREV. OBLIGATION	\$0.00	\$0.00
	THIS REQUEST	\$1,644,000.00	\$1,644,000.00
	SUBTOTAL	\$1,644,000.00	\$1,644,000.00
TOTAL:	\$1,869,000.00	\$1,843,000.00	\$0.00

STATE REMARKS

HISTORICAL COMMENTS

This is a request for preliminary engineering funding to interconnect traffic signals throughout the City of Palm Springs and to construct a Traffic Management Center (TMC) in City Hall using Congestion Mitigation and Air Quality (CMAQ) funds programmed in SCAG's 2008 FTIP on 11/17/08. This project has been determined to be a minor ITS project. Federal funding is capped at \$199,000 for preliminary engineering with a maximum reimbursement ratio of 88.53%. THIS AUTHORIZATION TO PROCEED FOR PRELIMINARY ENGINEERING IS CONTINGENT ON SATISFYING THE FOLLOWING CONDITIONS: (1) PRIOR TO ADVERTISING, THENADMINISTERING AGENCY'S CONTRACT SOLICITATION DOCUMENTS MUST INCORPORATE THE RACE-CONSCIOUS DBE PROVISIONS; AND 2) PRIOR TO CONTRACT AWARD, THE ADMINISTERING AGENCY MUST ADOPT AND RECEIVE CALTRANS'S APPROVAL OF A NEW RC DBE IMPLEMENTATION AGREEMENT. Reimburse with L400 CMAQ funds at approximately 88.4% up to the federal amount shown for preliminary engineering. PL\_\_\_\_\_

TOTAL COSTS	PARTIC. COSTS	FED. FUNDS (L400)	LOCAL FUNDS
Prel. Engr. \$ 225,000	\$ 225,000	\$ 199,000	\$ 26,000

07/22/2013 SEQ 2. This request is for \$1,644,000 for CON and CE. CMAQ funds programmed in 2013 FTIP, amendment no. 6 approved on 04/18/13. Toll credit use as 11.47% match.  
 09/02/2013 Sequence #2 is a request for construction and construction engineering funding to interconnect traffic signals throughout the City of Palm Springs and to construct a Traffic Management Center (TMC) in City Hall

using Congestion Mitigation and Air Quality (CMAQ) funds programmed for FY 14-15 in Amendment #6 approved on 4/18/13 to SCAGs 2013 FTIP and EPSP'd to FY 12-13. Funding for preliminary engineering was previously obligated. The original NEPA decision approved on 7/26/12 was revalidated on 3/21/13. Federal funding is capped at \$1,644,000 for construction with a maximum reimbursement ratio of 100% using toll credits in lieu of matching funds. Reimburse with M400 CMAQ funds at 100% on a pro rata reimbursement basis up to the federal amounts shown for construction and construction engineering.

01/08/2014 SEQ 2. Provide Public Interest Findings for use of proprietary items and EPSP approval.

03/24/2014 Submit Emission Benefit clarification.

03/28/2014 Sequence #2 is a request for construction and construction engineering funding to interconnect traffic signals throughout the City of Palm Springs and to construct a Traffic Management Center (TMC) within City Hall using Congestion Mitigation and Air Quality (CMAQ) funds programmed for FY 14-15 in Amendment #6 approved on 4/18/13 to SCAGs 2013 FTIP and EPSP'd to FY 13-14. Funding for preliminary engineering was previously obligated. The original NEPA decision approved on 7/26/12 was revalidated on 3/21/13. The City issued a Public Interest Finding on 12/12/13 for the proprietary items of work. Federal funding is capped at \$1,644,000 for construction with a maximum reimbursement ratio of 100% using toll credits in lieu of non-federal matching funds. Reimburse with L400 CMAQ funds at 100% on a pro rata reimbursement basis up to the federal amounts shown for construction and construction engineering.

FEDERAL REMARKS

AUTHORIZATION

AUTHORIZATION TO PROCEED WITH REQUEST; CON  
FOR: CONSTRUCTION & CENG.  
DOCUMENT TYPE: AMOD

PREPARED IN FADS BY: VERGEL DE DIOS, ALBERTO  
REVIEWED IN FADS BY: GARCIA, JAVIER  
SUBMITTED IN FADS BY: LOUIE, PATRICK  
PROCESSED IN FADS BY: FOGLE, JERILYNN  
APPROVED IN FMIS BY: MARY CUNNINGHAM

ON 03/24/2014 383-6414  
ON 03/28/2014 653-8640  
ON 03/28/2014 FOR CALTRANS  
ON 03/28/2014 FOR FHWA  
ON 04/04/2014

SIGNATURE HISTORY FOR PROJECT NUMBER 5282(031) AS OF 04/08/2014

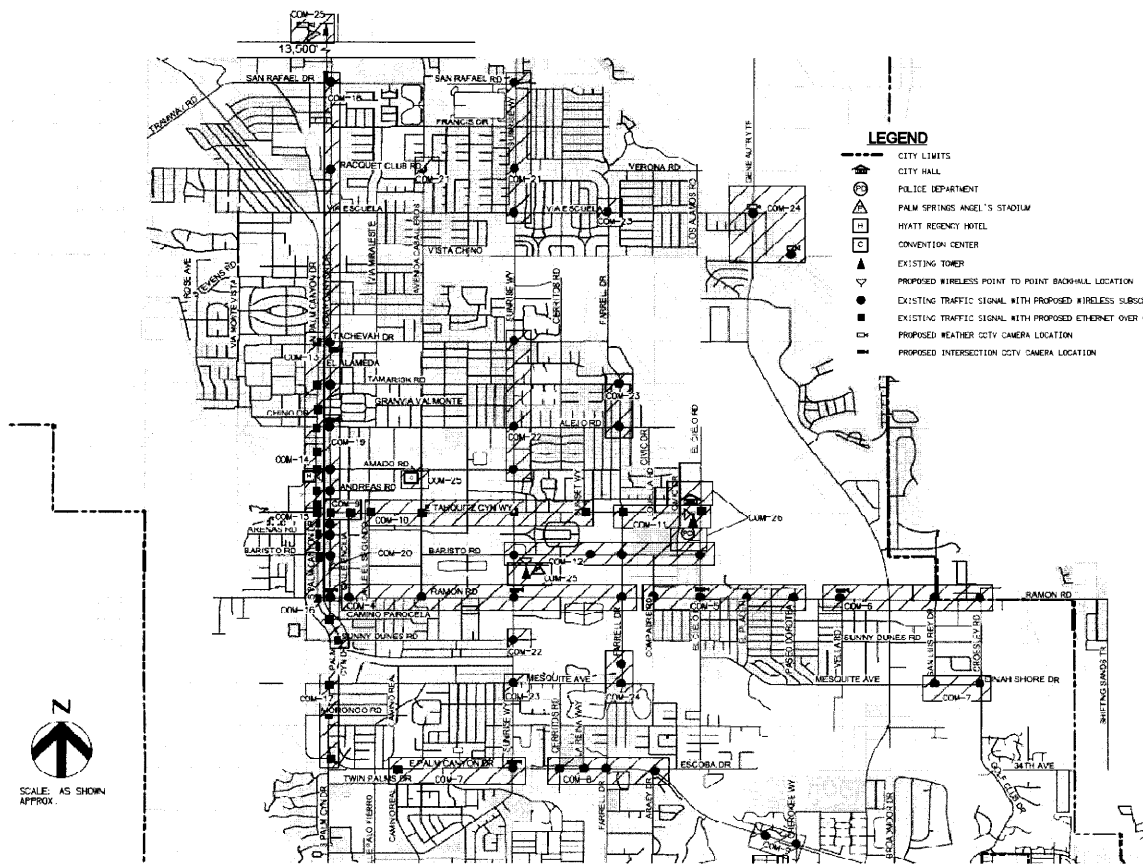
FHWA FMIS 4.0 SIGNATURE HISTORY

MOD #	SIGNED BY	SIGNED ON
1	JERILYNN FOGLE	03/31/2014
	CHRISTOPHER M. NEWMAN	03/31/2014
	MARY CUNNINGHAM	04/04/2014
0	JERILYNN FOGLE	06/29/2009
	JACOB R. WACLAW	06/30/2009
	DUSTIN BAILEY	06/30/2009

FHWA FMIS 3.0 SIGNATURE HISTORY

CALTRANS SIGNATURE HISTORY

DOCUMENT TYPE	SIGNED BY	SIGNED ON
AMEND/MOD	LOUIE, PATRICK	03/28/2014



**TRAFFIC SIGNAL SYNCHRONIZATION AND TRAFFIC MANAGEMENT CENTER, CP 08-04**