

**TECHNICAL ADVISORY  
COMMITTEE  
REGULAR MEETING AGENDA**

*Local Governments and Citizens Working Together*

**TECHNICAL ADVISORY COMMITTEE (TAC)  
Regular Meeting  
Thursday, April 11, 2019, 9:00 AM**

**Yuma County – Aldrich Auditorium  
2351 West 26th Street  
Yuma, Arizona 85364**

**YMPO TAC MEMBERS**

- Chair Maggie Castro, Planning & Zoning Director, Yuma County
- Vice-Chair Eulogio Vera, Public Works Director City of San Luis
- Member Samuel Palacios, Public Works Director, City of Somerton
- Member Omar Heredia, Planner, Cocopah Indian Tribe
- Member Mark Hoffman, Senior Planner, ADOT
- Member Susan Cowey, CIP Administrator, City of Yuma
- Member Joseph Grant, Public Works Director, Town of Wellton
- Member Frank Sanchez, Interim County Engineer, Yuma County
- Member Jennifer Albers, Principal Planner, City of Yuma
- Member Jeff Kramer, City Engineer, City of Yuma

**YMPO TAC EX-OFFICIOS**

- YCIPTA Shelly Kreger
- CALTRANS Jacob Armstrong
- FHWA Romare Truly
- FTA Amy Corathers
- EPA Jerry Wamsley

**1. Call to Order and Declaration of Votes**

The meeting will be called to order and the City of Yuma will declare the number, and the distribution, of their votes.

**2. Title VI of the Civil Rights ACT of 1964..... Discussion and Information only**

Reminder to sign in at the meeting entrance and fill out the survey cards from the YMPO.

**3. Call to the Public**

This item is to provide an opportunity for comments by the public. Individuals wishing to address the committee need not request permission in advance and are limited to three (3) minutes.

4. **Approval of Minutes** ..... **Discussion and Possible Action**  
The draft minutes of March 14, 2019 TAC meeting are provided for information, discussion, and possible approval.
5. **YMPO 2018-2019 YMPO Bicycle and Pedestrian Study and Design Standards Update**..... **Information, Discussion, and/or Action**  
Greenlight Traffic Engineering will provide an update for the Bike/Ped Study and Design Standards
6. **YMPO Safety Plan Update**..... **Information, Discussion, and/or Action**  
Greenlight TE will provide an update for the Safety Plan.
7. **YMPO Traffic Count Study Update** ..... **Information, Discussion, and/or Action**  
Kimley-Horn will update the Traffic Count Study
8. **YMPO New TIP** ..... **Information and Discussion**  
YMPO members will have the opportunity to submit projects for consideration for the TIP
9. **Project Updates** ..... **Information and Discussion**  
YMPO staff and ADOT will provide any updates on the status of the current programming and/or any ongoing YMPO studies and projects that have not already been reported.
10. **In-kind Match Forms** ..... **Information and Discussion**  
YMPO uses In-Kind Match for the projects, studies, and all work that YMPO does that includes some type of matching funds.
11. **TAC Status Reports** ..... **Information and Discussion**  
Member agencies will have the opportunity to report the status of their projects (Local or Federal). A list of ongoing projects is shown in the information below.

Town of Wellton:  
Coyote Wash Bridge.

Yuma County:  
County 14th Street overlay, Avenue A to Avenue D.  
Bridge 7751: Wellton/Mohawk – 37E & County 6<sup>th</sup> Street  
Bridge 8865: Mohawk Canal Bridge – 46E & County 1 ½ Street

City of San Luis:  
Juan Sanchez Boulevard.

City of Yuma:

1<sup>st</sup> Avenue, 16<sup>th</sup> Street to Orange.  
16<sup>th</sup> Street, Avenue B to Avenue C.  
Avenue 9E Bike Lanes, North Frontage Road to 24<sup>th</sup> Street.  
4<sup>th</sup> Avenue, 32<sup>nd</sup> Street to 40<sup>th</sup> Street.

City of Somerton:  
Cesar Chavez Main Street to Jefferson.

ADOT:  
Araby Road Roundabout (South).

Cocopah Indian Tribe:

**12. Future Agenda Items .....Discussion**

Members will have the opportunity to suggest future items for the TAC agenda.

- A. Functional Classification.
- B. TIP Amendments
- C. Roads and Streets-April 17, 18, & 19, 2019

**13. Progress Reports.....Discussion**

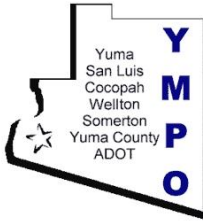
YMPO staff will provide a summary of recent activities.

- A. March 14 – YMPO TAC Meeting, Paul Ward, Charles Gutierrez, Melissa Ramos, De'Laurien McKenzie attended
- B. March 15 - STB meeting (Tucson) - Paul Ward attended
- C. March 18 - MCAS with traffic counts, De'Laurien McKenzie and Robert Aguilar conducted
- D. March 21 - ADOT, US-95/Avenue 8E meeting, Paul Ward and Charles Gutierrez attended
- E. March 21 - WACOG Aging and Disability meeting, De'Laurien McKenzie and Melissa Ramos attended
- F. March 25 - Discussion on Pavement Management, Paul Ward and De'Laurien McKenzie participated
- G. March 26 - Arizona Town Hall, Paul Ward attended.
- H. March 27 - Intersection of Aging and Transportation conference, Melissa Ramos attended
- I. March 27 – Yuma County Manager on ADOT Funding, Paul Ward participated
- J. March 27 - CAG Regional Council meeting, Paul Ward participated
- K. March 28 – YMPO Executive Board Meeting, Paul Ward, Charles Gutierrez, Crystal Figueroa, and De'Laurien McKenzie participated
- L. March 28 – YCIPTA Regional Short-Range Transit Plan
- M. April 1 – Yuma County Board of Supervisors, Paul Ward participated
- N. April 2 – City of Yuma Ricky Rinehart Autonomous Vehicles, Paul Ward attended
- O. April 3 – FHWA/FTA/ADOT UPWP/B Meeting, YMPO Staff participated

- P. April 4 – AZ Statewide Third Party (INRIX) Training Webinar, Paul Ward and Charles Gutierrez participated
- Q. April 7-10 – AzTA/ADOT Conference, Charles Gutierrez and Melissa Ramos attended
- R. April 8 – COG/MPO Planner’s Meeting, Charles Gutierrez and Paul Ward attended
- S. April 8 – COG/MPO Director’s Meeting, Paul Ward and Charles Gutierrez attended
- T. April 8 – RTAC Meeting, Paul Ward attended
- U. April 8 – AZ Mobility Manager’s Meeting, Charles Gutierrez and Melissa Ramos attended
- V. April 9 – ASCE Yuma Branch Luncheon, Paul Ward participated

**14. Adjournment**

*Notice: In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, YMPO does not discriminate on the basis of disability in the admission of or access to, or treatment or employment in, its programs, activities, or services. For information regarding rights and provisions of the ADA or Section 504, or to request reasonable accommodations for participation in YMPO programs, activities, or services, contact Paul Ward or Charles Gutierrez at 928-783-8911.*



**TECHNICAL ADVISORY  
COMMITTEE  
REGULAR MEETING MINUTES**

*Local Governments and Citizens Working Together*

**TECHNICAL ADVISORY COMMITTEE (TAC)  
Regular Meeting  
Thursday, March 14, 2019, 9:00 AM**

**Yuma County – Aldrich Auditorium  
2351 West 26th Street  
Yuma, Arizona 85364**

**YMPO TAC MEMBERS PRESENT**

Chair	Maggie Castro, Planning & Zoning Director, Yuma County
Vice-Chair	Eulogio Vera, Public Works Director City of San Luis
Member	Samuel Palacios, Public Works Director, City of Somerton
Member	Mark Hoffman, Senior Planner, ADOT
Member	Susan Cowey, CIP Administrator, City of Yuma
Member	Joseph Grant, Public Works Director, Town of Wellton
Member	Frank Sanchez, Interim County Engineer, Yuma County
Member	Jeff Kramer, City Engineer, City of Yuma

**YMPO TAC MEMBERS ABSENT**

Member	Omar Heredia, Planner, Cocopah Indian Tribe
Member	Jennifer Albers, Principal Planner, City of Yuma

**YMPO STAFF PRESENT**

Executive Director	Paul Ward
Senior Planning/Mobility Manager	Charles Gutierrez
Administrative Assistant	Melissa Ramos
Associate Planner	De' Laurien McKenzie

**1. Call to Order and Declaration of Votes**

YMPO TAC Chairwoman, Maggie Castro, called the meeting to order at 9:01 am. The City of Yuma declaration of votes: Jeff Kramer, 3 votes and Susan Cowey, 2 votes.

**2. Title VI of the Civil Rights ACT of 1964 ..... Discussion and Information only**

The hereby gives public notice that it is the Agency’s policy to assure full compliance with Title VI of the Civil Rights Act of 1964, Title II of the Americans with Disabilities Act of 1990 (ADA), and other related authorities in all of its programs and activities.

YMPO’s Title VI and ADA Programs require that no person shall, on the grounds of race, color, national origin, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity.

Any person, who believes his/her Title VI or ADA rights have been violated, may file a complaint. Any such complaint must be in writing and filed with the YMPO’s Civil Rights Office within one hundred eighty (180) days following the date of the alleged discriminatory occurrence. For additional information about YMPO’s Civil Rights program and the procedures to file a complaint contact YMPO Civil Rights Office via the information listed below.

This notice will be posted at every YMPO meeting.

**3. Call to the Public**

This item is to provide an opportunity for comments by the public. Individuals wishing to address the committee need not request permission in advance and are limited to three (3) minutes.

No public comments presented.

**4. Approval of Minutes ..... Discussion and Possible Action**

The draft minutes of February 14, 2019 TAC meeting were approved as presented.

Mark Hoffman motioned.

Eulogio Vera seconded.

Motioned carried unanimously

**5. Regional and Member Project Priorities ..... Information, Discussion, and/or Action**

Charles Gutierrez encouraged the TAC to submit regional and member projects. These projects will be presented, at a future RTAC meeting, in support of the proposed Transportation/Tax increase.

6. **YMPO 2018-2019 YMPO Bicycle and Pedestrian Study and Design Standards Update..... Information, Discussion, and/or Action**  
Charles Gutierrez and Gene Dalbey updated the TAC on public outreach that they have been taking part in. Charles Gutierrez and Robert Aguilar attended Wellton Pioneer Day's on February 23. Gene Dalbey attended a Bike Rodeo and distributed flyers. Charles Gutierrez and Marco Navarro attended the Yuma Air Show on March 9. Mike Blankenship encouraged everyone to share the Social Pinpoint for comments.

Surveys in English and Spanish

<https://www.surveymonkey.com/r/ympobicyclepedestriansurvey>

<https://www.surveymonkey.com/r/ympotransportationsafetyplansurvey>

Social Pinpoint Map for Comments

<https://gci.mysocialpinpoint.com/yuma-mpo#/>

7. **YMPO Safety Plan Update..... Information, Discussion, and/or Action**  
This item was moved ahead item 6  
Mike Blankenship, Greenlight TE, presented draft HSIP Applications. The potential HSIP projects for Yuma County are County 14<sup>th</sup> Street/Avenue 4E: Traffic Signal, \$650,000 cost of the project and a 10 B/C Ratio. Avenue G/County 11<sup>th</sup> Street: Convert to a curve (similar to County 8<sup>th</sup> Street/Somerton Avenue, \$1,500,00 (\$80,000 local match) and a 10 B/C Ratio. County 19<sup>th</sup> Street, Avenue G, Avenue 3E: Centerline Rumble Strips (22 miles), project cost \$400,000 and a 38 B/C Ratio. The potential HSIP projects for the City of Yuma are Giss Parkway/Castle Dome Road: Roundabout, \$4,400,000 project cost and a 6 B/C Ratio. 4<sup>th</sup> Avenue, 24<sup>th</sup> Street, 32<sup>nd</sup> Street: HAWKs (10 locations), \$4,000,000 project cost and a 15 B/C Ratio.

8. **YMPO Traffic Count Study Update..... Information, Discussion, and/or Action**  
No update available.

9. **YMPO New TIP .....Information and Discussion**  
YMPO members will have the opportunity to submit projects for consideration for the TIP.

In FY 2020, the City of Yuma would like to remove the Signal Backup Battery from the Federal dollars and will program the project with city funds. The project will be renamed Signal Light Rehab. FY 21 Signal Light Rehab construction will be from Local funds and the decision to keep the project into the TIP because the request is to transfer the said funds into another project and the thought was to keep the city project in the TIP to keep accountability to the city for requesting the said funds with the city project(s). The City would like to broaden the Scope of the Project of the 8thSt Corridor project from 6<sup>th</sup> St to 12<sup>th</sup> Street. In FY 21 the 8<sup>th</sup> St project will begin with the Design and Right of Way. FY 23 the city project will begin construction. FY 24 the city will phase in the second phase of the Construction project and in FY 25 the city project will complete all phases of

construction. The City of Yuma is requesting HURF Exchange program. The question was addressed to Mark Hoffman for the HURF timeline and the thought is the 3-year project from cradle to grave must be adhered, but YMPO will get a determination from Patrick Stone as to the actual guidance. IS HURF going to be an active source of funding or is this something that needs to be somewhat reserved on programming? Mark replied that this project is in FY 21 and that from ADOT's standpoint currently there is no plan on changing the HURF Exchange program at this time. The state has the capacity to continue the program and continue to make the conversions as necessary. Are the multiple phases in the City of Yuma's project might have an issue with the timeline and loans for this project? YMPO might have to secure loans to complete the construction a repayment will most likely occur outside of the programming schedule. FY 22 the Yuma County Ave B project wants to bring the Project together for the HURF funds and making the project In-House Design and move the HURF dollars forward to FY 22 for added construction dollars for \$900,000. YMPO will go ahead and with the new TIP program the FY 22 Yuma County Ave B project with the HURF dollars and be amended in the new TIP to reflect the in-house design and construction dollars. City of San Luis 24<sup>th</sup> Street project is in for start in FY 22 for design and construction in FY 25, but the issue is again HURF timeline. We have over-budgeted on this project and will have to figure ways to pay for this project.

YMPO will bring this back to the TAC at the next meeting to make recommendations to the TAC for recommended approval to the Executive Board.

**10. Project Updates .....Information and Discussion**

ADOT- The 5-year program is currently in the comment phase.

YMPO- Charles Gutierrez presented the Social Pinpoint map that is available on the YMPO website. The Social Pinpoint map is open for comments on the Bike/Pedestrian Study and the Safety Plan. Also, the Safety Plan Update surveys on the YMPO Website.

**11. In-kind Match Forms .....Information and Discussion**

YMPO staff reminded TAC members to complete and send, to YMPO staff, In-Kind Match Form when working on YMPO material. Blank In- Kind Match Forms can be found on the YMPO website, ympo.org under the TAC Agendas & Minutes tab.

**12. TAC Status Reports .....Information and Discussion**

Member agencies had the opportunity to report the status of their projects (Local or Federal). A list of ongoing projects is shown in the information below.

**Town of Wellton:**

Coyote Wash Bridge- Same status.

**Yuma County:**



**County 14th Street overlay, Avenue A to Avenue D-** The contractor is expected to start and finish this project next week and come back in April for the final thermal striping. Two Bridges (Wellton and Mohawk) ADOT will advertise for rehabilitation.

**City of San Luis:**

Juan Sanchez Boulevard- The environmental process is wrapping up. The City of San Luis has applied for ROW for State land along the Juan Sanchez corridor.

**City of Yuma:**

1<sup>st</sup> Avenue, 16<sup>th</sup> Street to Orange- Roadway reconstruction, water, and sewer improvements and communications infrastructure. Awarded to Cemex preconstruction meeting on March 21<sup>st</sup>.

Avenue 9E Bike Lanes, North Frontage Road to 24<sup>th</sup> Street- JOC contractor price due on March 15<sup>th</sup>. Anticipate Council award on April 3<sup>rd</sup> with Construction starting in late April to early May.

4<sup>th</sup> Avenue, 32<sup>nd</sup> Street to 40<sup>th</sup> Street- Project reconstructs existing two-lane roadway and adds a continuous two-way left turn lane. Portion of SB roadway must be removed and repaved due to failed pavement material. Anticipate construction completion in early April.

The City of Yuma is offering training opportunities, on March 19<sup>th</sup> an insurance and Bonds class, April 9<sup>th</sup> JOC Estimating/UOP class and on May 1<sup>st</sup> CMAR & DB Delivery class.

**City of Somerton:**

Cesar Chavez Main Street to Jefferson- 60% plans and design.

**ADOT:**

No update available.

**Cocopah Indian Tribe:**

No update available.

**13. Future Agenda Items .....Discussion**

Members had the opportunity to suggest future items for the TAC agenda.

- A. Functional Classification.
- B. TIP Amendments
- C. Roads and Streets-April 17, 18, & 19, 2019

**14. Progress Reports.....Discussion**

YMPO staff provided a summary of recent activities.

- A. February 14- YMPO TAC Meeting, YMPO Staff attended.

- B. February 14- STBG Meeting with City of San Luis, Eulogio Vera and Charles Gutierrez attended.
- C. February 15- State Transportation Board Meeting, Paul Ward attended.
- D. February 20- FTA Title VI Template Webinar, Charles Gutierrez attended.
- E. February 23- Wellton Pioneer Days, Charles Gutierrez and Robert Aguilar attended.
- F. February 25- MCAS Air Show Briefing, Charles Gutierrez attended.
- G. February 26- COG.MPO's Director's meeting, Paul Ward attend.
- H. February 27- Toward Zero Deaths National Highway Strategy on Highway Safety, Charles Gutierrez participated.
- I. February 27- FTA title VI Implementation Plan Template Webinar, Various YMPO Staff attended.
- J. February 28- YMPO Executive Board Meeting.
- K. March 6 – Travel Demand Model-KHA – Paul ward and Charles Gutierrez participated
- L. March 9 – USMC-YUMA Airshow – Charles Gutierrez, Paul Ward, and Marco Navarro participated
- M. March 11 – ADOT/MPO Coordination – Paul Ward and Charles Gutierrez participated
- N. March 12 – AZ Strategic Safety Plan Pedestrians – Charles Gutierrez participated
- O. March 13 – Towards Zero Death Webinar – Charles Gutierrez participated
- P. March 13 – Defense Access Roads – YPG -Paul Ward attended

**15. Adjournment**

Chairwomen Maggie Castro adjourned the TAC Meeting at 10:35 am.

*Notice: In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, YMPO does not discriminate on the basis of disability in the admission of or access to, or treatment or employment in, its programs, activities, or services. For information regarding rights and provisions of the ADA or Section 504, or to request reasonable accommodations for participation in YMPO programs, activities, or services, contact Paul Ward or Charles Gutierrez at 928-783-8911.*

Minutes Prepared By:

Minutes Submitted by:

Minutes approved by:

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Melissa Ramos, YMPO  
Administrative Assistant

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Charles Gutierrez, YMPO  
Senior Planning Manager

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Maggie Castro, YMPO  
TAC Chairwoman

# **YMPO INFORMATION SUMMARY for Agenda Item #5**

## **YMPO BICYCLE AND PEDESTRIAN STUDY AND DESIGN STANDARDS**

**DATE:** April 4, 2019

**SUBJECT:** YMPO Bicycle and Pedestrian Study and Design Standards Update

**SUMMARY:**

The YMPO has asked Greenlight Traffic Engineering to update the TAC on work that has been completed to this point for the Bike/Ped Study.

Highway Safety Improvement Projects (HSIP) submitted to ADOT TSS for Eligibility Review:

1. City of Yuma Wider Markings HSIP Package
2. County 11st Street Avenue G Curve HSIP Package
3. County 14th Street Ave E Signal HSIP Package
4. County 19th Street Ave G Rumble Strip HSIP Package
5. Giss Parkway Roundabout HSIP Package
6. San Luis 10th Ave HSIP Package
7. Wider Markings Yuma County HSIP Package
8. Yuma Flashing Arrow HSIP Package
9. Yuma PHB HSIP Package

**PUBLIC INPUT:**

There have been no public comments on this process to date.

**TECHNICAL & POLICY IMPLICATIONS:**

TECHNICAL: At this time, applications are for review for eligibility from ADOT

**ACTION NEEDED:**

This item is on the agenda for information and discussion

**PRIOR BOARD/COMMITTEE ACTIONS:**

N/A

**CONTACT PERSON:**

Charles A. Gutierrez, Senior Planning/Mobility Manager, 928-783-8911

# **YMPO INFORMATION SUMMARY for Agenda Item #6**

## **YMPO Safety Plan Update**

**DATE:** April 4, 2019

**SUBJECT:** YMPO Safety Plan Update

**SUMMARY:**

The YMPO has asked Greenlight Traffic Engineering to update the TAC on work that has been completed to this point for the Safety Plan Update.

Highway Safety Improvement Projects (HSIP) submitted to ADOT TSS for Eligibility Review:

1. City of Yuma Wider Markings HSIP Package
2. County 11st Street Avenue G Curve HSIP Package
3. County 14th Street Ave E Signal HSIP Package
4. County 19th Street Ave G Rumble Strip HSIP Package
5. Giss Parkway Roundabout HSIP Package
6. San Luis 10th Ave HSIP Package
7. Wider Markings Yuma County HSIP Package
8. Yuma Flashing Arrow HSIP Package
9. Yuma PHB HSIP Package

**PUBLIC INPUT:**

There have been no public comments on this process to date.

**TECHNICAL & POLICY IMPLICATIONS:**

TECHNICAL: At this time, applications are for review for eligibility from ADOT

**ACTION NEEDED:**

This item is on the agenda for information and discussion

**PRIOR BOARD/COMMITTEE ACTIONS:**

N/A

**CONTACT PERSON:**

Charles A. Gutierrez, Senior Planning/Mobility Manager, 928-783-8911

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma  
Project Name: Wider Pavement Markings on Arterials  
Project Location: Various Arterials

Dear Ms. Aglan-Swick:

The City of Yuma is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is for the installation of wider pavement markings (from 4-inch to 6-inch) on 67.9 miles of arterial streets experiencing fatal and serious injury crashes and does not include any non-infrastructure funding request. Installation of wider pavement markings addresses all crash types and all severities. This project will be completed by a licensed contractor; no ground disturbing activities or utility relocations are anticipated.

During the most recent five year period ending December 31, 2017, the City experienced 27 fatal and 110 incapacitating crashes on these 15 streets. With a Crash Reduction Factor (CRF) of 22% obtained from the CMF Clearinghouse for all crashes, the City could see a 5-year reduction of 5.94 fatal crashes and 25.3 serious injury crashes.

The City has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports Roadway Infrastructure, Speeding, and Lane Departure emphasis areas and supporting strategies for both of the SHSPs.

B/C Ratio = 17.9 (Element 44 in Application, Tab 2)

The City has estimated the total project cost of this project to be \$1,384,425. Of that amount request ADOT determine if \$1,384,425 is HSIP eligible, with no local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the City does not propose to contribute any match for the above mentioned project. Furthermore, the City is not requesting reimbursement for staff time for installation.

The City of Yuma is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to provided or secured by the City to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

The City agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and serious

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma

Project Name: Wider Pavement Markings on Arterials  
injury crashes.

The City further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the City will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at (928) 373-4529 or email [jeffrey.kramer@yumaaz.gov](mailto:jeffrey.kramer@yumaaz.gov).

Sincerely,

Jeffrey A. Kramer, PE, City Engineer  
City of Yuma Engineering  
155 West 14th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: County 11th at Avenue G Curve Flattening  
Project Location: County 11th at Avenue G

Dear Ms. Aglan-Swick:

Yuma County is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is to flatten a 90-degree curve, pave the shoulders through the curve, and install curve warning signs on County 11th Street at Avenue G, site of a fatal road departure crash. This project does not include any non-infrastructure funding request. This project will be completed by a licensed contractor and will require ground disturbing activities; utility relocations are anticipated.

During the most recent five year period ending December 31, 2018, this location experienced 1 fatal road departure crash. With a combined Crash Reduction Factor (CRF) of 88% obtained from the CMF Clearinghouse for fatal road departure crashes, this location could see a 5-year reduction of 0.88 fatal crashes.

The County has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports Roadway Infrastructure and Lane Departure emphasis areas and supporting strategies for both of the SHSPs. B/C Ratio = 8.8 (Element 44 in Application, Tab 2)

The County has estimated the total project cost of this project to be \$1,836,844. Of that amount request ADOT determine if \$1,732,293 is HSIP eligible, with \$104,551 in local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 94.3% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the County proposes to contribute \$104,551 in local match for the above mentioned project. Furthermore, the County is not requesting reimbursement for staff time for installation.

Yuma County is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to provided or secured by the County to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

Yuma County agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the onuntermeasure on fatal and



**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: County 11th at Avenue G Curve Flattening  
serious injury crashes.

The County further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the County will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at 928-817-5120 or email [francisco.sanchez@yumacountyaz.gov](mailto:francisco.sanchez@yumacountyaz.gov).

Sincerely,

Frank Sanchez, PE, Deputy County Engineer  
Yuma County Dept. of Development Services  
2351 W. 26th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: County 14th St/Avenue 4E Traffic Signal  
Project Location: County 14th St/Avenue 4E

Dear Ms. Aglan-Swick:

Yuma County is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is to install a traffic signal and left-turn lanes at the intersection of County 14th Street and Avenue 4E, site of a fatal and serious injury angle crash. This project does not include any non-infrastructure funding request. This project will be completed by a licensed contractor and will require ground disturbing activities; utility relocations are anticipated.

During the most recent five year period ending December 31, 2018, this location experienced 1 fatal and 1 serious injury angle crash. With a Crash Reduction Factor (CRF) of 77% obtained from the CMF Clearinghouse for fatal and serious injury angle crashes, this location could see a 5-year reduction of 0.77 fatal crashes and 0.77 serious injury crashes.

The County has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports Roadway Infrastructure and Intersection emphasis areas and supporting strategies for both of the SHSPs. B/C Ratio = 11.2 (Element 44 in Application, Tab 2)

The County has estimated the total project cost of this project to be \$1,257,375. Of that amount request ADOT determine if \$1,211,889 is HSIP eligible, with \$45,486 in local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 94.3% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the County proposes to contribute \$45,486 in local match for the above mentioned project. Furthermore, the County is not requesting reimbursement for staff time for installation.

Yuma County is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to be provided or secured by the County to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

Yuma County agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: County 14th St/Avenue 4E Traffic Signal  
serious injury crashes.

The County further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the County will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at 928-817-5120 or email [francisco.sanchez@yumacountyaz.gov](mailto:francisco.sanchez@yumacountyaz.gov).

Sincerely,

Frank Sanchez, PE, Deputy County Engineer  
Yuma County Dept. of Development Services  
2351 W. 26th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: County 19th St, Avenue G Centerline Rumble Strips  
Project Location: County 19th St, Avenue G

Dear Ms. Aglan-Swick:

Yuma County is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is to install centerline rumble strips on County 19th Street and on Avenue G, roads with fatal and serious injury lane departure crashes. This project does not include any non-infrastructure funding request. This project will be completed by a licensed contractor and will require ground disturbing activities; no utility relocations are anticipated.

During the most recent five year period ending December 31, 2018, these roads experienced 2 fatal and 2 serious injury lane departure crashes. With a Crash Reduction Factor (CRF) of 29% obtained from the CMF Clearinghouse for fatal and serious injury lane departure crashes, this location could see a 5-year reduction of 0.58 fatal crashes and 0.58 serious injury crashes.

The County has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports Roadway Infrastructure and Intesection emphasis areas and supporting strategies for both of the SHSPs. B/C Ratio = 28.5 (Element 44 in Application, Tab 2)

The County has estimated the total project cost of this project to be \$443,625. Of that amount request ADOT determine if \$443,625 is HSIP eligible, with no local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the County proposes to contribute no local match for the above mentioned project. Furthermore, the County is not requesting reimbursement for staff time for installation.

Yuma County is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to provided or secured by the County to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

Yuma County agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the onuntermeasure on fatal and

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County

Project Name: County 19th St, Avenue G Centerline Rumble Strips  
serious injury crashes.

The County further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the County will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at 928-817-5120 or email [francisco.sanchez@yumacountyaz.gov](mailto:francisco.sanchez@yumacountyaz.gov).

Sincerely,

Frank Sanchez, PE, Deputy County Engineer  
Yuma County Dept. of Development Services  
2351 W. 26th Street Yuma, AZ 85364  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
Study/RSA Reports  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma  
Project Name: Giss Parkway/8th Street/Castle Dome Road Roundabout  
Project Location: Giss Parkway/8th Street/Castle Dome Road

Dear Ms. Aglan-Swick:

The City of Yuma is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is for the construction of a modern 2-lane roundabout at the intersection of Giss Parkway, 8th Street, and Castle Dome Road and does not include any non-infrastructure funding request. A roundabout will help address the speed-related fatal crashes occurring at this intersection. A licensed contractor will complete this project. There will be ground disturbing activities; no utility relocations are anticipated.

During the most recent five year period ending December 31, 2017, this intersection experienced 2 fatal crashes. With a Crash Reduction Factor (CRF) of 74% obtained from the CMF Clearinghouse for all crashes and severities, this intersection could see a 5-year reduction of 1.48 fatal crashes.

The City has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports the Intersection emphasis area and supporting strategies for both of the SHSPs.  
B/C Ratio = 9.0 (Element 44 in Application, Tab 2)

The City has estimated the total project cost of this project to be \$3,045,000. Of that amount request ADOT determine if \$3,045,000 is HSIP eligible, with no local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the City does not propose to contribute any match for the above mentioned project. Furthermore, the City is not requesting reimbursement for staff time for installation.

The City of Yuma is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to be provided or secured by the City to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

The City agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and serious injury crashes.

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma

Project Name: Giss Parkway/8th Street/Castle Dome Road Roundabout

The City further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the City will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at (928) 373-4529 or email [jeffrey.kramer@yumaaz.gov](mailto:jeffrey.kramer@yumaaz.gov).

Sincerely,

Jeffrey A. Kramer, PE, City Engineer  
City of Yuma Engineering  
155 West 14th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of San Luis  
Project Name: 10th Avenue Curve Flattening at Los Alamos Street  
Project Location: 10th Avenue at Los Alamos Street

Dear Ms. Aglan-Swick:

The City of San Luis is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is to flatten a 90-degree curve, pave the shoulders through the curve, and install curve warning signs on 10th Avenue at Los Alamos Street, site of a fatal head-on crash. This project does not include any non-infrastructure funding request. This project will be completed by a licensed contractor and will require ground disturbing activities; some utility poles may need to be relocated.

During the most recent five year period ending December 31, 2018, this location experienced 1 fatal crash. Please note that the crash location is miscoded in the ADOT ACIS database; the police crash report is attached for crash location verification. With a combined Crash Reduction Factor (CRF) of 88% obtained from the CMF Clearinghouse for fatal lane departure crashes, this location could see a 5-year reduction of 0.88 fatal crashes.

The City has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports the Roadway Infrastructure and Lane Departure emphasis areas and supporting strategies for both of the SHSPs. B/C Ratio = 9.9 (Element 44 in Application, Tab 2)

The City has estimated the total project cost of this project to be \$1,657,031. Of that amount request ADOT determine if \$1,562,730 is HSIP eligible, with \$94,031 in local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 94.3% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the City proposes to contribute the 5.7% local match of \$94,031 for the above mentioned project. Furthermore, the City is not requesting reimbursement for staff time for installation.

The City is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to provided or secured by the City to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

The City agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and serious injury crashes.



**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of San Luis

Project Name: 10th Avenue Curve Flattening at Los Alamos Street

The City further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the City will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at (928) 341-8577 or email [evera@cityofsanluis.org](mailto:evera@cityofsanluis.org).

Sincerely,

Eulogio Vera, Public Works Director  
City of San Luis  
1090 E. Union Street  
San Luis, AZ 85349

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: Wider Pavement Markings  
Project Location: Various County Roads

Dear Ms. Aglan-Swick:

Yuma County is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is for the installation of wider pavement markings, going from 4-inch to 6-inch markings on 128.9 miles of County roads experiencing fatal and serious injury crashes and does not include any non-infrastructure funding request. Installation of wider pavement markings addresses all crash types and all severities. This project will be completed by a licensed contractor; no ground disturbing activities or utility relocations are anticipated.

During the most recent five year period ending December 31, 2018, the County experienced 38 fatal and 64 incapacitating crashes on these 19 roads. With a Crash Reduction Factor (CRF) of 22% obtained from the CMF Clearinghouse for all crashes, the County could see a 5-year reduction of 8.36 fatal crashes and 14.08 serious injury crashes.

The County has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports Roadway Infrastructure, Speeding, and Lane Departure emphasis areas and supporting strategies for both of the SHSPs.

B/C Ratio = 12.0 (Element 44 in Application, Tab 2)

The County has estimated the total project cost of this project to be \$2,590,875. Of that amount request ADOT determine if \$2,590,875 is HSIP eligible. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the County does not propose to contribute any match for the above mentioned project. Furthermore, the County is not requesting reimbursement for staff time for installation.

Yuma County is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to provided or secured by the County to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

Yuma County agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the onuntermeasure on fatal and

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: Yuma County  
Project Name: Wider Pavement Markings  
serious injury crashes.

The County further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the County will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at 928-817-5120 or email [francisco.sanchez@yumacountyaz.gov](mailto:francisco.sanchez@yumacountyaz.gov).

Sincerely,

Frank Sanchez, PE, Deputy County Engineer  
Yuma County Dept. of Development Services  
2351 W. 26th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma  
Project Name: Installation of Flashing Yellow Arrow  
Project Location: 32nd St/Avenue 7E  
32nd St/Avenue 8 1/2 E  
32nd St/Pacific Ave (Avenue 2E)  
12th St/Avenue B  
24th St/Avenue C  
24th St/18th Ave  
32nd St (SR 8B)/Avenue 3 1/2 E  
8th St/Avenue A

Dear Ms. Aglan-Swick:

The City of Yuma is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is for the installation of flashing yellow arrow (FYA) traffic signals at 8 intersections experiencing fatal and serious injury left-turn crashes and does not include any non-infrastructure funding request. FYAs will help address the left-turn crashes occurring at these intersections. A licensed contractor will complete this project. No utility relocations are anticipated; no ground disturbing activities beyond those potentially necessary for new signal pole foundations are anticipated.

During the most recent five year period ending December 31, 2018, these intersections experienced 2 fatal and 10 serious injury left-turn crashes. With a Crash Reduction Factor (CRF) of 19% obtained from the CMF Clearinghouse for left-turn crashes, these intersections could see a 5-year reduction of 0.38 fatal crashes and 1.9 serious injury crashes.

The City has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports the Intersection emphasis area and supporting strategies for both of the SHSPs.  
B/C Ratio = 5.6 (Element 44 in Application, Tab 2)

The City has estimated the total project cost of this project to be \$1,128,750. Of that amount request ADOT determine if \$1,128,750 is HSIP eligible, with no local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the City does not propose to contribute any match for the above mentioned project. Furthermore, the City is not requesting reimbursement for staff time for installation.

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma  
Project Name: Installation of Flashing Yellow Arrow

The City of Yuma is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to be provided or secured by the City to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

The City agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and serious injury crashes.

The City further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the City will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at (928) 373-4529 or email [jeffrey.kramer@yumaaz.gov](mailto:jeffrey.kramer@yumaaz.gov).

Sincerely,

Jeffrey A. Kramer, PE, City Engineer  
City of Yuma Engineering  
155 West 14th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
B/C Ratio and Crash Data

## AGENCY LETTERHEAD

April 3, 2019

Ms. Mona Aglan-Swick, P.E.  
Transportation Systems Management & Operations, Traffic Safety  
Arizona Department of Transportation  
1615 W. Jackson ST., MD 065R  
Phoenix, AZ 85007-3217

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma  
Project Name: Pedestrian Hybrid Beacons on 4th Ave, 32nd St, and 24th St  
Project Location: 4th Ave/Court St  
4th Ave between 4th St and 5th St  
4th Ave between 12th St and 13th St  
32nd St at Chiquita Dr/Chevy Ln  
24th St and 6th Ave  
Giss Pkwy between 1st Ave and Madison St

Dear Ms. Aglan-Swick:

The City of Yuma is submitting herewith a project application for Highway Safety Improvement Program (HSIP) funding. This road safety improvement project was identified through the YMPO network crash data screening process and meets all requirements of Title 23. The proposed request is for the installation of pedestrian hybrid beacons (PHBs) at 6 locations experiencing fatal and serious injury pedestrian crashes and does not include any non-infrastructure funding request. PHBs will help address the pedestrian crashes occurring at these locations. A licensed contractor will complete this project. There will be ground disturbing activities; no utility relocations are anticipated.

During the most recent five year period ending December 31, 2018, these locations experienced 4 fatal and 5 serious injury pedestrian crashes. With a Crash Reduction Factor (CRF) of 69% obtained from the CMF Clearinghouse for pedestrian crashes, these intersections could see a 5-year reduction of 2.76 fatal crashes and 3.45 serious injury crashes

The City has determined that, in accordance with 23 USC 148(a)(4)(A), this project is consistent with the YMPO and State's 2014 SHSP. It supports the Pedestrian emphasis area and supporting strategies for both of the SHSPs.  
B/C Ratio = 15.2 (Element 44 in Application, Tab 2)

The City has estimated the total project cost of this project to be \$2,472,750. Of that amount request ADOT determine if \$2,472,750 is HSIP eligible, with no local match. In accordance with Title 23, the Federal share for this safety improvement item is eligible to be funded at 100% Federal share per 23 U.S.C. 120(c) as described in Code of Federal Register 23 CFR Part 924. Therefore, the City does not propose to contribute any match for the above mentioned project. Furthermore, the City is not requesting reimbursement for staff time for installation.

**RE: Highway Safety Improvement Program (HSIP) Project Determination and Application**

Agency: City of Yuma

Project Name: Pedestrian Hybrid Beacons on 4th Ave, 32nd St, and 24th St

The City of Yuma is aware that, if funded, additional HSIP funds above the attached estimated cost are not available to pay for excess costs and that other funds whether STP, local or other will have to be provided or secured by the City to cover the additional costs or the project will have to be withdrawn and resubmitted in the next call-for-projects.

The City agrees to conduct and provide to ADOT TSS on a yearly basis a written before-and-after study utilizing the same crash data included in the countermeasure influence area in order to determine the effectiveness of the countermeasure on fatal and serious injury crashes.

The City further understands that Federal funds can only be used once to install or upgrade either a spot or systemic countermeasure and that once installed, the City will maintain the countermeasure at or above the standard to which it was installed.

If you have any questions, please contact me at (928) 373-4529 or email [jeffrey.kramer@yumaaz.gov](mailto:jeffrey.kramer@yumaaz.gov).

Sincerely,

Jeffrey A. Kramer, PE, City Engineer  
City of Yuma Engineering  
155 West 14th Street  
Yuma, AZ 85364

Attachments: Application (excel format) to include cost estimate, vicinity map and/or list of locations  
Study/RSA Reports  
B/C Ratio and Crash Data

# **YMPO INFORMATION SUMMARY for Agenda Item #7**

## **YMPO Traffic County Study**

**DATE:** April 4, 2019

**SUBJECT:** YMPO Bicycle and Pedestrian Study and Design Standards Update

**SUMMARY:**

The YMPO has asked Kimley-Horn and Associates to update the TAC on work that has been completed to this point for the Traffic Count Network Study.

**PUBLIC INPUT:**

There have been no public comments on this process to date.

**TECHNICAL & POLICY IMPLICATIONS:**

TECHNICAL: N/A

**ACTION NEEDED:**

This item is on the agenda for information and discussion

**PRIOR BOARD/COMMITTEE ACTIONS:**

N/A

**CONTACT PERSON:**

Charles A. Gutierrez, Senior Planning/Mobility Manager, 928-783-8911



# **YMPO INFORMATION SUMMARY for Agenda Item #8**

## **YMPO 2019-2024 TIP**

**DATE:** April 4, 2019

**SUBJECT:** The YMPO 2018-2024 Transportation Improvement Program (TIP)

**SUMMARY:**

### **STATUTORY CITATION**

FAST Act § 1109; 23 U.S.C. 133

The YMPO is evolving to be doing a Transportation Improvement Program with a 2-year cycle year and will be going out to the TAC and finally approval to the Executive Board. Each year the YMPO receives approximately \$1,080,229 of Apportionment and with Obligation Authority (OA) Rate at 94.9% in the amount of \$1,025,137 or a HURF Exchange rate of 90/10% Split which equates to \$922,656.

YMPO currently has programmed out to FY 2022 in the YMPO 2018-2022 TIP. YMPO would like to begin the process of programming out for 2023 and 2024. We currently have to program **\$1,025,137** (OA Rate) for FY 2023 and FY 2024. At the January 2019 YMPOTAC meeting a call projects was made. Projects that are currently in the Regional Transportation Plan (RTP) and have the Air Quality (AQ) Conformity Analysis completed will be considered viable projects. The Project can also not be included in the RTP and AQ portion but will need to be included in the RTP and AQ process to accept any Federal funds if it is a capacity project for the roadway.

Projects to be considered: Highways, Infrastructure-based ITS capital projects, planning, design, construction of roadways, these are a small portion of the related fields that could be STBG funded. Please see the below links to see more options

### **SPECIAL FEDERAL-AID FUNDING**

**Surface Transportation Block Grant Program (STBG)**

<https://www.fhwa.dot.gov/specialfunding/stp/>

**Surface Transportation Block Grant Program FACT SHEET**

<https://www.fhwa.dot.gov/fastact/factsheets/stbgfs.cfm>

**Surface Transportation Block Grant (STBG) Implementation Guidance**

<https://www.fhwa.dot.gov/specialfunding/stp/160307.cfm>

**Eligibility of Construction and Highway Safety Equipment Acquisition Costs as a Direct Charge**

<https://www.fhwa.dot.gov/construction/contracts/170908.cfm>

#### Tentative Schedule:

- January 2019: Call for Projects
- February 4, 2019: Re-Balancing of Current TIP & Submission of New TIP Projects to YMPO – Mini DCR, other pertinent data
- February 14, 2019: TAC Meeting to recommend Project(s) for TIP Project Presentations if needed
- March 2019: TIP Approval and 30-day Start of Public Comment
- April/May 2019: Submission to YMPO Executive Board for Approval
- May/June 2019: Submission of TIP to ADOT

We have programmed years on the current TIP

- FY 2019
- FY 2020
- FY 2021
- FY 2022

YMPO and ADOT have collaboratively come up with a couple scenarios for the programming of the City of San Luis and the City of Yuma's submission for 23/24 years

Either way it will require YMPO to secure loans in future years and paybacks in future years.

We are including spreadsheets from YMPO and ADOT.

#### **PUBLIC INPUT:**

There have been no public comments on this process, to date.

#### **TECHNICAL & POLICY IMPLICATIONS:**

TECHNICAL: N/A at this time until further technical issues are explored, and the process agreed upon by all members.

#### **ACTION NEEDED:**

YMPO is asking the members for a motion to recommend approval of new projects currently at this time for inclusion in the YMPO FY 2021-2024 Transportation Improvement Program (TIP).

Note: YMPO Staff will bring the entire FY 21-24 TIP to the TAC for recommended approval at for the Start of the 30-day Public Comment period prior to recommendation to the YMPO Executive Board.

#### **PRIOR BOARD/COMMITTEE ACTIONS:**

#### **CONTACT PERSON:**

Charles A. Gutierrez, Senior Planning/Mobility Manager, 928-783-8911

YMPO STBG Ledger 2020 - 2025

3/15/2019

Action	OA Rate	Projected Fed Funds		Cumulative Balance	
		Apportionment	OA	Apportionment	OA
FFY 2020 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,080,229	\$1,025,137
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,075,229	\$1,020,137
Repayment in from ....		\$118,995	\$118,995	\$1,194,224	\$1,139,132
Somerton Cesar Chavez Ave (HURF)		-\$777,777	-\$777,777	\$416,447	\$361,355
Yuma County Ave B Mill/Fill (HURF)(D)		-\$135,000	-\$135,000	\$281,447	\$226,355
<b>Balance</b>				<b>\$281,447</b>	<b>\$226,355</b>
FFY 2021 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,361,676	\$1,251,493
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,356,676	\$1,246,493
8th St & Pacific Ave Improvement (HURF)(D)		-\$565,800	-\$565,800	\$790,876	\$680,693
8th St & Pacific Ave Improvement (HURF)(R)		-\$377,200	-\$377,200	\$413,676	\$303,493
<b>Balance</b>				<b>\$413,676</b>	<b>\$303,493</b>
FFY 2022 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,493,905	\$1,328,630
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,488,905	\$1,323,630
Yuma County Ave B Mill/Fill (HURF)		-\$675,000	-\$675,000	\$813,905	\$648,630
San Luis County 24th Street (HURF?)(D)		-\$225,000	-\$225,000	\$588,905	\$423,630
<b>Balance</b>				<b>\$588,905</b>	<b>\$423,630</b>
FFY 2023 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,669,134	\$1,448,767
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,664,134	\$1,443,767
Loan In		\$556,233	\$556,233	\$2,220,367	\$2,000,000
8th St & Pacific Ave Improvement (HURF)		-\$2,000,000	-\$2,000,000	\$220,367	\$0
<b>Balance</b>				<b>\$220,367</b>	<b>\$0</b>
FFY 2024 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,300,596	\$1,025,138
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,295,596	\$1,020,138
Loan Repayment		-\$556,233	-\$556,233	\$739,363	\$463,905
<b>Balance</b>				<b>\$739,363</b>	<b>\$463,905</b>
FFY 2025 Allocation	94.9% *	\$1,080,229	\$1,025,137	\$1,819,592	\$1,489,042
Tech Transfer (LTAP)		-\$5,000	-\$5,000	\$1,814,592	\$1,484,042
San Luis County 24th Street (HURF?)		-\$1,930,562	-\$1,930,562	-\$115,970	-\$446,520
<b>Balance</b>				<b>-\$115,970</b>	<b>-\$446,520</b>

\* Current OA Rate of 94.9% used for FFY2019 and is subject to change.

OA = Obligation Authority. This is the amount that is reimbursable by the federal government  
 STBG = Surface Transportation Block Grant

FY 2020-2024 Yuma Metropolitan Planning Organization  
Transportation Improvement Program

TIP Number	Fiscal Year	Agency	Project Location	Project Description	Length	Functional Classification	Lanes Before	Lanes After	Fed Aid	Federal \$	HURF	Local \$	Total \$	Running Balance	Notes
SOM-18-01C	2020	Somerton	Cesar Chavez Ave (Ave F): Cano St to Fulton St	Construction	0.5	Urban Major Collector	2	3	HURF	\$777,778	\$700,000		\$777,778	\$777,778	Will request HURF swap funds
YC-20-01D	2020	Yuma Co.	Ave B: 24th St to 32nd St	Mill and Overlay	1	Principal Arterial	4	4	Local			\$135,000	\$135,000		Will request HURF swap funds
COY-20-02D	2020	Yuma	Various Signalized Intersections	Signal Light Rehab	0	Principal Arterials			Local			\$71,330	\$71,330		Using local funds to replace federal, loc
	2020	ADOT	I-8: Ave 36E - MP 46	Pavement Rehabilitation	9				NHPP	\$16,502,500		\$997,500	\$17,500,000		
YMPO-20-1	2020	YMPO	LTAP	Training					STBG	\$5,000			\$5,000	\$5,000	1025137
<b>Fed Total</b>	<b>2020</b>	<b>Totals</b>								<b>\$17,285,278</b>	<b>\$700,000</b>	<b>\$1,203,830</b>	<b>\$782,778</b>		
total Program	2020	Proposed											\$18,489,108	\$242,359	Left-STBG
	2020	Remainder													
COY-21-01D	2021	Yuma	8th St Corridor: 6th St to 12th St	Reconstruct/widen corridor segments	1.25	Minor Arterial	2	4	HURF	\$565,800	\$509,220	\$0	\$565,800	\$565,800	
COY-21-01RW	2021	Yuma	8th St Corridor: 6th St to 12th St	Reconstruct/widen corridor segments	1.25	Minor Arterial	2	4	HURF	\$377,200	\$339,480	\$0	\$377,200	\$377,200	
COY-20-02C	2021	Yuma	Various Signalized Intersections	Signal Light Rehab	0	Principal Arterials			Local			\$260,089	\$260,089		Using local funds to replace federal, loc
YMPO-21-1	2021	YMPO	LTAP	Training					STBG	\$5,000			\$5,000	\$5,000	
<b>Fed Total</b>	<b>2021</b>	<b>Totals</b>								<b>\$382,200</b>	<b>\$848,700</b>	<b>\$260,089</b>	<b>\$948,000</b>	<b>\$77,137</b>	Left-STBG
YC-20-01D	2022	Yuma Co.	Ave B: 24th St to 32nd St		1	Principal Arterial	4	4	HURF	\$900,000	\$810,000		\$900,000	\$900,000	Will request HURF swap funds
SAN-22-01D	2022	San Luis	Co. 24th St: 10th Ave (Ave F) to Ave H	New/extend existing road	1.7	Local Dirt	0	2	STBG	\$225,000		\$13,600	\$238,600	\$225,000	
	2022	ADOT	MP .1 - MP 31 Various Bridges	Construct Bridge Deck Rehabilitation	31				NHPP	\$4,243,500		\$256,500	\$4,500,000	\$4,243,500	
YMPO-22-1	2022	YMPO	LTAP	Training					STBG	\$5,000			\$5,000	\$5,000	
<b>Fed Total</b>	<b>2022</b>	<b>Totals</b>								<b>\$5,373,500</b>	<b>\$810,000</b>	<b>\$270,100</b>	<b>\$5,643,600</b>	<b>-\$104,863</b>	STBG--Over Budget
	2022	Proposed								\$5,373,500		\$764,820	\$5,643,600		
	2022	Remainder											\$5,373,500		
COY-21-01C1	2023	Yuma	8th St Corridor: 6th St to 12th St	Reconstruct/widen corridor segments	1.25	Minor Arterial	2	4	HURF	\$670,000	\$603,000	\$500,000	\$1,103,000	\$670,000	
YMPO-23-1	2023	YMPO	LTAP	Training					STBG	\$5,000			\$5,000	\$5,000	
<b>Fed Total</b>	<b>2023</b>	<b>Totals</b>								<b>\$675,000</b>	<b>\$603,000</b>	<b>\$500,000</b>	<b>\$675,000</b>	<b>\$350,137</b>	Left over STBG
													\$1,108,000		
COY-21-01C2	2024	Yuma	8th St Corridor: 6th St to 12th St	Reconstruct/widen corridor segments	1.25	Minor Arterial	2	4	STBG	\$665,000	\$598,500	\$500,000	\$1,098,500	\$665,000	
SAN-12-07C	2024	San Luis	Juan Sanchez Blvd: US-95 to Ave E 1/2	Widen from 2 lanes to 4 lanes	4	Urban Minor Arterial	2	4					\$0		Not currently funded
YMPO-24-1	2024	YMPO	LTAP	Training					STBG	\$5,000			\$5,000	\$5,000	
	2024	<b>Totals</b>								<b>\$670,000</b>		<b>\$500,000</b>	<b>\$1,103,500</b>	<b>\$355,137</b>	Left over STBG
													\$1,103,500		
COY-21-01C3	2025	Yuma	8th St Corridor: 6th St to 12th St	Reconstruct/widen corridor segments	1.25	Minor Arterial	2	4	STBG	\$665,000		\$500,000	\$1,165,000		
YMPO-25-1	2025	YMPO	LTAP	Training					STBG	\$5,000			\$5,000		
SAN-22-01C	2025	San Luis	Co. 24th St: 10th Ave (Ave F) to Ave H	New/extend existing road	1.7	Local Dirt	0	2	HURF	\$1,025,137		\$967,390	\$1,992,527		Will request HURF swap funds
	2025	<b>Totals</b>											\$0		

Leftover

FY 2020 \$242,359.00

FY 2021 \$77,137.00

FY 2020-2024 Yuma Metropolitan Planning Organization  
Transportation Improvement Program

TIP Number	Fiscal Year	Agency	Project Location	Project Description	Length	Functional Classification	Lanes Before	Lanes After	Fed Aid	Federal \$	HURF	Local \$	Total \$	Running Balance	Notes	
				FY 2022												
				FY 2023												
				FY 2024												
				over 5 years												

Operations & Maintenance

Projected Maintenance Expenditures

	FY 20	FY 21	FY 22	FY 23	FY 24
City of Yuma	\$7,160,639	\$7,160,639	\$7,160,639		
Yuma County	\$6,133,193	\$6,133,193	\$6,133,193		
City of San Luis	\$822,000	\$822,000	\$822,000		
City of Somerton	\$45,000	\$45,000	\$45,000		
Town of Wellton	\$23,000	\$23,000	\$23,000		
<b>TOTAL</b>	\$14,183,832	\$14,183,832	\$14,183,832		

**Yuma Metropolitan Planning Organization  
In-Kind Sheet**

The Yuma Metropolitan Planning Organization (YMPO) is largely funded by grants from the federal government. For many of these grants, we are required to provide non-federal matches (state, local, and industry in-kind matches). This means that the value of your time and any expenses you may incur while attending a meeting or working on any items pertaining to the YMPO can be used to match our grants. This is only the value of your time, no actual cash is required. Your match is important to the YMPO program and in-kind matches from the industry and other participants help demonstrate the type of voluntary activity that has value and other constituencies in and outside of Yuma County.

Before Leaving this meeting please fill out this form and leave it with the Executive Assistant. Please take additional copies to record the time you may have spent outside the meetings to work on YMPO activities.

DATE	HOURS	MILEAGE	OTHER TRAVEL	LODGING	OTHER	PURPOSE/ ACTIVITY
TOTALS						YMPO Office Use: Total Wage:                      Total Mileage:

Mileage is based on .445/mile

Hourly wage is based off of OES Metropolitan and Nometropolitan Area Occupational Employment Wage Estimates for Yuma, AZ May 2011

YMPO OFFICE USE - OES RATE:

YMPO OFFICE USE:

TOTAL IN-KIND CONTRIBUTION:

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
ORGANIZATION

\_\_\_\_\_  
TELEPHONE NUMBER

\_\_\_\_\_  
DATE SIGNED