

BD101921 RESOLUTION NO. 22-12

RESOLUTION APPROVING SAN FRANCISCO'S PROGRAM OF PROJECTS FOR THE 2022 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, As Congestion Management Agency (CMA) for San Francisco, the Transportation Authority is responsible for programming San Francisco's county share of Regional Transportation Improvement Program (RTIP) funds, subject to approval by the Metropolitan Transportation Commission (MTC) and the California Transportation Commission (CTC); and

WHEREAS, The State Transportation Improvement Program (STIP) is a five-year investment plan for state transportation money, distributed through the RTIP and the Interregional Improvement Program, and is updated every two years by the CTC; and

WHEREAS, As Congestion Management Agency for San Francisco, the Transportation Authority is responsible for prioritizing San Francisco's share of RTIP funds and to guide that process, the agency has longstanding RTIP priorities (Attachment 1) which designate the San Francisco Municipal Transportation Agency's (SFMTA's) Central Subway as the highest priority for the next \$29,669,654 in RTIP funds; and

WHEREAS, Per CTC guidelines, the Transportation Authority cannot program RTIP funds directly to the Central Subway because all the contracts have been awarded; thus, the Transportation Authority honors this commitment by programming RTIP to other SFMTA RTIP-eligible projects; and

WHEREAS, For the 2022 RTIP, San Francisco has a total of \$11,202,000 in new funds that can be programmed in Fiscal Years 2025/26 through 2026/27 to RTIP-eligible projects (Attachment 2) and the Transportation Authority must submit its Board approved 2022 RTIP priorities to MTC by November 1, 2021; and

WHEREAS, CTC guidelines allow a portion of RTIP funds to be used for Planning, Programming, and Monitoring (PPM) activities such as regional transportation planning, program development, and oversight of state and federally funded projects; and

WHEREAS, MTC and the CMAs have a long-standing arrangement to split PPM funds in recognition of the role each agency plays in advancing the state's transportation goals; and

WHEREAS, Transportation Authority staff recommended programming \$380,000 for the Transportation Authority and \$180,000 for MTC in PPM funds, as shown in Attachment 3;



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and

WHEREAS, At SFMTA's request and after evaluating the project against the CTC's and MTC's guidelines, Transportation Authority staff recommended programming the remaining \$10,642,000 in RTIP funds to the construction phase of the SFMTA's Communications-Based Train Control - Phase 3 N Judah project (see Attachment 3), which will support reliable, safe, fast, and high-frequency rail transit along the N Judah line, from the Duboce Portal to the Ocean Beach terminus; and

WHEREAS, Attachment 4 contains additional detail on the scope, schedule, cost and funding for the PPM funds and the Communications-Based Train Control - Phase 3 N Judah project; and

WHEREAS, At its September 22, 2021 meeting, the Community Advisory Committee considered the staff recommended 2022 RTIP Program of Projects and unanimously adopted a motion of support for the staff recommendation; now, therefore let it be

RESOLVED, That the Transportation Authority hereby approves San Francisco's program of projects for the 2022 RTIP as summarized in Attachment 3; and be it further

RESOLVED, That the Executive Director is authorized to communicate this information to MTC by its deadline and to all other relevant agencies and interested parties.

Attachments:

- Attachment 1 Remaining RTIP Commitments
- Attachment 2 2022 RTIP New Funds Available
- Attachment 3 Proposed Program of Projects
- Attachment 4 Project Programming Request Forms (2)



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The foregoing Resolution was approved and adopted by the San Francisco County Transportation Authority at a regularly scheduled meeting thereof, this 26th day of October, 2021, by the following votes:

Ayes: Commissioners Chan, Haney, Mandelman, Mar, Melgar,

Peskin, Preston, Ronen, Safai, Stefani, and Walton (11)

Date

Nays: (0) **Absent:** (0)

Pocusigned by:

Kafaul Mandulman 4/5/2022

Rafael Mandelman Date

Chair

DocuSigned by:

ATTEST:

Tilly Chang 4/4/2022 FFD2528AB8BE40B...

Tilly Chang
Executive Director

Page 3 of 3

Attachment 1

San Francisco County Transportation Authority

Draft Remaining Regional Improvement Program (RIP) Commitments¹

Last Amended September 2021

	Initial RIP	Current Remaining	Proposed New	Proposed Remaining
Project ²	Commitment	RIP Commitment	Funds	RIP Commitment
Presidio Parkway [Fulfilled]	\$84,101,000	\$0		\$0
Central Subway [1st priority] ³	\$92,000,000	\$29,669,654	\$10,642,000	\$19,027,654
MTC STP/CMAQ Advance for Presidio Parkway				
[2nd priority, see updated footnote] 4	\$34,000,000	\$34,000,000		\$34,000,000
Caltrain Downtown Extension[3rd priority] ⁵	\$28,000,000	\$17,847,000		\$17,847,000
Caltrain Electrification [Fulfilled]	\$24,000,000	\$0		\$0
Total	\$262,101,000	\$81,516,654	\$10,642,000	\$70,874,654

¹ Based on Transportation Authority Board-adopted priorities (Resolution 14-25, Approved October 22, 2013).

Staff is proposing to program the \$10,642,000 in available 2022 RIP funds to SFMTA for the Communications-Based Train Control - Phase 3 N Judah project, reducing the outstanding commitment to the Central Subway by a commensurate amount.

On September 22, 2021 as part of its approval of the 2022 RTIP guidelins, the MTC is anticipated to reduce the Transportation Authority's remaining commitment by \$3 million, contingent on the Transportation Authority allocating \$3 million in local funds to serve as MTC's contribution to the next phase of project development for the Caltrain Downtown Extension project.

² Acronyms include California Transportation Commission (CTC), Congestion Mitigation and Air Quality (CMAQ), Metropolitan Transportation Commission (MTC), San Francisco County Transportation Authority (SFCTA), San Francisco Municipal Transportation Agency (SFMTA), and Surface Transportation Program (STP).

³ Central Subway is currently the SFCTA's highest priority for future RIP funds. Since the RIP funds were unavailable when SFMTA was awarding the construction contracts, we are honoring this commitment by programming new RIP funds when they become available to other SFMTA eligible projects to comply with CTC guidelines or by programming other SFCTA funds to Central Subway.

⁴ Through Resolution 12-44, the SFCTA accepted MTC's proposed advance of \$34 million in STP/CMAQ funds for Presidio Parkway to be repaid with future county share RIP funds. Repayment of the advance, i.e. by programming RIP funds to a project or projects of MTC's choice, is the second priority after the Central Subway.

Attachment 2

2022 Regional Transportation Improvement Program (RTIP) New Funds Available for San Francisco

The 2022 RTIP covers five years (Fiscal Years (FYs) 2022/23 – 2026/27). However, the California Transportation Commission has advised that new project programming is only available in the last two years: FY 2025/26 and FY 2026/27.

Programming Category	San Francisco County Share – New Programming	Eligible Activities			
Planning, Programming, and Monitoring	SFCTA: \$380,000	transportation planning, program development, and project monitoring. MTC and the CMAs			
(PPM)	MTC: \$180,000	PPM in recognition of the role each agency pla			
Capital Projects	\$10,642,000	Capital projects to improve transportation, including highways, local roads, and bicycle and pedestrian facilities, and transit projects. For the 2022 RTIP, transit projects must be State Constitution Article XIX compliant (e.g. no rolling stock) or must seek federal-only funding. Can fund environmental, design, right of way and construction phases.			
Total:	\$11,202,000				

Attachment 3 San Francisco 2022 Regional Transportation Improvement Program (RTIP) Programming Priorities - Proposed

Project Totals by Fiscal Year (\$ 1,000's)
CTC has advised that new project programming is only available in FYs 2025/26 and 2026/27.

Agency 1	Project	Total	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26	FY 2026/27	Phase
New 2022 RTIP Pr	ogramming Priorities							
SFMTA	Communications-Based Train Control - Phase 3 N Judah	\$10,642				\$10,642		Construction
SFCTA	Planning, Programming, and Monitoring	\$380				\$380		n/a
MTC	Planning, Programming, and Monitoring	\$180				\$89	\$91	n/a
Propos	ed 2022 RTIP Programming	\$11,202	\$0	\$0	\$0	\$11,111	\$91	
,	Total RTIP Funds Available	\$11,202						

Total RTIP Funds Available \$11,202
Surplus/(Shortfall) \$0

Acronyms include the Metropolitan Transportation Commission (MTC), San Francisco County Transportation Authority (SFCTA), and San Francisco Municipal Transportation Agency (SFMTA).

PROJECT PROGRAMMING REQUEST

ADA Notice

DTP-0001 (Revised 11 May 2020 v8.01k)

General Instructions

Amendment (Exi	sting Project)	Yes					Date:	09/16/21
District	EA	Project	: ID	PPNO	MPO I	D		
04		0420000		2007	SF-1700	002		
County	Route/Corri	dor PM Bk	PM Ahd		Nomina	ating Agen	CV	
SF				S	an Francisco Coun		-	ority
					MPO	-,	Eleme	
					-			ant.
					MTC		LA	
Project Ma	anager/Contact	Ph	one		E-ma	il Address		
Amb	er Crabbe	(415)52	22-4801		amber.cra	abbe@sfcta	ı.org	
Project Title		<u> </u>				_		
Planning, Progra	mming and Mon	itoring						
		_	£ \A/ o mls\					
	•	ription (Scope o	or work)					
Planning, Progra	mming and ivion	itoring						
Component				Impleme	nting Agency			
PA&ED	San Franc	isco County Tran	eportation Au		nung Agency			
PS&E	San Franc	isco County Trans	sportation At	utilonty				
Right of Way	0 5			0. 9				
Construction		isco County Tran	sportation Au	uthority				
Legislative Dist		-	•		•		_	
Assembly:	17,1	9 Sena	ate:	11	Congressi	ional:		12,14
Project Benefits								
The project supp	orts timely proje	ct management a	nd oversight.	•				
Purpose and Ne	a d							
		da inaluda manita	ring STID pro	niget implemen	ntation, including tin	achy ugo of	fundo proje	act delivery and
		e California Trans				iely use of	iulius, proje	ect delivery, and
compliance with	State law and th	e California Trans	sportation Co	illillissioners (juluelines.			
	Category			Outp	uite		Unit	Total
	Category			Out	uts		Offic	Total
NII 10 1						D "		
NHS Improvem			Roadway C	lass			e Lane ana	-
lnc. Sustainable Co	mmunities Strategy	y Goals	Υ		Reduces Green	house Gas	Emissions	N
Project Milestor	1е					E	xisting	Proposed
Project Study Re	port Approved							
Begin Environme	ental (PA&ED) P	hase						
Circulate Draft E	nvironmental Do	cument	Docui	ment Type				
Draft Project Rep	oort							
End Environmen		ED Milestone)						
Begin Design (P								
		t for Advertisemer	nt Milestone)					
Begin Right of W								
		of Way Certificatio						
Begin Constructi	on Phase (Contr	act Award Milesto	ne)					
End Construction	n Phase (Constru	uction Contract Ad	cceptance Mi	lestone)				
Begin Closeout F								
End Closeout Ph	ase (Closeout R	leport)						

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PROJECT PROGRAMMING REQUEST

DTP-0001 (Revis	DTP-0001 (Revised 11 May 2020 v8.01k)										
District	County	Route	EA	Project ID	PPNO						
04	SF			0420000372	2007						
Project Title:	oject Title: Planning, Programming and Monitoring										

	Existing Total Project Cost (\$1,000s)											
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26+	Total	Implementing Agency			
E&P (PA&ED)	65							65	San Francisco County			
PS&E												
R/W SUP (CT)												
CON SUP (CT)									San Francisco County			
R/W												
CON	5,052	260	259	259	46	199		6,075	San Francisco County			
TOTAL	5,117	260	259	259	46	199		6,140				
		Prop	osed Total	Project Cos	t (\$1,000s)				Notes			
E&P (PA&ED)	65							65				
PS&E												
R/W SUP (CT)												
CON SUP (CT)												
R/W									1			
CON	5,052	260	419	259	46	199	380	6,615				
TOTAL	5,117	260	419	259	46	199	380	6,680				

Fund No. 1:	RIP - State	Cash (ST-C	ASH)						Program Code
			Existing F	unding (\$1,	000s)				20.30.600.670
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26+	Total	Funding Agency
E&P (PA&ED)	65							65	MTC
PS&E									\$52 CON voted 01/26/01
R/W SUP (CT)									\$58 CON voted 05/21/03
CON SUP (CT)									\$59 CON voted 02/26/04
R/W									\$65 PAED voted 07/14/05 \$65 CON voted 03/15/07
CON	5,052	260	259	259	46	199			\$466 CON voted 07/26/07
TOTAL	5,117	260	259	259	46	199		6,140	\$541 CON voted 07/24/08
			Proposed F	unding (\$1	,000s)				Notes
E&P (PA&ED)	65							65	
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON	5,052	260	419	259	46	199	380	6,615	
TOTAL	5,117	260	419	259	46	199	380	6,680	

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

PROJECT PROGRAMMING REQUEST

ADA Notice

บาP-0001 (Revis	ed Mar, 1 2018 v7	r.08)					Genera	al Instructions
Amendment (Exis	sting Project) N	No					Date:	09/16/21
District	EA	Proje	ect ID	PPNO	MPO ID		Alt P	roj. ID / prg.
04				2137				
County	Route/Corrido	r PMB	k PM Ahd		Project Sponso	r/Lead A	gency	
SF					SFM			
				М	PO		Eleme	nt
					TC		MT	
D : (1)	12 1 1		0.1	IVI			IVII	
	anager/Contact		Phone		E-mail A			
	Howard	(415) 565-3642		dan.howard@	<u> Dsfmta.c</u>	<u>om</u>	
Project Title								
Comunications-B	ased Train Contro	l - Phase 3 N	l Judah					
Location (Project	t Limits), Descrip	ption (Scop	e of Work)					
				esses the greates	t potential of any sing	gle inves	tment to b	olster SFMTA
					roject (TCUP) is a ter			
					ırrently installed on M			
					requency rail transit t			
					along the N Judah li			
					g Judah Street, conn			
destinations dowr	ntown and offering	transfers fro	m the Market	Street Subway (c	ontinues on next tab)).		
Component				Implement	ing Agency			
PA&ED	SFMTA			·				
PS&E	SFMTA							
Right of Way	NA							
Construction	SFMTA							
Legislative Distr								
Assembly:	17,19	Is.	enate:	11	Congressiona	al·		12,14
Project Benefits		100	mate.		Congressions	A1.		12,11
system. Purpose and Ne The SFMTA Mun designed more th	ed i Metro uses a cer	ntralized train	control system	n in the Market S	treet Subway (the co	re segme	ent). The s	ystem was
	Category			Outputs/Ou	tcomes		Unit	Total
Intercity Rail/Mas	s Trans	Ol	perational impr	ovements			Miles	9.5
ADA Improveme	ents N		Bike/Ped Impr	ovements N	R	eversible	Lane ana	<mark>ılysis</mark> N
Inc. Sustainable Cor	mmunities Strategy G	Goals	Υ		Reduces Greenhou	se Gas I	Emissions	Υ
Project Mileston	16					l Ex	kisting	Proposed
Project Study Re						11/30		
	ntal (PA&ED) Pha	ise						08/01/21
	nvironmental Docu			Document Type	CE/CE			TBD
Draft Project Rep	ort			7.				TBD
	al Phase (PA&ED	Milestone)						07/01/22
Begin Design (PS	S&E) Phase	•						10/29/25
End Design Phas	se (Ready to List fo	or Advertisen	nent Milestone)				08/01/26
Begin Right of Wa								NA
	/ Phase (Right of \	Nay Certifica	tion Milestone)				NA
	on Phase (Contrac							08/01/26
	Phase (Construct			lilestone)				08/01/27
Begin Closeout P	hase			·				12/31/29
End Closeout Pha	ase (Closeout Rep	oort)						09/30/30

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STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised Mar, 1 2018 v7.08)

Additional Information

LOCATION (PROJECT LIMITS), DESCRIPTION (SCOPE OF WORK) (Full language):A Communications-Based Train Control (CBTC) system possesses the greatest potential of any single investment to bolster SFMTA Muni's light rail system's efficiency and reliability. The Train Control Upgrade Program (TCUP) is a tenyear capital program that will procure a new CBTC system to replace the aging train control signal system currently installed on Muni Metro. It will provide operations and service planning staff the tools necessary to deliver reliable, speedy, high-frequency rail transit to, from, and within downtown San Francisco. The focus of this STIP request is Phase 3, the construction of CBTC along the N Judah line, from the Duboce Portal to the Ocean Beach terminus. Phase 3 serves eight Muni Metro surface stations along Judah Street, connecting residents of the Sunset to destinations downtown and offering transfers from the Market Street Subway.

Date: 09/16/21

The system will be installed in seven phases, first piloting CBTC on the surface and then moving into the subways and the rest of the surface-running light rail system. Previously programmed STIP funds are planned for phases 1 and 2. Phase 1 brings CBTC to the surface between 23rd Street and the subway portal at Market Street. This segment of nine stations serves the new Chase Center (Warriors arena), Oracle Park (Giants stadium) as well as Muni Metro East, one of SFMTA's two light rail maintenance facilities. Following this installation, Phase 2 will be installed throughout the Market Street tunnel between Embarcadero and West Portal Stations and along the Central Subway alignment. Phase 2 serves nine underground Muni Metro subway stations and represents the heart of the light rail system along which all lines converge, including Central Subway's two surface and two subway stations. The five subsequent phases will bring CBTC to the entirety of the 75-mile Muni Metro system.

PURPOSE & NEED (Full language): The SFMTA Muni Metro uses a centralized train control system in the Market Street Subway (the core segment). The system was designed more than three decades ago and relies on outdated technology and equipment. The train control system provides two critical benefits to our operations:

- 1) essential safety features to ensure light rail vehicles never collide while operating underground.
- 2) lower passenger travel times under a computerized system.

This system keeps vehicles safely and evenly spaced, permitting lower headways than could be achieved under manual operation. Today's SFMTA train control system is beyond its useful life and over capacity. The majority of the LRV network, including the N Judah line described in Phase 3, is governed by line-of-sight rules and signals working in isolation. The full CBTC system installation will expand the centralized vehicle control beyond the Market Street tunnel and along all surface lines. This will permit a more coordinated and centralized management of the entirety of our light rail system by using integrated signals to better manage vehicle flows along the surface, directly translating to faster and more reliable travel times for passengers. Additionally, CBTC will incorporate decades of technological improvements resulting in more flexible operations, lower operating and maintenance costs, and a better and more intuitive user interface.

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised 13 Aug 2019 v8.01g) Date: 9/16/21

District	County	Route	EA	Project ID		PPNO					
04	SF					2137	0				
Project Title:	Project Title: Comunications-Based Train Control - Phase 3 N Judah										

			Exist	ing Total Pro	ject Cost (\$1,	000s)				
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total	Implementing Agency
E&P (PA&ED	0	0	0	0	0	0	0	0	0	SFMTA
PS&E	0	0	0	0	0	0	0	0	0	SFMTA
R/W SUP (C1	0	0	0	0	0	0	0	0	0	NA
CON SUP (C	0	0	0	0	0	0	0	0	0	NA
R/W	0	0	0	0	0	0	0	0	0	NA
CON	0	0	0	0	0	0	0	0	0	SFMTA
TOTAL	0	0	0	0	0	0	0	0	0	
			Propo	sed Total Pro	ject Cost (\$1	,000s)				Notes
E&P (PA&ED	0	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	1,250	3,450	0	4,700	
R/W SUP (C1	0	0	0	0	0	0	0	0	0	
CON SUP (C	0	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	16,336	4,139	20,475	
TOTAL	0	0	0	0	0	1,250	19,786	4,139	25,175	

Fund No. 1:	STIP									Program Code
				Existing Fund	ding (\$1,000s))				
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total	Funding Agency
E&P (PA&ED)									0	CTC, Caltrans
PS&E									0	
R/W SUP (CT)									0	
CON SUP (CT)								0	
R/W									0	
CON									0	
TOTAL	0	0	0	0	0	0	0	0	0	
				Proposed Fun	ding (\$1,000s	s)				Notes
E&P (PA&ED)									0	
PS&E									0	
R/W SUP (CT)									0	
CON SUP (CT)								0	
R/W									0	
CON							10,642		10,642	
TOTAL	0	0	0	0	0	0	10,642	0	10,642	

Fund No. 2:	Transportation	on Sustainab	ility Fee (TSF)		•	•				Program Code
				Existing Fund	ding (\$1,000s)					
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total	Funding Agency
E&P (PA&ED)									0	SFMTA
PS&E									0	
R/W SUP (CT)								0	
CON SUP (CT									0	
R/W									0	
CON									0	
TOTAL	0	0	0	0	0	0	0	0	0	
				Proposed Fun	iding (\$1,000s	s)				Notes
E&P (PA&ED)									0	
PS&E							3,450		3,450	
R/W SUP (CT)								0	
CON SUP (CT)								0	
R/W									0	
CON									0	
TOTAL	0	0	0	0	0	0	3,450	0	3,450	

Fund No. 3: SB1 State of Good Repair (SGR)										Program Code
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total	Funding Agency
E&P (PA&ED)	,								0	Caltrans
PS&E									0	
R/W SUP (CT)								0	
CON SUP (CT	_)								0	
R/W									0	
CON									0	
TOTAL	0	0	0	0	0	0	0	0	0	
				Proposed Fun	ding (\$1,000s	s)				Notes
E&P (PA&ED)	1								0	
PS&E									0	
R/W SUP (CT)								0	
CON SUP (CT)								0	
R/W									0	
CON							2,200		2,200	
TOTAL	0	0	0	0	0	0	2,200	0	2,200	

Fund No. 4:	Transit Capit	Program Code								
Component	Prior	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total	Funding Agency
E&P (PA&ED)									0	Federal Transit Administration
PS&E									0	
R/W SUP (CT)								0	
CON SUP (CT)								0	
R/W									0	
CON									0	
TOTAL	0	0	0	0	0	0	0	0	0	
				Proposed Fun	iding (\$1,000s	s)				Notes
E&P (PA&ED)									0	
PS&E						1,250			1,250	
R/W SUP (CT)								0	
CON SUP (CT)								0	
R/W									0	
CON							3,494	4,139	7,633	
TOTAL	0	0	0	0	0	1,250	3,494	4,139	8,883	

Preliminary Project Phasing

