



# Memorandum

From: Daniel Coxworth, Administrator

Date: April 14, 2017

Subject: FY 2018 – 2022 Transportation Improvement Program 30-day Public Review

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The Sierra Vista Metropolitan Planning Organization (SVMPO), Board of Directors has placed the draft FY18 – FY22 Transportation Improvement Program (TIP) in a 30-day public review period. Final consideration of the TIP by the SVMPO Board is scheduled for the Board's regular meeting on May 18, 2017, 3:30 p.m. City Hall, 1011 N. Coronado Drive.

Please email or mail questions or comments to:

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# Sierra Vista Metropolitan Planning Organization

## Transportation Improvement Program

Fiscal Year 2018 - 2022

Approved: Sierra Vista MPO Board of Directors, TBD

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# Introduction

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In 2010, the United States Census reflected that the population of the City of Sierra Vista and portions of surrounding unincorporated Cochise County surpassed the 50,000 threshold; thus, requiring the establishment of a Metropolitan Planning Organization (MPO).

The Sierra Vista Metropolitan Planning Organization (SVMPO), planning area boundary, encompasses all the areas within the City of Sierra Vista city limits to include Fort Huachuca and unincorporated Cochise County

## **Board of Directors**

The Board of Directors is the policy body of the SVMPO that provides for an inclusive, deliberative process that considers the needs, financial resources and perspectives of all stakeholders. The Board structure creates a regional forum for jurisdictions to come together and work toward common goals. The Board of Directors consists of elected officials from the City of Sierra Vista, Cochise County, and one appointed member of the Arizona Department of Transportation (ADOT).

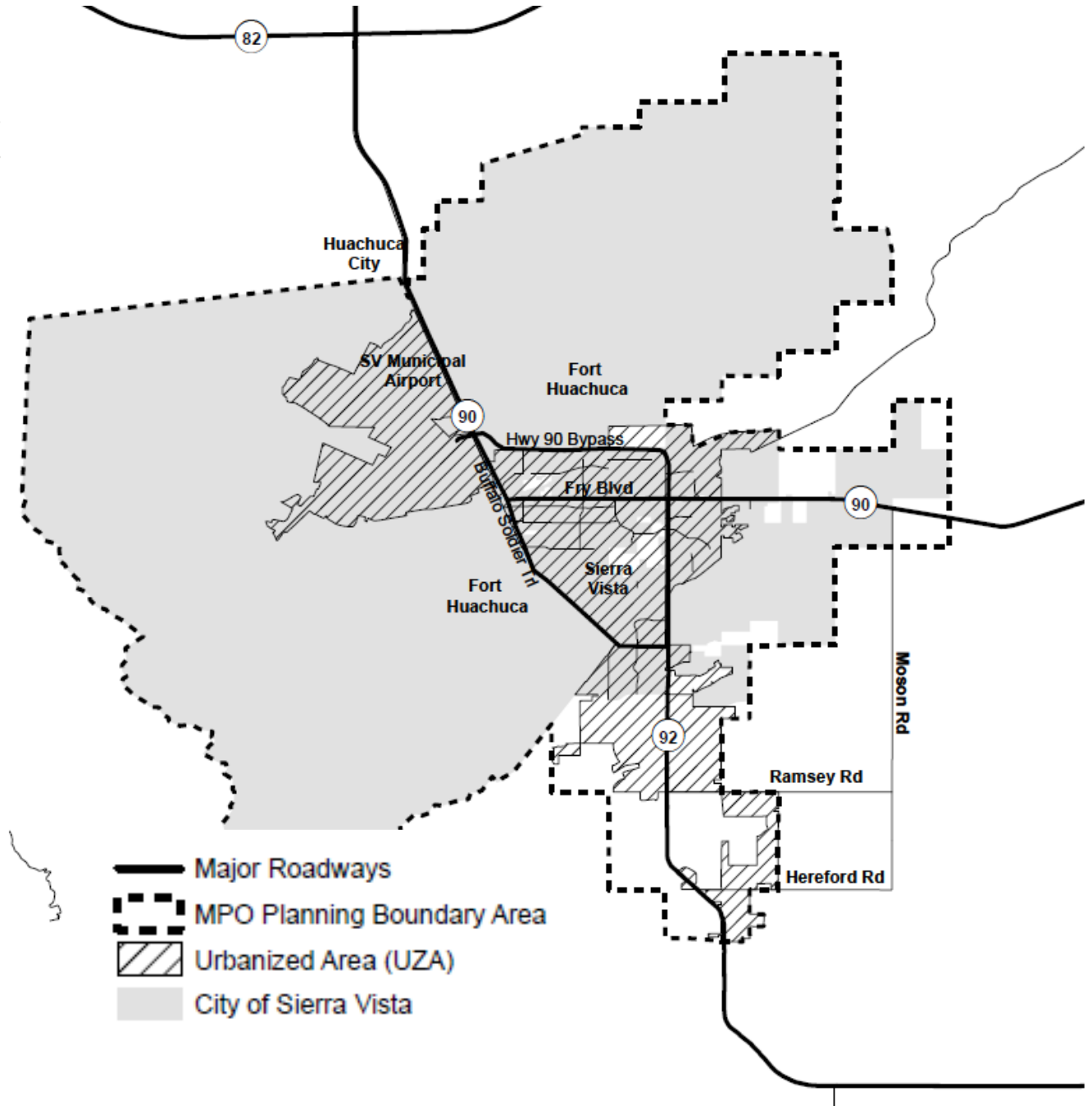
## **Technical Advisory Committee (TAC)**

The TAC consists of five (5) technical and managerial representatives from City of Sierra Vista (3); Cochise County (1); and Arizona Department of Transportation (1). The primary responsibilities of the TAC are to perform technical reviews and analysis regarding transportation and related activities and make recommendations to the Board of Directors.

## **Geographic Area**

The Sierra Vista Urbanized Area is located in southwest Cochise County. The SVMPO is responsible for the continuous, cooperative, and comprehensive transportation planning process for the SVMPO Planning area identified in Figure 1: SVMPO Planning Area and Urbanized Boundary.

Figure 1: SVMPO Planning Area and Urbanized Boundary



# Funding Sources

The SVMPO, as well as any other MPOs in the country, is dependent on federal funding for the operation of the MPO and to perform planning activities that are used to deliver a variety of projects for the region.

## 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 by 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 SVMPO 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.

Total Estimated Funding	Amount (Annual)
Planning Funds (PL)	\$118,141
State Planning & Research Funds (SPR)	\$125,000

## Federal Transit Administration (FTA) Funds – Section 5305

Section 5305 funds will be used for transit planning purposes in the Sierra Vista region. Use of Section 5305 funds is allowed for planning and technical studies related to transit. They are allocated from the Federal Transit Administration (FTA) through ADOT the regional planning agencies within the State. These funds require a 20% local match.

Total Estimated Funding	Amount (Annual)
Section 5305	\$23,039

## Surface Transportation Block Grant (STBG)

STP is a federal-aid highway flexible funding program that funds a broad range of surface transportation capital needs including roads, transit, airport access, and bicycle and pedestrian facilities. Transit related planning, research, and development activities are also eligible for the use of STP funds. These funds require a 5.7% local match.

Total Estimated Funding	Amount (Annual)
Surface Transportation Program Funds	\$293,380

## Highway Safety Improvement Program (HSIP) Funds

The purpose of the HSIP is to reduce traffic fatalities and incapacitating injuries on public roadways. Road safety improvements are accomplished through the development and implementation of a Regional Highway Safety Plan, which is a coordinated safety plan that provides a comprehensive framework for reducing highway fatalities and incapacitating injuries on all public roads.

Total Estimated Funding	Amount (Annual)
Highway Safety Improvement Program Funds (HSIP)	\$488,061

## Federal Transit Administration (FTA) Funds

Funds for the operation and maintenance of the Vista Transit

Total Estimated Funding	Amount (Annual)
Section 5307	\$1,258,800
Section 5309	128,000

## Process

The Sierra Vista MPO updates the TIP on a regular basis and in doing so strives to include the public in decision-making. Annually, the SVMPO local jurisdictions submit projects for inclusion into the TIP. These projects are reviewed in an open public meeting by the Technical Advisory Committee (TAC). Each project to be considered for the TIP is required to be fiscally constrained.

Figure 2: TIP Development Process



Figure 3: TIP Amendment Process



# Transit

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## **Vista Transit**

Sierra Vista currently has one public service transit operator, Vista Transit. Vista Transit operates throughout the city limits of Sierra Vista and Fort Huachuca with five local fixed routes and a sixth Saturday route providing service to Fort Huachuca. Vista Transit contains an extensive network of bus stops, and its assets include a fleet of 13 buses as well as a centrally located Transit Center built in 2007. Transit in the SVMPO region is characterized by connecting residents to major activity centers within the city.



# SVMPO BALANCE SHEET

## Surface Transportation Block Grant (STBG) Funds

Fiscal Year	Federal Fund	Available Funds	Federal Funds Programed / Loaned / Remaining Balance	Loan Repayment	Loan	Transfer	Repay	Note
<b>2016</b>								
	STBG	\$544,538			To SEAGO		FY17	
	STBG	\$69,870			To SEAGO		FY17	
<b>TOTALS 2016</b>			\$0 / \$907,788 / \$0					
<b>2017</b>								
	STBG	\$837,767		From SEAGO				
	STBG	\$293,380						Annual Apportionment
	STBG	\$69,870		From SEAGO				
	STBG	\$1,212,842			To MAG		FY19	
<b>TOTALS 2017</b>			\$0 / \$1,212,842 / \$0					
<b>2018</b>								
	STBG	\$293,380						North Garden/Fry Design
	STBG	\$473,063		From MAG				To loan
<b>TOTALS 2018</b>			\$293,380 / \$TBD / \$0					
<b>2019</b>								
	STBG	\$293,380						Annual Apportionment
	STBG	\$1,212,842		From MAG				N. Garden/Fry Construction
	STBG	\$560,000		From MAG				FY17 HSIP Repayment
<b>TOTALS 2019</b>			\$2,066,222 / \$0/ \$0					
2020	STBG	\$293,380						Annual Apportionment
2021	STBG	\$293,380						Annual Apportionment
2022	STBG	\$293,380						

## Highway Safety Improvement Program (HSIP) Funds

Fiscal Year	Federal Fund	Available Funds	Loan Repayment	Loan	Transfer	Note
2016	HSIP	\$473,063		To MAG		Repay with STP-Other Apportionment
2017	HSIP	\$496,377	From SEAGO			
2017	HSIP	\$496,377				Annual Apportionment
2017	HSIP	\$560,000		To MAG		Repay in FY19 in STBG
2017	HSIP	\$280,500		To SEAGO		Repay in FY18
2017	HSIP	\$141,056		To FMPO		Repay in FY18
2018	HSIP	\$496,377				Annual Apportionment, Regional Safety Plan Recommendations
2018	HSIP	\$280,500	From SEAGO			Regional Safety Plan Recommendations
2018	HSIP	\$141,056	From FMPO			Regional Safety Plan Recommendations
2019	HSIP	\$0 *				

\* In Fiscal Year 2019, the MPO will no longer receive an annual apportionment of HSIP Funds and funding for safety projects will be a State-wide competitive bid process managed by ADOT.

## Transportation Projects of Regional Significance (Not funded by SVMPO)

Fiscal Year	Project Sponsor	Roadway	Project Location	Project Description	Length	Funding Source	Cost
<b>2017</b>							
	Sierra Vista	Coronado Drive	Between Busby & Golf Links	Widen Roadway from 2 to 4 lanes	½ Mile	Development Fees	\$1.2 Million
	Sierra Vista	Varies	Varies	Annual Road Maintenance		HURF	\$3.8 Million
	Sierra Vista	Avenida Cochise	East of Hwy 92	Resurface Roadway		HURF	\$500K
<b>2018</b>							
	ADOT	SR 90 & SR 90 Bypass	Intersection	Upgrade intersection adding additional turn lanes		STP	\$2.5 Million
	Sierra Vista	Varies	Varies	Annual Road Maintenance		HURF	\$3.8 Million
	ADOT	SR 92 / Foothills Drive	Intersection	Upgrade signal and intersection safety improvements		HSIP	\$1.4 Million
	ADOT	SR 92	Between SR 90 and Kachina	Resurface Roadway		STP	\$4.2 Million
<b>2019</b>							
	Sierra Vista	Varies	Varies	Annual Road Maintenance		HURF	\$3.8 Million

TIP

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See attachments



# SVMPO Transit TIP FY 2018 - 2022

ID #	SPONSOR	PROJECT Description	TYPE WORK	FED AID TYPE	APPORTIONMENT YEAR	FED FUNDING	LOCAL MATCH	TOTAL COST	FED ALI CODE
<b>FISCAL YEAR 2018 (7/1/17 - 6/30/18)</b>									
SVT18-01	City of Sierra Vista	Personnel	Planning	5307	2017/2018	\$73,600	\$18,400	\$92,000	44.21.00
SVT18-02	City of Sierra Vista	Other Expenses (Audit, Planning Supplies)	Planning	5307	2017/2018	\$7,200	\$1,800	\$9,000	11.80.00
SVT18-03	City of Sierra Vista	Planning- Projects	Planning	5307	2017/2018	\$40,000	\$10,000	\$50,000	30.09.01
SVT18-04	City of Sierra Vista	Personnell	Operations	5307	2017/2018	\$350,000	\$350,000	\$700,000	11.7A.00
SVT18-05	City of Sierra Vista	Other Operating (Fuel and Oil, Utilities etc)	Operations	5307	2017/2018	\$140,000	\$140,000	\$280,000	
SVT18-06	City of Sierra Vista	Replacement Rolling Stock	Capital	5307	2017/2018	\$144,000	\$36,000	\$180,000	11.7I.11
SVT18-07	City of Sierra Vista	Vehicle Preventative Maintenance	Capital	5307	2017/2018	\$132,000	\$33,000	\$165,000	11.7D.00
SVT18-08	City of Sierra Vista	Expansion Rolling Stock	Capital	5307	2017/2018	\$144,000	\$36,000	\$180,000	11.7C.00
SVT18-09	City of Sierra Vista	Bus Shelters	Capital	5307	2017/2018	\$20,000	\$5,000	\$25,000	11.42.20
SVT18-10	City of Sierra Vista	Bus Pull Out Construction	Capital	5307	2017/2018	\$112,000	\$28,000	\$140,000	
SVT18-11	City of Sierra Vista	Enunciators/Automated Passenger Counters	Capital	5307	2017/2018	\$96,000	\$24,000	\$120,000	
SVT18-12	City of Sierra Vista	Replacement Bus	Capital	5339	2017/2018	\$128,000	\$32,000	\$160,000	11.12.04
<b>Fiscal Year Total</b>						<b>\$1,386,800</b>	<b>\$682,200</b>	<b>\$2,101,000</b>	
<b>FISCAL YEAR 2019 (7/1/18 - 6/30/19)</b>									
SVT19-01	City of Sierra Vista	Personnel	Planning	5307	2018/2019	\$76,000	\$19,000	\$95,000	44.21.00
SVT19-02	City of Sierra Vista	Other Expenses (Audit, Planning Supplies)	Planning	5307	2018/2019	\$8,000	\$2,000	\$10,000	11.80.00
SVT19-03	City of Sierra Vista	Planning- Projects	Planning	5307	2018/2019	\$0	\$0	\$0	30.09.01
SVT19-04	City of Sierra Vista	Personnell	Operations	5307	2018/2019	\$365,000	\$365,000	\$730,000	11.7A.00
SVT19-05	City of Sierra Vista	Other Operating (Fuel and Oil, Utilities etc)	Operations	5307	2018/2019	\$142,500	\$142,500	\$285,000	11.7I.11
SVT19-06	City of Sierra Vista	Replacement Rolling Stock (2)	Capital	5307	2018/2019	\$296,000	\$74,000	\$370,000	11.7D.00
SVT19-07	City of Sierra Vista	Vehicle Preventative Maintenance	Capital	5307	2018/2019	\$132,000	\$33,000	\$165,000	11.7C.00
SVT19-08	City of Sierra Vista	Expansion Rolling Stock	Capital	5307	2018/2019	\$144,000	\$36,000	\$180,000	11.42.20
SVT19-09	City of Sierra Vista	Bus Shelters	Capital	5307	2018/2019	\$20,000	\$5,000	\$25,000	
SVT19-10	City of Sierra Vista	Bus Pull Out Construction	Capital	5307	2018/2019	\$112,000	\$28,000	\$140,000	
<b>Fiscal Year Total</b>						<b>\$1,295,500</b>	<b>\$704,500</b>	<b>\$2,000,000</b>	
<b>FISCAL YEAR 2020 (7/1/19 - 6/30/20)</b>									
SVT20-01	City of Sierra Vista	Personnel	Planning	5307	2019/2020	\$76,000	\$19,000	\$95,000	44.21.00
SVT20-02	City of Sierra Vista	Other Expenses (Audit, Planning Supplies)	Planning	5307	2019/2020	\$8,000	\$2,000	\$10,000	11.80.00
SVT20-03	City of Sierra Vista	Planning- Projects	Planning	5307	2019/2020	\$0	\$0	\$0	30.09.01
SVT20-04	City of Sierra Vista	Personnell	Operations	5307	2019/2020	\$365,000	\$365,000	\$730,000	11.7A.00
SVT20-05	City of Sierra Vista	Other Operating (Fuel and Oil, Utilities etc)	Operations	5307	2019/2020	\$142,500	\$142,500	\$285,000	11.7I.11
SVT20-06	City of Sierra Vista	Replacement Rolling Stock (2)	Capital	5307	2019/2020	\$296,000	\$74,000	\$370,000	11.7D.00
SVT20-07	City of Sierra Vista	Vehicle Preventative Maintenance	Capital	5307	2019/2020	\$132,000	\$33,000	\$165,000	11.7C.00
SVT20-08	City of Sierra Vista	Expansion Rolling Stock	Capital	5307	2019/2020	\$144,000	\$36,000	\$180,000	11.42.20
SVT20-09	City of Sierra Vista	Bus Shelters	Capital	5307	2019/2020	\$20,000	\$5,000	\$25,000	
<b>Fiscal Year Total</b>						<b>\$1,183,500</b>	<b>\$676,500</b>	<b>\$1,860,000</b>	
<b>FISCAL YEAR 2021 (7/1/20 - 6/30/21)</b>									

SVT21-01	City of Sierra Vista	Personnel	Planning	5307	2020/2021	\$80,000	\$20,000	\$100,000	44.21.00
SVT21-02	City of Sierra Vista	Other Expenses (Audit, Planning Supplies)	Planning	5307	2020/2021	\$9,600	\$2,400	\$12,000	11.80.00
SVT21-03	City of Sierra Vista	Planning- Projects	Planning	5307	2020/2021	\$16,000	\$4,000	\$20,000	30.09.01
SVT21-04	City of Sierra Vista	Personnell	Operations	5307	2020/2021	\$367,500	\$367,500	\$735,000	11.7A.00
SVT21-05	City of Sierra Vista	Other Operating (Fuel and Oil, Utilities etc)	Operations	5307	2020/2021	\$145,000	\$145,000	\$290,000	11.71.11
SVT21-06	City of Sierra Vista	Replacement Rolling Stock	Capital	5307	2020/2021	\$160,000	\$40,000	\$200,000	11.7D.00
SVT21-07	City of Sierra Vista	Vehicle Preventative Maintenance	Capital	5307	2020/2021	\$136,000	\$34,000	\$170,000	11.7C.00
SVT21-08	City of Sierra Vista	Expansion Rolling Stock	Capital	5307	2020/2021	\$160,000	\$40,000	\$200,000	11.42.20
SVT21-09	City of Sierra Vista	Bus Shelters	Capital	5307	2020/2021	\$20,000	\$5,000	\$25,000	
<b>Fiscal Year Total</b>						<b>\$1,094,100</b>	<b>\$657,900</b>	<b>\$1,752,000</b>	

**FISCAL YEAR 2022 (7/1/21 - 6/30/22)**

SVT21-01	City of Sierra Vista	Personnel	Planning	5307	2021/2022	\$80,000	\$20,000	\$100,000	44.21.00
SVT21-02	City of Sierra Vista	Other Expenses (Audit, Planning Supplies)	Planning	5307	2021/2022	\$9,600	\$2,400	\$12,000	11.80.00
SVT21-03	City of Sierra Vista	Planning- Projects	Planning	5307	2021/2022	\$16,000	\$4,000	\$20,000	30.09.01
SVT21-04	City of Sierra Vista	Personnell	Operations	5307	2021/2022	\$367,500	\$367,500	\$735,000	11.7A.00
SVT21-05	City of Sierra Vista	Other Operating (Fuel and Oil, Utilities etc)	Operations	5307	2021/2022	\$145,000	\$145,000	\$290,000	11.71.11
SVT21-06	City of Sierra Vista	Replacement Rolling Stock	Capital	5307	2021/2022	\$160,000	\$40,000	\$200,000	11.7D.00
SVT21-07	City of Sierra Vista	Vehicle Preventative Maintenance	Capital	5307	2021/2022	\$136,000	\$34,000	\$170,000	11.7C.00
SVT21-08	City of Sierra Vista	Expansion Rolling Stock	Capital	5307	2021/2022	\$160,000	\$40,000	\$200,000	11.42.20
SVT21-09	City of Sierra Vista	Bus Shelters	Capital	5307	2021/2022	\$20,000	\$5,000	\$25,000	
<b>Fiscal Year Total</b>						<b>\$1,094,100</b>	<b>\$657,900</b>	<b>\$1,752,000</b>	