



City of La Quinta

CITY / SA / HA / FA MEETING DATE: March 18, 2014

AGENDA CATEGORY:

ITEM TITLE: AUTHORIZE STAFF TO SUBMIT APPLICATIONS FOR CONGESTION MITIGATION AND AIR QUALITY CALL FOR PROJECTS AND COMMIT TO REQUIRED LOCAL MATCH

BUSINESS SESSION:

CONSENT CALENDAR: 11

STUDY SESSION:

PUBLIC HEARING:

RECOMMENDED ACTION:

Authorize staff to submit five applications for the 2014 Congestion Mitigation and Air Quality Call for Projects, and commit to a maximum amount of \$369,788 from Measure A, Transportation Developer Impact Fees, and developer bonds as the required local match for the five proposed projects.

EXECUTIVE SUMMARY:

- The Coachella Valley Association of Governments (CVAG) issued a Call for Projects on December 9, 2013 for the use of Congestion Mitigation and Air Quality (CMAQ) funding, which requires the City to propose projects that will improve air quality by decreasing traffic congestion through improved traffic circulation.
- Staff has identified five projects that meet the grant application requirements and would compete well. These projects will be discussed in more detail during the Capital Improvement Program (CIP) Study Session (which is also on today's agenda).
- If successful, these grants will pay for 88.53 percent of the cost of design and construction; however, the grant application requires the City commit to 11.47 percent as the local funding match, totaling \$369,788 for the five proposed projects.

FISCAL IMPACT:

If all projects are approved, CMAQ funding will cover \$3,145,346 of project costs, with the City's share being \$369,788. Since two projects are partially located

within the City of Indio, Indio has agreed to fund its half of the local share totaling \$52,533. A cost allocation by project is presented below:

Project	CMAQ	Measure A	DIF	Developer Bonds	Indio	Total Project Cost
Jefferson Dunbar	\$ 380,679			\$ 39,468	\$ 24,660	\$ 444,807
Citywide Interconnect	\$ 729,046	\$ 94,456				\$ 823,502
Citywide ATMS	\$ 703,607		\$ 91,160			\$ 794,767
WWHo RaB ¹	\$ 430,267	\$ 27,873			\$ 27,873	\$ 486,013
Madison RaB ²	\$ 901,747	\$ 116,831				\$1,108,578
Totals	\$3,145,346	\$ 239,160	\$ 91,160	\$ 39,468	\$ 52,533	\$3,657,667

1. *Westward Ho Drive and Roadrunner Lane Mini Roundabout*
2. *Madison Street and Avenue 58 Roundabout*

All projects are recommended to be approved as part of the 2014/2015 CIP.

BACKGROUND/ANALYSIS:

CVAG has issued a \$14 million call for projects for local agencies within the Coachella Valley to apply for federal CMAQ funding for projects that improve air quality by improving traffic circulation to reduce drive time and vehicle idle time. These grants will be awarded based on a competitive process through CVAG. Upon City Council approval, staff will complete and submit the necessary grant applications and associated documents to CVAG by the end of March 2014.

Staff developed the following project list based upon needed upcoming projects in the CIP that meet the CMAQ program objectives. The proposed projects are listed below in order of priority: prioritization was based on safety and need, and on how staff believed the projects would compete in the selection process. The Traffic Signal at Jefferson and Dunbar and the Westward Ho Roundabout are joint projects with the City of Indio, and the Interconnect and Transportation Management System will improve the efficiency and operation of the City’s traffic signal system.

- 1) Traffic Signal Installation and Interconnect at Jefferson Street and Dunbar Drive
- 2) Citywide Traffic Signal Interconnect System
- 3) Citywide Advanced Transportation Management System
- 4) Westward Ho Drive and Roadrunner Lane Mini Roundabout
- 5) Madison Street and Avenue 58 Roundabout

As part of the application process, local agencies must demonstrate commitment to a local match. Attachment 1 contains cover letters for the applications which, if approved by City Council, will be signed by the City Manager. The letters describe the project and commit to the local match. The City of Indio has provided letters of commitment for its share as well, which are included as Attachment 2.

ALTERNATIVES:

Since CMAQ grant funding is limited, staff does not recommend an alternative.

Report prepared by: Bryan McKinney, Principal Engineer

Report approved for submission by: Timothy R. Jonasson, P.E.

Public Works Director/City Engineer

- Attachments:
1. Cover letters for CMAQ project applications
 2. Support letters from the City of Indio

April 1, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

**Subject: MAP 21 CMAQ Call for Projects - City of La Quinta - Traffic Signal
Installation and Interconnect at Jefferson Street and Dunbar Drive**

Dear Ms. Wilson:

The City of La Quinta respectfully requests that the Coachella Valley Association of Governments (CVAG) consider the application of the MAP 21 Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$380,679 toward the City of La Quinta's Traffic Signal Installation and Interconnect at Jefferson Street and Dunbar Drive Project.

The proposed improvements include designing and constructing a new traffic signal at the intersection of Jefferson Street and Dunbar Drive. The new traffic signal will be connected to the existing wired interconnect along Jefferson Street to ensure proper synchronization along the corridor. This project will maintain the existing geometry of the intersection. A map depicting the project location is attached.

Installing a new traffic signal at this intersection will reduce congestion on the side streets and improve air quality. The signal is also expected to make the intersection safer and more pedestrian friendly encouraging the use of non-motorized transportation for the newly developing area. Since this project is also in the City of Indio, they have agreed to submit this project as a joint application.

As defined within the attached CMAQ Application, the total estimated construction cost of the improvements is \$444,807. Considering the proposed Grant Funds in the amount of \$380,679, the total local contribution would be \$64,128. Per council action the City of La Quinta is committed to providing the local share once the project is approved to receive the funds. Construction is expected to begin by mid-2016.

The City appreciates CVAG's consideration of our request for the MAP 21 CMAQ funds in the amount of \$380,679 toward the City of La Quinta's Traffic Signal Installation and Interconnect at Jefferson Street and Dunbar Drive Project. Please do not hesitate to contact Bryan McKinney, P.E., Principal Engineer, at (760) 777-4045 if you require additional information or clarification.

Sincerely,

Frank J. Spevacek
City Manager

April 1, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: MAP 21 CMAQ Call for Projects - City of La Quinta - Citywide Traffic Signal Interconnect System

Dear Ms. Wilson:

The City of La Quinta respectfully requests that the Coachella Valley Association of Governments (CVAG) consider the application of the MAP 21 Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$729,046 toward the City of La Quinta's Citywide Traffic Signal Interconnect System Project.

The proposed improvements include installing a new signal interconnect along Washington Street from Miles Avenue to Channel Drive. Since there is currently no existing interconnect at this location the signals north of Miles Avenue are not connected to a local synchronization group and cause unnecessary delays along Washington Street due to the bad signal timing. Additionally, this project will replace the unreliable wireless interconnect throughout the City. The City currently has wireless interconnects along Washington Street from Avenue 47 to Avenue 48 and from Avenue 50 to Avenue 52. There is also wireless interconnect along Jefferson from Avenue 50 to Pomelo Drive and along Adams Street from Avenue 47 to Avenue 48. A location map depicting the project is attached.

Installing a wired interconnect throughout the City will alleviate congestion by optimizing the flow of traffic. Also, since the wireless interconnect is so unreliable, the City has had to constantly resynchronize the signals creating a financial burden on the City. Replacing the wireless interconnect will not only prevent avoidable lapses in the signal timing, improving congestion, but it is also more cost effective.

As defined within the attached CMAQ Application, the total estimated construction cost of the improvements is \$823,502. Considering the proposed Grant Funds in the amount of \$729,046, the total local contribution would be \$94,456. Per council action the City of La Quinta is committed to providing the local share once the project is approved to receive the funds. Construction is expected to begin by mid-2016.

The City appreciates CVAG's consideration of our request for the MAP 21 CMAQ funds in the amount of \$729,046 toward the City of La Quinta's Citywide Traffic Signal Interconnect System Project. Please do not hesitate to contact Bryan McKinney, P.E., Principal Engineer, at (760) 777-4045 if you require additional information or clarification.

Sincerely,

Frank J. Spevacek
City Manager

April 1, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: MAP 21 CMAQ Call for Projects - City of La Quinta - Citywide Advanced Transportation Management System

Dear Ms. Wilson:

The City of La Quinta respectfully requests that the Coachella Valley Association of Governments (CVAG) consider the application of the MAP 21 Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$703,607 toward the City of La Quinta's Citywide Advanced Transportation Management System Project.

An Advanced Transportation Management System will allow the City to communicate with all traffic signals at once, rather than in smaller localized groups. This will enable the City to synchronize all signals, optimizing the traffic flow throughout the City. Additionally, the Advanced Transportation Management System has the regional benefit of communicating with other agency signals across city boundaries. This will not only improve traffic within the City of La Quinta, but has the potential to improve traffic valley wide. Optimizing the traffic flow will reduce congestion and improve air quality.

The proposed improvements include upgrading all existing controllers to Ethernet Ready Traffic Controllers and installing Ethernet Wireless Radio Systems. Additionally, the City will need to upgrade the Traffic Control Center, including a dedicated work station, with the proper equipment to communicate with the signal controllers. A location map depicting the project is attached.

As defined within the attached CMAQ Application, the total estimated construction cost of the improvements is \$794,767. Considering the proposed Grant Funds in the amount of \$703,607, the total local contribution would be \$91,160. Per council action, the City of La Quinta is committed to providing the local share once the project is approved to receive the funds. Construction is expected to begin by 2016.

The City appreciates CVAG's consideration of our request for the MAP 21 CMAQ funds in the amount of \$703,607 toward the City of La Quinta's Citywide Advanced Transportation Management System Project. Please do not hesitate to contact Bryan McKinney, P.E., Principal Engineer, at (760) 777-7045 if you require additional information or clarification.

Sincerely,

Frank J. Spevacek
City Manager

April 1, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: MAP 21 CMAQ Call for Projects - City of La Quinta - Westward Ho Drive and Roadrunner Lane Mini Roundabout

Dear Ms. Wilson:

The City of La Quinta respectfully requests that the Coachella Valley Association of Governments (CVAG) consider the application of the MAP 21 Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$430,267 toward the City of La Quinta's Westward Ho Drive and Roadrunner Lane Mini Roundabout Project.

The proposed project will remove and replace the current 4-way stop with a one lane mini roundabout. The new mini roundabout will consist of an inscribed circular median centered on the existing intersection. The approaching lanes will be restriped to direct traffic efficiently into the new roundabout. The existing sidewalks will be realigned to match the new layout and designed to meet current ADA standards. A map depicting the project location is attached.

Replacing the existing 4-way stop with a new roundabout will reduce congestion and improve air quality. By making the intersection safer and more pedestrian friendly, the roundabout will encourage the use of non-motorized transportation, especially to the school nearby. Since this project is also in the City of Indio, they have agreed to submit this project as a joint application.

As defined within the attached CMAQ Application, the total estimated construction cost of the improvements is \$486,013. Considering the proposed Grant Funds in the amount of \$430,267, the total local contribution would be \$55,746. Per council action the City of La Quinta is committed to providing the local share once the project is approved to receive the funds. Construction is expected to begin by mid-2016.

The City appreciates CVAG's consideration of our request for the MAP 21 CMAQ funds in the amount of \$430,267 toward the City of La Quinta's Westward Ho Drive and Roadrunner Lane Mini Roundabout Project. Please do not hesitate to contact Bryan McKinney, P.E., Principal Engineer, at (760) 777-4045 if you require additional information or clarification.

Sincerely,

Frank J. Spevacek
City Manager

April 1, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: MAP 21 CMAQ Call for Projects - City of La Quinta - Madison Street and Avenue 58 Roundabout

Dear Ms. Wilson:

The City of La Quinta respectfully requests that the Coachella Valley Association of Governments (CVAG) consider the application of the MAP 21 Congestion Mitigation and Air Quality (CMAQ) funds in the amount of \$901,747 toward the City of La Quinta's Madison Street and Avenue 58 Roundabout Project.

The proposed project will remove and replace the current 4-way stop with a one lane roundabout. The new roundabout will consist of a raised circular median centered on the existing intersection. The existing sidewalks will be realigned to match the new layout and designed to meet current ADA standards. A map depicting the project location is attached.

Replacing the existing 4-way stop with a new roundabout will reduce congestion and improve air quality now and into the future. The traffic in this area is expected to greatly increase over the next 20 years due to new developments. Additionally, the roundabout will make the intersection safer and more pedestrian friendly, encouraging the use of non-motorized transportation, especially to the Lake Cahuilla Recreation Area.

As defined within the attached CMAQ Application, the total estimated construction cost of the improvements is \$1,018,578. Considering the proposed Grant Funds in the amount of \$901,747, the total local contribution would be \$116,831. Per council action the City of La Quinta is committed to providing the local share once the project is approved to receive the funds. Construction is expected to begin by mid-2016.

The City appreciates CVAG's consideration of our request for the MAP 21 CMAQ funds in the amount of \$901,747 toward the City of La Quinta's Madison Street and Avenue 58 Roundabout Project. Please do not hesitate to contact Bryan McKinney, P.E., Principal Engineer, at (760) 777-4045 if you require additional information or clarification.

Sincerely,

Frank J. Spevacek
City Manager



March 5, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: Commitment to the Local Match for the MAP 21 CMAQ Call for Projects: Traffic Signal Installation and Interconnect at Jefferson Street and Dunbar Drive

Dear Ms. Wilson:

The City of La Quinta has requested that the City of Indio support an application for a project that is proposed to be built within both of the City limits of La Quinta and Indio. This project is at the intersection of Jefferson Street and Dunbar Drive.

On March 5, 2014, the City Council voted to partner with the City of La Quinta to submit a joint application for the MAP 21 Congestion Mitigation and Air Quality (CMAQ) Grant for the Traffic Signal Installation and Interconnect at Jefferson Street and Dunbar Drive.

The total estimated construction cost of the improvements is \$444,807. The City of Indio respectfully requests the approval of \$380,679 in proposed CMAQ funds, with a corresponding local match of \$64,129. The City of Indio is committed to their share of this local match of \$24,661.

Please contact Grant Eklund, P.E, Public Works Director/City Engineer, at (760)391-4018 if you require additional information or clarification.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael Wilson".

Michael Wilson
Mayor

A handwritten signature in blue ink, appearing to read "Dan Martinez".

Dan Martinez
City Manager



March 5, 2014

Ms. Aurora Wilson
Director, Community Resources
Coachella Valley Association of Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Subject: Commitment to the Local Match for the MAP 21 CMAQ Call for Projects: Westward Ho Drive and Roadrunner Lane Mini Roundabout

Dear Ms. Wilson:

The City of La Quinta has requested that the City of Indio support an application for a project that is proposed to be built within both of the City limits of La Quinta and Indio. This project is at the intersection of Westward Ho Drive and Roadrunner Lane.

On March 5, 2014, the City Council voted to partner with the City of La Quinta to submit a joint application for the MAP 21 Congestion Mitigation and Air Quality (CMAQ) Grant for the Westward Ho Drive and Roadrunner Lane Mini Roundabout.

The total estimated construction cost of the improvements is \$486,013. The City of Indio respectfully requests the approval of \$430,267 in proposed CMAQ funds, with a corresponding local match of \$55,746. The City of Indio is committed to their share of this local match of \$27,873.

Please contact Grant Eklund, P.E, Public Works Director/City Engineer, at (760)391-4018 if you require additional information or clarification.

Sincerely,

Michael Wilson
Mayor

Dan Martinez
City Manager