

Smart Spines (ATCMTD) Project

The proposed project includes improvements to approximately 126 intersections along 8 corridors in the City of Pittsburgh. Improvements include new signals, addition of vehicular/pedestrian detection, audible pedestrian signals, countdown pedestrian signals and accessible ramps, and upgraded communications. The project also includes Downtown IT improvements; installation of an Ethernet radio system and a Vehicle Dedicated Short Range Communication (DSRC) system; and integration with Clever Devices. The total cost of the project in 2017 dollars is approximately \$29.9 million.



CITY OF PITTSBURGH

Department of Mobility and Infrastructure

William Peduto, Mayor

Karina Ricks, Director

July 28, 2017

Dr. James Hassinger
Executive Director
Southwestern Pennsylvania Commission
Two Chatham Center – Suite 500
112 Washington Place
Pittsburgh, PA 15219-3451

Attention: Tom Klevan
Re: FFY 2017-2020 TIP Amendment Request

Dear Dr. Hassinger:

City of Pittsburgh is requesting an amendment to the FY 2017-2020 TIP/STIP to add funding for the Smart Spines (ATCMTD) Project.

Smart Spines

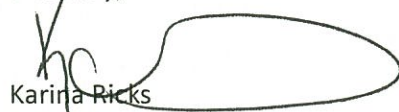
MPMS #109691

This amendment will add \$11,000,000 in State Section 073 Discretionary Funding and \$11,905,318 in Federal Funding SXF Funds and \$7,087,957 in Local Funding to FY 2019; total \$29,993,275. This amendment will provide additional funding for 126 intersections along eight corridors (Bigelow Boulevard Corridor, Forbes Avenue Corridor, Second Avenue Corridor, Fifth Avenue Corridor, Centre Avenue Corridor, Penn Avenue Corridor, Route 51 Corridor, and West Liberty Corridor). Improvements include new signals, addition of vehicular and pedestrian detection, audible pedestrian signals, countdown pedestrian signals and accessible ramps, and upgraded communications technology. The project also includes Downtown IT improvements (establishment of a traffic management center, addition of cameras to actively monitor and control signals, and addition of technology to monitor and report incidents), installation of an Ethernet radio system on the USX Tower to connect signals that are not currently connected by fiber (or within line of sight to other intersections that are connected by fiber), installation of a Vehicle Dedicated Short Range Communication (DSRC) system, and integration with Port Authority Vehicles.

The City of Pittsburgh requests that SPC take appropriate action to amend the FY 2017-2020 TIP/STIP at the next Southwestern Pennsylvania Commission meeting.

Please let me know if there are any questions regarding this request.

Sincerely,


Karina Ricks
Director

SmartPGH Scope of Work

The proposed project includes improvements to approximately 126 intersections along eight corridors (Bigelow Boulevard Corridor, Forbes Avenue Corridor, Second Avenue Corridor, Fifth Avenue Corridor, Centre Avenue Corridor, Penn Avenue Corridor, Route 51 Corridor, and West Liberty Corridor). Improvements include new signals, addition of vehicular and pedestrian detection, audible pedestrian signals, countdown pedestrian signals and accessible ramps, and upgraded communications.

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**SPC Metropolitan Planning Organization
(District 11)
FISCAL CONSTRAINT TABLE
FFY 2017-2020**

AMENDMENTS				Fund Type			FFY 2017			FFY 2018			FFY 2019			FFY 2020			FFY 2021+ (Later Fiscal Years)			TOTAL PROJECT	Remarks		
Project Title	SR	MPMS	Ph	Amts	Fed	Sta	Loc	FED17	STATE17	LOC17	FED18	STATE18	LOC18	FED19	STATE19	LOC19	FED20	STATE20	LOC20	FED	STATE	LOC		COST (EST.)	
Smart Spines (ATCMTD) City of Pittsburgh Allegheny County		109691	C	Before Adjust After	SXF SXF SXF	073 073 073	LOC LOC LOC				0 0 0			0 11,905,318 11,905,318	0 11,000,000 11,000,000	0 7,087,957 7,087,957				0 0 0			0 0 0	\$29.9M	Add CON phase to TIP. Federal funds are ATCMTD grant and. State funds are Green Light Go..
Administrative Actions				Fund Type			FFY 2017			FFY 2018			FFY 2019			FFY 2020			FFY 2021+ (Later Fiscal Years)			TOTAL	Remarks		
Project Title	SR	MPMS	Ph	Amts	Fed	Sta	Loc	FED17	STATE17	LOC17	FED18	STATE18	LOC18	FED19	STATE19	LOC19	FED20	STATE20	LOC20	FED	STATE	LOC	COST (EST.)		
				Before Adjust After										0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
				Before Adjust After				0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
				Before FFY Totals				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				FFY Adjustment Totals				0	0	0	0	0	0	11,905,318	11,000,000	7,087,957	0	0	0	0	0	0	0		Program Net Summary
				After FFY Totals				0	0	0	0	0	0	11,905,318	11,000,000	7,087,957	0	0	0	0	0	0	0		

**Table Funding
Types**

		Description
Federal	NHPP	National Highway Performance Program
	STP	Surface Transportation Program
	STU	Surface Transportation Program - Urban
	BOF	Bridge - Off System
	CAQ	Congestion Mitigation and Air Quality
	TAU	Transportation Alternatives Urban
	TAP	Transportation Alternatives State
	HSIP	Surface Transportation - Safety
	RRX	Surface Transportation - RRXing Elimination of Hazards
	sNHPP	Spike - NHPP
	sSTP	Spike - NHPP
	fSTP	Surface Transportation State Guidance Transit Flex
	SXF	Special Project - Federal Earmark
	TNH	National Highway System (100% Federal)
	STN	Surface Transportation - Non-Urban
	STP	Surface Transportation - Any Area in State
	STR	Surface Transportation - Rural Areas < 5,000
	STS	Surface Transportation - Safety
	IM	Interstate Maintenance
	STU	Surface Transportation - Urban Areas > 200,000
	STE	Surface Transportation - Enhancements
	SXF	Special Project
	TOLL	Toll Credits
APD	Appalachia Development	
APL	Appalachian Local Access	
State	179	County Act 26 Bridges
	183	Local Bridges
	185	State Highway Bridges
	581	Highway/Safety Improvements
	s185	Spike - State Bridges
	s581	Spike - State Highway
	582	Highway Maintenance
Local	PRI	Private
	LOC	Local
	OTH	Other
	TPK	Turnpike

Phase

S Study
PE Preliminary Engineering
FD Final Design
U Utilities
RW Right of Way
C Construction

County
Allegheny County
Armstrong County
Beaver County
Butler County
Fayette County
Greene County
Indiana County
Lawrence County
Washington County
Westmoreland County
Central Office