



U.S. Department
of Transportation
**Federal Highway
Administration**

ARIZONA DIVISION

4000 North Central Avenue
Suite 1500
Phoenix, Arizona 85012-3500
(602) 379-3646
Fax: (602) 382-8998
<http://www.fhwa.dot.gov/azdiv/index.htm>

July 9, 2019

In Reply Refer To:
(TRAP 37 - STIP)
Arizona FY 2019-2023
Statewide Transportation Improvement Program (STIP)
Approval of Amendment No. 26

Mr. Gregory Byres, Division Director
Multimodal Planning Division
Arizona Department of Transportation, (300B)
Phoenix, Arizona 85007

Dear Mr. Byres:

We have reviewed your June 17, 2019 request to amend the FY 2019-2023 Statewide Transportation Improvement Program (STIP) to include the enclosed list of projects approved as an amendment to the FY 2019-2024 Transportation Improvement Program by the Lake Havasu Metropolitan Planning Organization Executive Board on May 14, 2019.

We accept this Amendment in accordance with 23 CFR 450 and find that this STIP amendment was developed based on a continuing, cooperative and comprehensive transportation planning process in accordance with the 23 USC 134 and Section 5303 of the Federal Transit Act (49 USC 53). The changes made to the program by this amendment are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126].

This letter constitutes approval and inclusion of Amendment 26 into the Arizona FY 2019-2023 Statewide Transportation Improvement Program (STIP). Our approval is based upon the Arizona Department of Transportation's assurance that the funding for the projects in this amendment will not adversely impact the STIP Financial Plan. Please note that this letter constitutes approval of the amendment with the understanding that FTA funding on individual projects is subject to the grantees meeting the administrative and statutory requirements.

Sincerely yours,

FOR

Karla S. Petty
FHWA Division Administrator

Enclosure

cc: gbyres@dot.gov; amy.corathers@dotgov; lpounds@azdot.gov; pstone@azdot.gov;
banderson@azdot.gov; resourceadmin@azdot.gov

Internal cc: EStillings, RTruely, TDeitering, AHansen, T Wilson, RYedlin, JBrown, KUtley, RMoreno,
BJombo, ASarhan, FHWA Arizona

ESS

Egg



Multimodal Planning

Douglas A. Ducey, Governor
John S. Halikowski, Director
Dallas Hammit, State Engineer
Gregory Byres, Division Director

June 17, 2019

Ms. Karla S. Petty
Division Administrator
Federal Highway Administration
4000 North Central Avenue Suite 1500
Phoenix, Arizona 85012-3500

RE: LHMPO FY 2019-2023, STIP Amendment 26

Dear Ms. Petty,

As the Governor's designee, I approve the actions taken by the Lake Havasu Metropolitan Planning Organization (LHMPO) Executive Board on May 14, 2019 to request an amendment to the FY 2019-2023 LHMPO Transportation Improvement Program (TIP). I cordially request Amendment Number 26 of the FY 2019-2023 State Transportation Improvement Program (STIP) to reflect the changes.

This amendment is in accordance with 23 CFR 450 and was developed based on a continuing, cooperative, and comprehensive transportation planning process in accordance with 23 USC 134 and section 5303 of the Federal Transit Act (49 USC 53). The changes made to the program by this amendment are either exempt or are regarded as minor project revisions that do not require conformity determination [40 CFR §93.126]. The funding for the projects in this amendment will not adversely impact the STIP Financial Plan.

Your prompt approval of this request will be greatly appreciated.

Please contact Mr. Jason Bottjen at 602-712-6166 if you need further assistance.

Sincerely,

for Greg Byres
Multimodal Planning Division

cc: Ed Stillings, FHWA
Jason Bottjen, ADOT MPD
Angela Ringor, ADOT MPD
Vinny Gallegos, LHMPO

Bret Anderson, ADOT MPD
Patrick Stone, ADOT FMS
Alvin Stump, ADOT Northwest District
Jeanette Buckley, LHMPO



**Lake Havasu Metropolitan
Planning Organization**
900 London Bridge Road, Bldg. B
Lake Havasu City, AZ 86404
(928) 453-2823

June 10, 2019

To: Mr. Jason Bottjen
Planning Program Manager
Arizona Department of Transportation
206 S. 17th Avenue
Phoenix, AZ 85007

Re: TIP Amendment

Jason,

This letter is to inform the Arizona Department of Transportation (ADOT) Multimodal Planning Division of an amendment to the Lake Havasu MPO FY2019 – FY2024 Transportation Improvement Program (TIP). This amendment was presented to the LHMPO Technical Advisory Committee (TAC) at their April 23, 2019 meeting and approved by the Lake Havasu MPO Executive Board on May 14, 2019.

- 1) Moving FY22 STBG Funding from Tip ID# LHM-22-107 to FY24 for construction and adding TIP ID# LHM-22-117 for a To Be Determined project. The \$302,770 of STBG funding will be changed in the FY2019 – FY2024 TIP as follows:

TIP ID# LHM-22-107 London Bridge Road Bike Striping FY22 funding moved to FY24 for \$302,770
New TIP ID # LHM 22-111 FY22 STBG funding for a To Be Determined project for \$302,770

Also the LHMPO TIP Narrative has been updated with the following FHWA Performance Target narratives as follows:

- Bridge Performance
- NHS Travel Time Reliability Performance
- Pavement Performance

Please find attached a copy of the FY2019 - FY2024 TIP and narrative illustrating this amendment.

If you have any questions, please contact me.

Thank you,

Vincent Gallegos
Director

Lake Havasu MPO
900 London Bridge Road Bldg. B
Lake Havasu City, AZ 86404
O (928) 453-2824 C (928) 848-0276
Email: gallegosv@lhcaz.gov

LHMPO
TRANSPORTATION IMPROVEMENT PROGRAM
FISCAL YEAR 2018-2024

TIP ID # /TRACS#	SPONSOR	PROJECT NAME/LOCATION	TYPE OF WORK	TYPE OF FUNDING	FUNCTIONAL CLASS								LOCAL MATCH FUNDS	PROJECT TOTAL
						FY18	FY19	FY20	FY21	FY22	FY23	FY24		
SURFACE TRANSPORTATION BLOCK GRANT FUNDS (STBG)														
LHV-12-104C /SS85901D	LHC/WACOG/LHMPO	Lake Havasu Ave, LHC	Construction	STBG	Rural Prin Artrl	\$ 989,319							\$ 59,800	\$ 1,049,119
LHV-12-104C /SS85901D	LHC/WACOG/LHMPO	Lake Havasu Ave, LHC	Construction	LTAP		\$ 5,000								\$ 5,000
LHV-12-104C /SS85901D	LHMPO	Lake Havasu Ave, LHC	Construction	STBG		\$ 218,792							\$ 13,225	\$ 232,017
LHV-13-101C /SZ11403D	LHC/WACOG/LHMPO	Swanson Ave, LHC	Construction	STBG	Urban Coll		\$ 1,840,240						\$ 111,234	\$ 1,951,474
LHV-13-101C /SZ11403D	LHC/WACOG/LHMPO	Swanson Ave, LHC	Construction	LTAP			\$ 5,000							\$ 5,000
LHV-13-101C /SZ11403D	LHMPO	**Swanson Ave, LHC	Construction	STBG			\$ 190,816						\$ 11,534	\$ 202,350
LHM-20-105D	LHMPO	SR95 Kiowa Traffic Signal	Design	STBG				\$160,000					\$ 9,671	\$ 169,671
LHM-20-105C	LHMPO	SR95 Kiowa Traffic Signal	Construction	STBG					\$404,038				\$ 24,422	\$ 428,460
LHM-18-106	LHMPO	Highway Safety Education Campaign for Safe Driving, Mohave County		STBG			\$ 50,000						\$ 3,022	\$ 53,022
LHM-22-107	LHMPO	London Bridge Rd Bike Striping. - SR95 to SR95	Design / Constructiupon	STBG							\$302,770	\$302,770	\$ 36,602	\$ 642,142
LHM-22-111	LHMPO	To Be Determined	Design/Construction	STBG						\$302,770			\$ 18,301	\$ 321,071
TOTAL STBG						\$ 1,213,111	\$ 2,086,056	\$ 160,000	\$ 404,038	\$ 302,770	\$ 302,770	\$ 302,770	\$ 287,812	\$ 5,059,327
HIGHWAY SAFETY IMPROVEMENT PROGRAM FUNDS (HSIP)														
LHM-19-101	LHC	Pedestrian Hybrid Beacon at Acoma Blvd/Pima Dr	Design	HSIP			\$ 160,000						\$ -	\$ 160,000
LHM-19-101	LHC	Pedestrian Hybrid Beacon at Acoma Blvd/Pima Dr	Construction	HSIP				\$ 300,000					\$ -	\$ 300,000
LHM-18-108D	LHC	Verde Blvd to Wood Lane.; McCulloch Blvd./El Dorado Ave	Design	HSIP					\$ 540,000					\$ 540,000
LHM-18-108C	LHC	Verde Blvd to Wood Lane.; McCulloch Blvd./El Dorado Ave	Construction	HSIP						\$ 1,428,000				\$ 1,428,000
LHM-16-101D&C / F0029 01D	ADOT/LHMPO	SR95/Kiowa Ave, LHC	Design/Construction	HSIP	Urban Prin Other	\$ 952,925	\$ -	\$ -					\$ -	\$ 952,925
LHM-16-101C	ADOT/LHMPO	SR95/Kiowa Ave, LHC	Construction	HSIP	Urban Prin Other	\$ 44,142	\$ -	\$ -					\$ -	\$ 44,142
TOTAL HSIP						\$ 997,067	\$ 160,000	\$ 300,000	\$ 540,000	\$ 1,428,000	\$ -		\$ -	\$ 3,425,067

Table I

TRANSIT PROJECTS (5310)														
TIP ID # /TRACS#	SPONSOR	PROJECT NAME/LOCATION	TYPE OF WORK	TYPE OF FUNDING	FUNCTIONAL CLASS				FY21	FY22	FY23	FY24	LOCAL MATCH FUNDS	PROJECT TOTAL
						FY18	FY19	FY20						
LHM-18-110	New Horizons AZ	FTA Vehicle Award	MiniVan w/Ramp	5310		\$ 39,060	\$ -				\$ -		\$ 9,765	\$ 48,825
LHM-18-111	New Horizons AZ	FTA Vehicle Award	MiniVan w/Ramp	5310		\$ 39,060							\$ 9,765	\$ 48,825
LHM-18-112	New Horizons AZ	FTA Vehicle Award	MiniVan w/Ramp	5310		\$ 39,060							\$ 9,765	\$ 48,825
LHM-18-113	New Horizons AZ	FTA Vehicle Award	MiniVan w/Ramp	5310		\$ 39,060							\$ 9,765	\$ 48,825
LHM-18-120	Havasu Mobility	FTA Vehicle Award	MiniVan w/Ramp	5310		\$ 39,060							\$ 9,765	\$ 48,825
LHM-18-121	New Horizons AZ	Preventative Maintenance	New Preventative Maintenance	5310		\$ 13,000							\$ 3,250	\$ 16,250
LHM-18-122	Somewhere Out of the Box	Operating Capital	Continuation	5310		\$ 25,000							\$ 25,000	\$ 50,000
LHM-19-104	New Horizons AZ	FTA Vehicle Award	Transit Connect	5310			\$ 58,667						\$ 7,821	\$ 66,488
LHM-19-105	New Horizons AZ	FTA Vehicle Award	MiniVan w/Ramp	5310			\$ 41,850						\$ 5,580	\$ 47,430
LHM-19-106	New Horizons AZ	Operating Capital	Continuation	5310			\$ 20,000						\$ 5,000	\$ 25,000
LHM-19-107	Rise Inc.	FTA Vehicle Award	Cutaway with Lift (9 passenger)	5310			\$ 61,687						\$ 8,225	\$ 69,912
LHM-19-109	Rise Inc.	FTA Vehicle Award	Cutaway with Lift (14 passenger)	5310			\$ 63,937						\$ 8,525	\$ 72,462
TOTAL TRANSIT (5310)						\$ 233,300	\$ 246,141	\$ -	\$ -	\$ -			\$ 112,226	\$ 591,667

ADOT: Arizona Department of Transportation

LHMPO: Lake Havasu Metropolitan Planning Organization

WACOG: Western Arizona Council of Governments

LHC: Lake Havasu City

MC: Mohave County

Local Additional Funds: Applicable to the Agency Awarded

LHMPO
TRANSPORTATION IMPROVEMENT PROGRAM
FISCAL YEAR 2020 - 2024

TIP ID # /TRACS#	SPONSOR	PROJECT NAME/LOCATION	TYPE OF WORK	TYPE OF FUNDING	FUNCTIONAL CLASS							ADOT REVIEW FEES	LOCAL MATCH FUNDS	LOCAL ADDTL FUNDS	PROJECT TOTAL
						FY20	FY21	FY22	FY23	FY24	FY25				

Project Parking Lot

LHM-20-117	LHMPO	Travel for Executive Board, TAC and LHMPO		STBG		\$ 10,000							\$ 604		\$ 10,604
LHM-18-108D	Lake Havasu City	Verde Blvd. to Wood Ln.; McCulloch Blvd./El Dorado Ave.	Design	HSIP			\$ 540,000						\$ 1,938		\$ 541,938
LHM-18-108C	Lake Havasu City	Verde Blvd. to Wood Ln.; McCulloch Blvd./El Dorado Ave.	Construction	HSIP				\$ 1,428,000					\$ 6,840		\$ 1,434,840
LHM-23-101	Lake Havasu MPO	Update to the 2016 Lake Havasu MPO Strategic Transportation	Study	HSIP					\$ 306,947				\$ 18,554		\$ 325,500
LHM23-104D	ADOT	London Bridge Road Safety Improvements	Design	HSIP					\$ 199,500				\$ -		\$ 199,500
LHM-23-104C	ADOT	London Bridge Road Safety Improvements	Construction	HSIP					\$ -	\$ 404,775			\$ -		\$ 404,775
TOTAL						\$ 10,000	\$ 540,000	\$ 1,428,000	\$ 506,447	\$ 404,775	\$ -	\$ -	\$ 27,936	\$ -	\$ 2,917,157

ADOT: Arizona Department of Transportation

LHMPO: Lake Havasu Metropolitan Planning Organization

WACOG: Western Arizona Council of Governments

LHC: Lake Havasu City

MC: Mohave County

Local Additional Funds: Applicable to the Agency Awarded

LHMPO
TRANSPORTATION IMPROVEMENT PROGRAM
FISCAL YEAR 2020 - 2024

TIP ID # /TRACS#	SPONSOR	PROJECT NAME/LOCATION	TYPE OF WORK	TYPE OF FUNDING	FUNCTIONAL CLASS							ADOT REVIEW FEES	LOCAL MATCH FUNDS	LOCAL ADDTL FUNDS	PROJECT TOTAL
						FY19	FY20	FY21	FY22	FY23	FY24				
5310 Project Parking Lot															
LHM-19-103	Somewhere Out of the Box	FTA Vehicle Award	Cutaway with Lift (14 passenger)	5310		\$ 56,511	\$ -						\$ 15,939		\$ 72,450
LHM-19-108	RISE Inc.	FTA Vehicle Award	Cutaway with Lift (9 passenger)	5310		\$ 54,375	\$ -						\$ 15,337		\$ 69,712
LHM-19-110	NazCare	FTA Vehicle Award	Van No Lift (12 passenger)	5310		\$ 26,315	\$ -						\$ 7,422		\$ 33,737
LHM-19-111	Somewhere Out of the Box	Operating	Operating Funds	5310		\$ 25,000	\$ -						\$ 25,000		\$ 50,000
LHM-20-100	Somewhere Out of the Box	FTA Vehicle Award	Cutaway with lift (14 passenger)	5310			\$ 56,511	\$ -					\$ 15,939		\$ 72,450
LHM-20-101	Somewhere Out of the Box	FTA Vehicle Award	Minivan no ramp (7 passenger)	5310			\$ 21,887	\$ -					\$ 6,173		\$ 28,060
LHM-20-102	New Horizons Center for People w/Special Needs	FTA Vehicle Award	Minivan with Ram (7 passenger)	5310			\$ 38,084	\$ -					\$ 10,741		\$ 48,825
LHM-20-103	New Horizons Center for People w/Special Needs	FTA Vehicle Award	Minivan with Ram (7 passenger)	5310			\$ 38,084	\$ -					\$ 10,741		\$ 48,825
LHM-20-104	New Horizons Center for People w/Special Needs	FTA Vehicle Award	Minivan with Ram (7 passenger)	5310			\$ 38,084	\$ -					\$ 10,741		\$ 48,825
LHM-20-105	New Horizons Center for People w/Special Needs	Preventative Maintenance	Capital	5310			\$ 20,000	\$ -					\$ 5,000		\$ 25,000
LHM-20-106	RISE Inc.	FTA Vehicle Award	Cutaway with Lift (9 passenger)	5310			\$ 54,375	\$ -					\$ 15,337		\$ 69,712
LHM-20-107	RISE Inc.	FTA Vehicle Award	Cutaway with Lift (9 passenger)	5310			\$ 54,375	\$ -					\$ 15,337		\$ 69,712
LHM-20-108	Somewhere Out of the Box	Operating	Operating Capital	5310			\$ 25,000	\$ -					\$ 25,000		\$ 50,000
TOTAL						\$ 162,201	\$ 346,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 178,707	\$ -	\$ 687,308

Table I

LHMPO
TRANSPORTATION IMPROVEMENT PROGRAM
FISCAL YEAR 2020 - 2024

TIP ID # /TRACS#	SPONSOR	PROJECT NAME/LOCATION	TYPE OF WORK	TYPE OF FUNDING	FUNCTIONAL CLASS							ADOT REVIEW FEES	LOCAL MATCH FUNDS	LOCAL ADDTL FUNDS	PROJECT TOTAL
						FY20	FY21	FY22	FY23	FY24	FY25				
5307 Project Parking Lot															
LHM-19-112	Lake Havasu City Transit	FTA Vehicle	Champion Low Floor	5307		\$ 150,000							\$ 37,500		\$ 187,500
LHM19-113	Lake Havasu City Transit	Capital	Dispatch Solutions	5304		\$ 70,000							\$ 17,500		\$ 87,500
LHM-19-114	Lake Havasu City Transit	Operating	Operating Funds	5307		\$ 100,000							\$ 50,000		\$ 150,000
LHM-20-115	Lake Havasu City Transit	FTA Vehicle	Transit Connect	5307			\$ 50,000						\$ 12,500		\$ 62,500
LHM-20-116	Lake Havasu City Transit	Operating	Operating Funds	5307			\$ 100,000						\$ 50,000		\$ 150,000
LHM-21-101	Lake Havasu City Transit	FTA Vehicles	Electric Ford Focus - 3	5307				\$ 105,000					\$ 26,250		\$ 131,250
LHM-21-102	Lake Havasu City Transit	Operating	Operating Funds	5307				\$ 100,000					\$ 50,000		\$ 150,000
LHM-21-103	Lake Havasu City Transit	Capital	Electric Charging Stations	5339				\$ 200,000					\$ 50,000		\$ 250,000
LHM-22-108	Lake Havasu City Transit	Operating	Operating Funds	5307					\$ 100,000				\$ 50,000		\$ 150,000
LHM-22-109	Lake Havasu City Transit	FTA Vehicles	Electric Ford Focus - 3	5307					\$ 105,000				\$ 26,250		\$ 131,250
LHM-22-110	Lake Havasu City Transit	Capital	Bus/Car Shelter	5339			\$ -		\$ 100,000				\$ 25,000		\$ 125,000
TOTAL						\$ 320,000	\$ 150,000	\$ 405,000	\$ 305,000	\$ -	\$ -	\$ -	\$ 395,000	\$ -	\$ 1,575,000

ADOT: Arizona Department of Transportation

LHMPO: Lake Havasu Metropolitan Planning Organization

WACOG: Western Arizona Council of Governments

LHC: Lake Havasu City

MC: Mohave County

Local Additional Funds: Applicable to the Agency Awarded

Table I

Lake Havasu MPO
Federal Funding Allocations

LAKE HAVASU MPO ANNUAL FEDERAL ALLOCATIONS (Estimated)						
Surface Transportation Block Grant Program (STBGP)						
	FY19	FY20	FY21	FY22	FY23	FY24
Apportionment	\$ 302,770.00	\$ 302,770.00	\$ 302,770.00	\$ 302,770.00	\$ 302,770.00	\$ 302,770.00
Obligation Authority*	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73
Transfer Obligation - WACOG	\$ 289,145.00	\$ -	\$ -	\$ -	\$ -	\$ -
Total OA	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73
Net OA Available	\$ (1,816.27)	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73	\$ 287,328.73

Table 2

Lake Havasu MPO
Planned Future Projects **MID TERM**

PROJECT	FUNDING TYPE	DESCRIPTION	AMOUNT	ENTITY
Phase I Bicycle Striping & Signage	TA/HSIP	Bicycle striping & signage	\$380,000	LHC/ADOT
McCulloch Blvd N: SR-95 to Jamaica Blvd (BPIP UPDATE PENDING)	BPIP UPDATE	4.3 Miles (\$107,500) (BPIP UPDATE PENDING)		
Lake Havasu Ave: Palo Verde Blvd S to Jamaica Blvd S (BPIP UPDATE PENDING)	BPIP UPDATE	2.5 Miles (\$62,500) (BPIP UPDATE PENDING)		
Jamaica Blvd S: Lake Havasu Ave to Kiowa Blvd S (BPIP UPDATE PENDING)	BPIP UPDATE	4.9 Miles (\$122,500) (BPIP UPDATE PENDING)		
Palo Verde Blvd S: Kiowa Blvd N to Lake Havasu Ave N (BPIP UPDATE PENDING)	BPIP UPDATE	2.1 Miles (\$52,500) (BPIP UPDATE PENDING)		
Kiowa Blvd S: Jamaica Blvd N to Palo Verde Blvd S (BPIP UPDATE PENDING)	BPIP UPDATE	1.4 Miles (\$35,000) (BPIP UPDATE PENDING)		
Lake Havasu Ave – Mesquite to Mulberry (Smoketree ??)	SPR -LHC CIP	Conduct Traffic Study	\$80,000	LHMPO /LHC
Phase I Sidewalk Project	TA/HSIP	Build Sidewalks	\$330,000	LHC/ADOT
Acoma Blvd W: Lake Havasu Ave N to Havasupai Blvd		.9 Miles (\$135,000)		
Acoma Blvd S: Paso Dr to Tonto Dr		.3 Miles (\$45,000)		
Palo Verde Blvd S: Hummingbird Dr to Starlite Ln		.2 Miles (\$30,000)		
Jamaica Blvd S: Monte Carlo Ave to Tahiti Ln		.2 Miles (\$30,000)		
Jamaica Blvd S: Power Dr to Chemehuevi Blvd		.1 Miles (\$15,000)		
Thunderbolt Ave: Roanoke Dr to Broken Arrow Dr		.3 Miles (\$45,000)		
London Bridge Rd: Alley 22 to Palo Verde Blvd S		.2 Miles (\$30,000)		
Traffic Study (possible PARA)	TBD	SR95 Corridor	TBD	ADOT/LHMPO
SR 95 MP 178 to MP 190 (Various Sections)	TBD	Major Pavement Rehabilitation	\$25K-\$150 Per Mile	ADOT
London Bridge Rd	STP/CIP	Major Pavement Rehabilitation	TBD	LHMPO/MC/LHC
Unincorporated Mohave County - Between City Limits				
Sailing Hawks to South of Arnold Palmer Dr.				
West of Showplace to SR95				

Table 3

Lake Havasu MPO
Planned Future Projects **MID TERM**

PROJECT	FUNDING TYPE	DESCRIPTION	AMOUNT	ENTITY
Conduct Roadway Safety Assessments				
Mesquite Ave and Riviera Dr	TBD		TBD	LHC
Lake Havasu Ave N and Acoma Blvd W	TBD		TBD	LHC
New Trail on the Island	Trails Grant	Construct new trail 1.3 Miles	\$26,000	LHC/ADOT Trails
El Dorado Wash Trail Extension	Trails Grant	Construct new trail 2 components 2.8 & 1.3 Miles	\$82,000	LHC/ADOT Trails
City Roadway Projects			\$898,000	

Ride Share/ Van Pool Services-with Park & Ride Study	IP	Transit - Study (LHMPO Transit Plan)	\$40K-\$80K	LHMPO
Provide comprehensive information-about transportation service options	IP	Transit/Havasus Mobility (LHMPO Transit Plan)	0	LHC
Identify potential regional routes	IP	Transit (LHMPO Transit Plan)	TBD	LHC
Build partnerships with other transportation providers in the region	IP	Transit/Havasus Mobility (LHMPO Transit Plan)	0	LHC
Investigate options for regional transit mgment, working with Bullhead City & Kingman, for joint operations	IP	Transit - Study (LHMPO Transit Plan)	TBD	LHMPO/Entities
Provide current transportation service to the same constituents (demand response service to the elderly, disable and low income population) but with:	IP	Transit/Havasus Mobility (LHMPO Transit Plan)	0	LHC
• longer hours of service (7 am to 7 pm)				
• ability to reliably reserve rides the day before service is needed				

All dollar amounts are estimates

IP: In Process

LHC: Lake Havasu City

LHMPO: Lake Havasu Metropolitan Planning Organization

ADOT: Arizona Department of Transportation

Entities: Lake Havasu City, Kingman, Bullhead & Mohave County

TBD: To be determined

CIP: Capital Improvement Program

TA: Transportation Alternatives Funding

Section 5305: FTA Section 5305 Transit Funding

SPR: State Planning & Research Funds

STP: Surface Transportation Program Funds

HSIP: Highway Safety Improvement Program

Table 3

Lake Havasu MPO
Planned Future Projects - **LONG TERM**

PROJECT	FUNDING TYPE	DESCRIPTION	AMOUNT	ENTITY
Alternative Bridge Crossing to Island	SPR (?)	Feasibility study for 2nd Multimodal Bridge to Island	\$50K -	LHMPO/ADOT/
Phase II Bicycle Striping & Signage	TA	Bicycle striping & signage	\$325,000	LHC/ADOT
McCulloch Blvd S: Jamaica Blvd to SR-95 (BPIP UPDATE PENDING)		4.4 Miles (\$110,000) (BPIP UPDATE PENDING)		
Kiowa Blvd N: Jamaica Blvd to Lake Havasu Ave N (BPIP UPDATE PENDING)		5.7 Miles (\$142,500) (BPIP UPDATE PENDING)		
Palo Verde Blvd S: Kiowa Blvd S to Kiowa Blvd N (BPIP UPDATE PENDING)		2.1 Miles (\$52,500) (BPIP UPDATE PENDING)		
Smoketree Ave N: Pima Dr to Kiowa Blvd S (BPIP UPDATE PENDING)		.8 Miles (\$20,000) (BPIP UPDATE PENDING)		
Phase III Bicycle Striping & Signage	TA	Bicycle striping & signage (BPIP UPDATE PENDING)	\$262,500	LHC/ADOT
Palo Verde Blvd N: Aviation Dr to N. Kiowa Blvd N (BPIP UPDATE PENDING)		4.1 Miles (\$102,500) (BPIP UPDATE PENDING)		
Thunderbolt Ave: Chemehuevi Blvd to Oro Grande Blvd (BPIP UPDATE PENDING)		1.2 Miles (\$30,000) (BPIP UPDATE PENDING)		
Havasupai Blvd: Acoma Blvd N to Kiowa Blvd N (BPIP UPDATE PENDING)		1.6 Miles (\$40,000) (BPIP UPDATE PENDING)		
Lake Havasu Ave N: Kiowa Blvd N to Palo Verde Blvd S (BPIP UPDATE PENDING)		1.4 Miles (\$35,000) (BPIP UPDATE PENDING)		
Oro Grande Blvd: SR-95 to McCulloch Blvd S (BPIP UPDATE PENDING)		2.2 Miles (\$55,000) (BPIP UPDATE PENDING)		
Acoma Blvd S: Daytona Ave to Saratoga Ave	CIP	Widen road to 4-Lanes with a center turn lane	\$500K - \$1M	LHC
Palo Verde Blvd S: Acoma Blvd N to Kiowa Blvd S	CIP	Widen road to 4-Lanes with a center turn lane	Per Mile	LHC
Traffic Study Implementation	TBD	SR95 - Mesquite to Mulberry/London Bridge Rd to McCulloch Blvd South	TBD	ADOT/LHMPO
SR-95 and Pima Wash Trail/Aquatic Center	TBD	Implement Findings from Pedestrian Crossing Study	TBD	ADOT
Implement Study Findings from Traffic Study	TBD	Lake Havasu Ave – Mesquite to Mulberry (Smoketree (?))	TBD	LHC
SR-95 Realignment / Alternative Emergency Route	TBD	Conduct feasibility study for SR-95 realign with potential interchanges at Bentley, Bison, Cherry Tree, Arizona Blvd	TBD	LHC/ADOT
Havasupai Wash Trail: Palo Verde Blvd N to Lake Shore Trail (north)	CIP/Trails Grant	Construct New Trail - 3.9 Miles	\$78,000	LHC/Trails
El Dorado Wash Trail: Pima Wash Trail to Powerline Trail-align	"	Construct New Trail - 2.8 Miles	\$56,000	LHC/Trails
Chemehuevi Wash Trail: McCulloch Blvd N to SR-95	"	Construct New Trail - 2.5 Miles	\$50,000	LHC/Trails
Lake Shore Trail (north): City Limits to Shoreline Promenade	"	Construct New Trail - Two Components 4.0 & 5.7 Miles	\$ 194,000	LHC/Trails
Lake Shore Trail (south): Rotary Park to SR-95	"	\$20,000 per mile		
City Roadway Projects			\$500K - \$1M	LHC
Acoma Blvd S: Saratoga Ave to SR-95	CIP	Widen road to 4-Lanes with a center turn lane	Per Mile	LHC
Palo Verde Blvd S: SR-95 to Acoma Blvd N	CIP	Widen road to 4-Lanes with a center turn lane	Per Mile	LHC
Jamaica Blvd S: Lake Havasu Ave to Chemehuevi Blvd	CIP	Widen road to 4-Lanes with a center turn lane	"	LHC
Lake Havasu Ave N: Palo Verde Blvd S to Industrial Blvd	CIP	Widen road to 4-Lanes with a center turn lane	"	LHC
Acoma Blvd S: Daytona Ave to Saratoga Ave	CIP	Widen road to 4-Lanes with a center turn lane	\$500K - \$1M	LHC
Palo Verde Blvd S: Acoma Blvd N to Kiowa Blvd S	CIP	Widen road to 4-Lanes with a center turn lane	Per Mile	LHC

All dollar amounts are estimates

LHC: Lake Havasu City LHMPO: Lake Havasu Metropolitan Planning Organization ADOT: Arizona Department of Transportation

TBD: To Be Determined
SPR: State Planning Research Funding
CIP: Capital Improvement Program

Table 4



LAKE HAVASU METROPOLITAN PLANNING ORGANIZATION

Transportation Improvement Program

Fiscal Year 2019 – 2024

**900 London Bridge Road, Building B
Lake Havasu City, AZ 86404**

**Telephone (928) 453-2823
WWW.LHMPO.org**

TABLE OF CONTENTS

I. Introduction	3
Mission Statement	
Executive Board	
Technical Advisory Committee	
LHMPO Urbanized Area Map (Figure 1)	
Requirements	
II. Public Involvement Process	5
Process	
Flow Chart	
III. Funding Source and Budget	7
Planning Funds (PL)	
State Planning and Research Funds (SPR)	
Surface Transportation Block Grant (STBG)	
Highway Safety Improvement Program Funds (HSIP)	
Federal Transit 5303/5305 Funds	
IV. Transit Projects	10
Federal Transit 5310 Funds	
Federal Transit 5307 Funds	
Tables	
Table 1 Federal and State Projects	14
Table 2 Funding Allocations	19
Table 3 Planned Future Projects – Mid Term	20
Table 4 Planned Future Projects – Long Term	22
Federal Certifications	23

I. INTRODUCTION

In 2010, the United States Census reflected that Lake Havasu City population surpassed the 50,000 threshold; thus, requiring the establishment of a Metropolitan Planning Organization (MPO).

The Lake Havasu Metropolitan Planning Organization (LHMPO) planning area boundary encompasses all areas within the Lake Havasu City limits, the Mohave County area north of the City limits known as Desert Hills, Havasu Gardens, Crystal Beach and the Mohave County area southeast of the City known as Horizon Six. The planning boundary of the LHMPO is approximately 100 square miles.

Mission Statement

The mission of the Lake Havasu Metropolitan Planning Organization (LHMPO) is to provide open leadership and guidance for regional transportation planning through a cooperative effort that will result in a practical and positive growth model beneficial to residents, visitors and businesses.

Executive Board

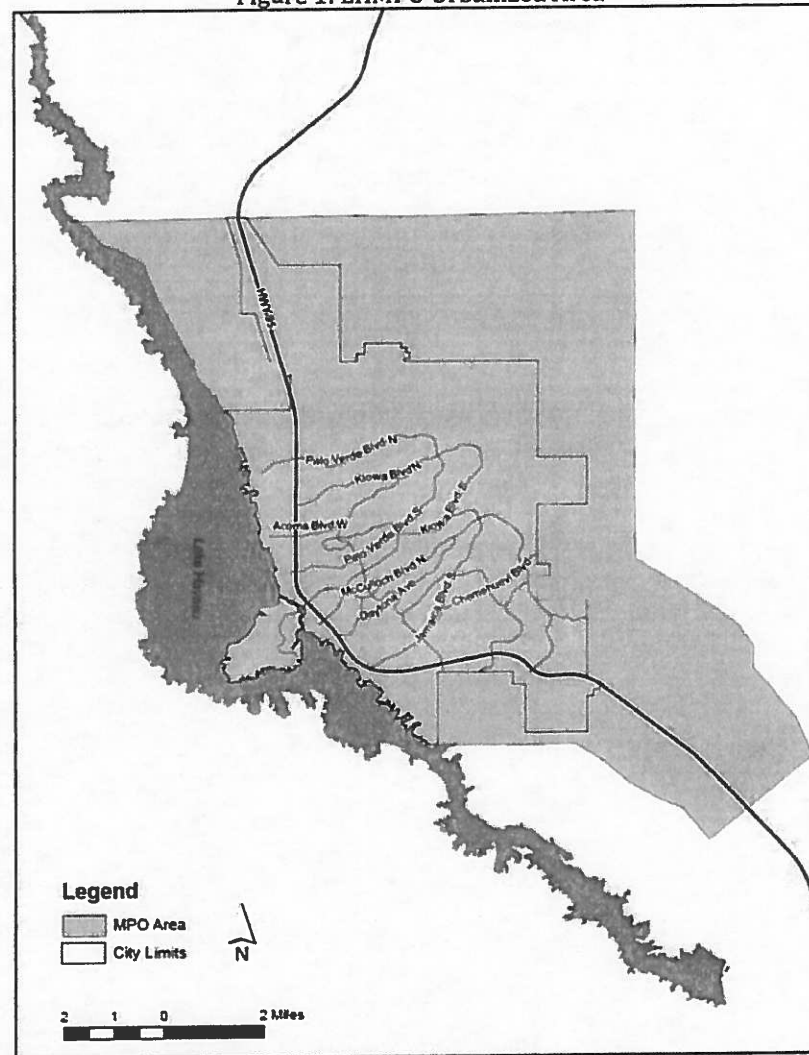
The Executive Board is the policy body of the LHMPO coordinating the transportation planning activities. The Executive Board consists of elected officials from Lake Havasu City, Mohave County; one member from Arizona Department of Transportation State Transportation Board (appointed by the Governor of the State of Arizona) and one ex-officio non-voting representative of Federal Highways Administration.

Technical Advisory Committee (TAC)

The TAC consists of six (8) technical and managerial representatives from: Lake Havasu City (3); Mohave County (2); Western Arizona Council of Governments (WACOG) (1); the Arizona Department of Transportation (ADOT) (2); and, Federal Highways Administration ex-officio (1) as members.

The primary responsibility of the TAC is to perform technical reviews and analysis regarding project related activity if the TIP and make recommendations to the Executive Board.

Figure 1: LHMPO Urbanized Area



Geographic Area

The LHMPO is responsible for the continuous, cooperative and comprehensive transportation planning process for the Lake Havasu Metropolitan Planning Organization Urbanized Area.

Requirements

The TIP is a multi-year (4 – 10 years) program of transportation projects that is consistent with and implements the goals and objectives described in the *2040 Regional Transportation Plan*. The TIP is required to be prepared in complete detail identifying projects, assign projects in appropriate periods, and to identify costs associated with each project as well as funding source. The TIP needs to be reviewed annually and revised as necessary. Years 1 – 4 *must* be fiscally constraint.

II. PUBLIC INVOLVEMENT PROCESS

Federal legislation requires a public involvement process that provides comprehensive information, timely public notice, and full public access to key decisions and is supportive of early and continuing involvement of the public in all areas of the transportation planning process.

The Public Involvement Plan adopted by the Executive Board July 8, 2014 and amended on October 30, 2017 contains background material, guidelines, and commitments that LHMPO is undertaking to incorporate an effective public process into future plans, projects, and programs. Specifically, LHMPO is committed to:

- Inclusive and meaningful public involvement.
- Open and honest communications with all individuals and entities.
- Timely public notice.
- Full public access to information and key decisions.
- Creating a sense of shared responsibility and ownership for regional transportation/congestion problems and a shared sense of pride in the development of solutions to those problems.
- Helping form partnerships between member entities, and the private and public sectors to plan and implement transportation/congestion solutions.
- Establishing policies and prioritizing needs based on valid data and using objective, fair and consistent processes.
- Providing information and gathering input so that decision makers will be able to make informed decisions.

Public Process

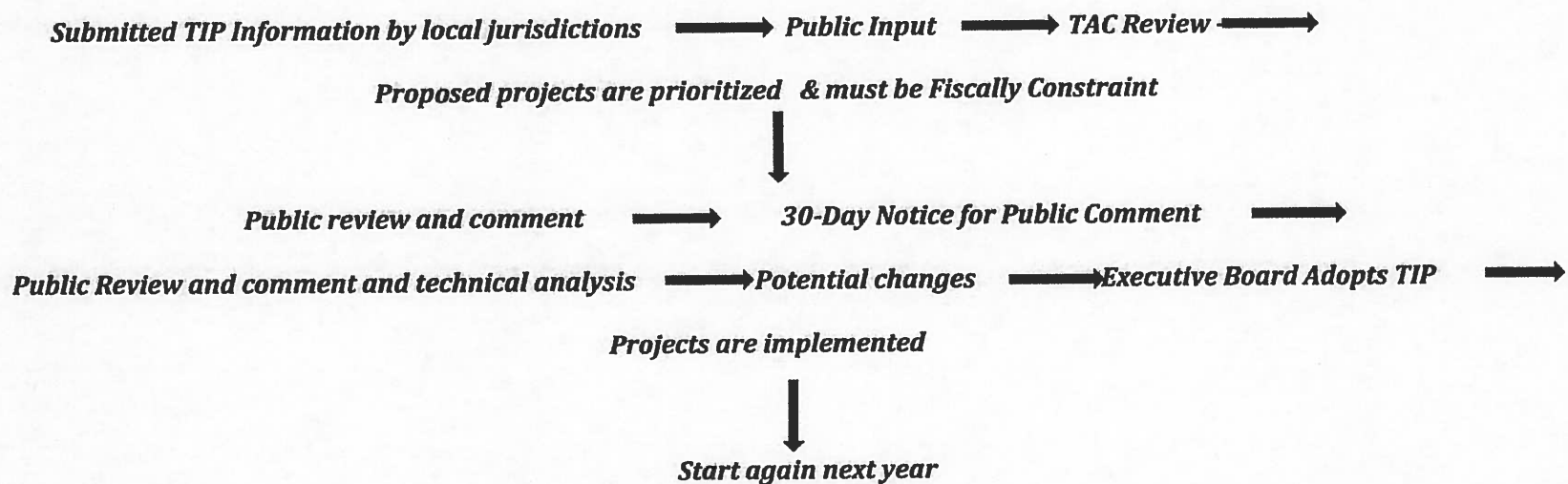
The LHMPO will update the TIP on a regular basis and will strive to include as much public input as possible. Annually the TAC will submit projects for inclusion in the TIP. The review of the projects will occur by the TAC in a public meeting; and, each project submitted must be fiscally

constrained. The draft document will be available for public comment for not less than 30-days and will be available at the LHMPO Office and LHMPO web site.

After the public comment period has ended the draft document will be presented to the TAC for approval and forwarded to the Executive Board for final approval. The Executive Board has the option of continuing with the approval process or move to a future date to allow for additional comments or discussion.

The LHMPO follows and adheres to the approved Title VI Plan and the Public Involvement Plan (PIP) to ensure the greatest amount of public participation is received during the TIP development process.

The Public Involvement Process:



III. FUNDING SOURCE AND BUDGET

The LHMPPO is dependent on federal funding for the operation of the MPO; and, to perform planning activities used to deliver a variety of projects in the Urbanized Area. Below is a detailed list of the types of funding the LHMPPO receives as well as what the funding is utilized for.

Planning Funds (PL) and State Planning & Research Funds (SPR)

The Arizona Department of Transportation (ADOT) is the designated recipient of the **Federal-Aid Highway Funds** used for planning and research purposes. ADOT receives State Planning and Research (SPR) funds **from Federal Highways Administration (FHWA)** and utilizes some of these funds with planning agencies to conduct transportation planning activities. Planning Funds (PL) is apportioned to states on the basis of population in urbanized areas and relative to the amount of highway construction funds the state receives.

SPR funds are discretionary and are typically administered by ADOT to carry out specific technical activities. In the LHMPPO region SPR funds will be used to conduct transportation planning activities and administration of the program. SPR funds require a 20% local match and PL funds require a 5.7% local match. The below amounts reflect the Obligation Authority amounts, which is also the apportionment.

Total Estimated PL Funding Annual	\$126,081
Total Estimated SPR Funding Annually	\$125,000

Surface Transportation Block Grant Program Funds (STBGP)

STBGP is a federal-aid highway flexible funding program that funds a broad range of surface transportation capital needs including roads, transit, airport access, vanpool, and bicycle and pedestrian facilities. Transit related planning; research and development activities are also eligible for the use of STBGP funds. The LHMPPO entered into an agreement in to provide the Obligation Authority amount to Western Arizona Council of Governments (WACOG) for 2014 – 2020 in exchange for two (2) projects in Lake Havasu City. These projects were planned by WACOG prior to the formation of the LHMPPO. These funds require a 5.7% local match. The below amounts reflect the Obligation Authority amounts, not apportionments.

Total Estimated STBGP Funding Annually	\$302,770
--	-----------

Highway Safety Improvement Program Funds (HSIP)

HSIP funds are a federal funding source dedicated to safety improvements and are distributed within the State on a competitive basis. The main purpose of the HSIP funding is to achieve a reduction in fatalities and serious injuries on public roads. The LHMPO 2017 Strategic Transportation Safety Plan has identified areas where funding could be utilized.

HSIP Match

5.7% match typically provided through the use of in-kind / hard dollars by the MPO member agencies; however, in some projects the match can be as low as 0%. 23 U.S.C. 120 (c) and 130 address the local match waiver on HSIP funded projects.

0.0% match reference, 23 U.S.C. 120(c) and 130 address the local match waiver on HSIP funded projects. Section 120(c) allows certain types of highway safety improvement projects to be funded at 100 percent (i.e., traffic control signalization, traffic circles, safety rest areas, pavement marking, commuter carpooling and vanpooling, rail-highway crossing closure, or installation of traffic signs, traffic lights, guardrails, impact attenuators, concrete barrier end treatments, breakaway utility poles, or priority control systems for emergency vehicles or transit vehicles at signalized intersections).

Total Estimated HSIP Funding Annually	\$ Competitive
---------------------------------------	----------------

Federal Transit Administration Funding (FTA) – Section 5305d

These funds are utilized for transit planning purposes in the LHMPO region. The use of these funds is allowed for planning and technical studies related to transit. FTA provides funding to ADOT for the regional planning agencies with the State. These funds require a 20% local match. The below amount reflects the Apportionment.

Total Estimated FTA Section 5305d Funding Annually	\$24,035
--	----------

Federal Transit Administration Funding (FTA) – Section 5304 & 5305e

The FTA Section 5304 & 5305e funding is provided to ADOT via FTA for transit planning. The funding became available with Federal Fiscal Year 2018 and is available on a competitive basis.

Total Estimated FTA Section 5305e Funding Annually	\$96,000
--	----------

FTA Section 5307 – Urbanized Areas

The FTA Section 5307 funding is also filtered through the ADOT Multimodal Planning Division (MPD) - Transit Section. This program provides grants to urbanized areas (over 50,000 in population) for public transportation, capital, planning, job access, and reverse commute projects, as well as operation expenses in certain circumstances. The Lake Havasu City region is eligible for these funds, but currently not receiving these funds. In the Summer of 2018, the Lake Havasu MPO will conduct a Transit Feasibility Study for the region. The study will evaluate the feasibility of establishing a transit system within the region.

Highway User Revenue Funds (HURF) Exchange Program

Annually, ADOT provides federal Surface Transportation Block Grant Program (STBGP) funding on a discretionary basis to Arizona Councils of Governments (COG) and Metropolitan Planning Organizations (MPO), which then program the funds for specific local projects in the applicable region. The use of federal funding also requires compliance with certain federal environmental, procurement and other regulations. These requirements typically result in longer project duration and higher costs than if the project were built with non-federal funds. The HURF Exchange program is targeted to cities / towns / counties with population of 200,000 or less. It enables local public agencies (LPAs) to build projects using state funding, avoiding expensive and time-consuming federal regulatory requirements. Because the HURF Exchange results in reduced costs and administrative burden for participating LPAs and transfers that burden to ADOT, the statute allows ADOT to pay \$.90 cents in State Highway Fund (SHF) for each \$1 of federal funding exchanged.

IV. TRANSIT PROJECTS

FTA Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities grant program.

ADOT refers to this program as the "Coordinated Mobility Program." The Coordinated Mobility Program, FTA Section 5310, is a grant program that provides funding to assist with costs for mobility management activities, the purchase of capital equipment, and operations to meet the mobility needs of seniors (sixty five years and over) and individuals with disabilities of any age. The goal of the Section 5310 Program is to improve mobility for seniors and individuals with disabilities by removing barriers to transportation services and expanding the transportation mobility options available.

The FTA Section 5310 funding is filtered through ADOT Transit Division to those not for profit and profit human service transit providers who qualify. To qualify for the funding, the organizations must be listed in the Western Arizona Council of Governments (WACOG) Human Service Transportation Coordination Plan prepared and provided by (WACOG). Those within the LHMPPO region are: Havasu Mobility; MileMarkers, New Horizons, and Rise. The funding amount available is provided by ADOT at the beginning of the grant cycle. Any Awarded amounts will be included into the LHMPPO TIP.

The FTA Section 5307 is the Small Urban Transit Funding program. This funding when received will be administered by Lake Havasu City upon completion of FTA requirements and the completion of the Transit Implementation Plan, which is in progress and should be completed by January 2020. At this time, Lake Havasu MPO has elected to adopt the ADOT Transit Asset Management Performance Targets.

V. Performance Targets

Safety Performance

On July 31, 2018 the Arizona Department of Transportation (ADOT) formally established safety targets for the state of Arizona for 2019. These safety targets are based on the Safety Performance Measures established by the Federal Highway Administration (FHWA) and are indicators of expected crash results based on five year rolling averages.

2019 safety targets established by ADOT and adopted by the LHMPPO are as follows:

- Number of fatalities – 1001.5 – 5% increase
- Rate of fatalities – 1.442 – 2% increase
- Number of serious injuries – 4166.9 -- 1% decrease
- Rate of serious injuries – 6.022 -- 4% decrease

- Number of non-motorized fatalities and serious injuries – 813.9 – 3% increase

The safety targets set by ADOT are data-driven and realistic; and are intended to keep ADOT focused on improving safety while still striving for the goal of the LHMPO Strategic Transportation Safety Plan (STSP) and the State Strategic Highway Safety Plan (SHSP) of reducing the number of fatalities and serious injury crashes in the Lake Havasu MPO region and the state of Arizona.

The FY2019 – 2023 STIP contains the following types of projects that support the achievement of the established safety performance targets:

- Installation of speed feedback signs including solar LED enhanced speed limit signs
- Design and construction of positive offset improvements including left-turn offsets
- Design and installation of traffic signals and adaptive signal controls
- Intersection improvements including right/left turn lanes and enhanced lighting
- Construction of roundabouts
- Construction of concrete barriers and raised medians
- Shoulder widening
- Installation of rumble strips
- Installation of signs, including wrong way signs, striping and arrows
- Construction of a pedestrian bridge, sidewalks, crosswalks including in school zones, bike lanes and traffic calming features
- Distracted Driving Awareness

The Lake Havasu MPO is committed to supporting the established safety targets by doing the following:

- Work with the State and safety stakeholders to address areas of concern for fatalities or serious injuries within the metropolitan planning area.
- Coordinate with the State and include the safety performance measures and HSIP targets for all public roads in the metropolitan area in the MTP (Metropolitan Transportation Plan).
- Integrate into the metropolitan transportation planning process, the safety goals, objectives, performance measures and targets described in the Regional SHSP and other State safety transportation plans and processes.

Bridge Performance

The Bridge Performance measures cover bridges on the National Highway System. ADOT has adopted the following performance targets for bridges:

- Good condition bridges – 52% (2- and 4-year target)
- Poor condition bridges – 4% (2- and 4-year target)

These targets are data-driven and realistic; and intended to keep ADOT focused on maintaining bridges in a state of good repair. The FY2019 – 2023 STIP contains the following types of projects that will improve the condition of the bridge system:

- Scour retrofit projects
- Bridge rehabilitation
- Bridge deck rehabilitation
- Bridge deck replacement
- Bridge joint replacement
- Bridge replacement
- Bridge repair
- New bridge construction
- Funding for bridge inspections and emergency repair

NHS Travel Time Reliability Performance

NHS Travel Time Reliability identifies the percent of person-miles on the Interstate and the non-Interstate NHS that are reliable. Two and four year targets are required for the Interstate and a four-year target is required for the non-Interstate NHS. The NHS Travel Time Reliability targets established for the 2018 – 2021 performance period are:

- **Interstate**
 - **86.0% (2-year)**
 - **85.8% (4-year)**
- **Non-Interstate NHS**
 - **74.9% (4-year)**

The targets are data-driven and realistic; and intended to keep ADOT focused on improving travel time reliability on the NHS. The following types of projects were included in the FY2019 – 2023 STIP to support improved travel time reliability:

- Design and construct Freeway Management System including the installation of Intelligent Transportation Systems such as signals, adaptive ramp meters, connected and automated vehicle equipment, dynamic message signs, CCTV cameras, EVP networking, bike detection and improved signs

- Procurement of travel time data to aid in freeway management
- Roadway widening including the design or construction of general purpose and HOV lanes
- Traffic Incident support and Freeway Service Patrols
- Design and construction of roundabouts
- Design and construction of new roadway
- Intersection improvements

Pavement Performance

The pavement performance measures cover the Interstate and the non-Interstate NHS. ADOT's pavement performance targets are:

- **Good condition Interstate pavements – 48% (4-year target)**
- **Poor condition Interstate pavements – 2% (4-year target)**
- **Good condition non-Interstate NHS pavements – 31% (2- and 4-year target)**
- **Poor condition non-Interstate NHS pavements – 6% (2- and 4-year target)**

These targets are data-driven and realistic; and intended to keep ADOT focused on maintaining pavements in a state of good repair. The FY2019 – 2023 STIP contains the following types of projects that will improve the condition of highway pavements:

- Pavement preservation including chip seals, fog coats, micro surface treatments and high friction surface treatments
- Pavement rehabilitation including mill and overlay projects
- Pavement reconstruction