

PLAN. BUILD. MOVE



July 3, 2024

Ms. Tanisha Taylor
Executive Director
California Transportation Commission
1120 N Street, MS 52
Sacramento, CA 95814

Dear Executive Director Taylor,

The San Bernardino County Transportation Authority (SBCTA) is pleased to submit the **National Trails Highway Bridge Replacements Project** in partnership with San Bernardino County for consideration in the formulaic Senate Bill 1 (SB1) Local Partnership Program (LPP). SBCTA is the nominating agency for the project and San Bernardino County will be the implementing agency. The total project cost is \$98,281,000 and requested LPP programming totals \$5,776,000.

The National Trails Highway Bridge Replacements Project includes the rehabilitation of a 130-mile stretch of National Trails Highway across the Mojave Desert between the towns of Barstow and Needles. This stretch, the longest remaining original section of Route 66, includes 128 historic timber bridges built between 1929 and 1931 and is designated as a National Historic Trail by the National Park Service. The requested LPP programming and allocation will be used to partially fund the replacement of 33 of the 128 bridges. Nearing a century old, these bridges have far exceeded their useful life and are in need of being replaced.

The National Trails Highway Bridges Replacement Project addresses existing gaps in service in a vital rural transportation corridor. The project will improve goods movement to the area and surrounding regions that depend on this road and will provide a detour option from I-40, as the National Trails Highway currently offers the only bypass to a 96-mile section of the interstate. A full closure in this area would result in national impacts to interstate commerce, national security, and the preservation of one of America's historical treasures, Route 66. This project will minimize road closures and remove the weight restrictions that currently prevent large vehicles from using portions of the roadway including emergency, military, and commercial vehicles. The project will also serve residents in rural areas of San Bernardino County, including significantly disadvantaged populations. Every Census Tract in the project area is an established Persistent Poverty Census Tract by the U.S. Department of Transportation.

1170 W. 3rd Street, 2nd Floor
San Bernardino, CA 92410-1715

909.884.8276 Phone
909.885.4407 Fax

goSBCTA.com

The amount being requested for LPP programming is critical to initiating and completing the project approval and environment document (PAED) and the plans, specifications, and estimate phases of the project. SBCTA and San Bernardino County also intend to request the first allocation for the PAED phase at the August 2024 CTC meeting. SBCTA greatly appreciates your consideration of LPP programming for the National Trails Highway Bridge Replacements Project.

Sincerely,



Raymond W. Wolfe
Executive Director
San Bernardino County Transportation Authority
Nominating Agency



Luther Snoke
Chief Executive Officer
San Bernardino County
Implementing Agency

National Trails Highway Bridge Replacements Project

Project Title	National Trails Highway Bridge Replacements Project
B. Screening Criteria	
B.1 Eligible Project	The National Trails Highway Bridge Replacements Project is an eligible project for the Local Partnership Formulaic Program (LPP). San Bernardino County (County) is completing the rehabilitation of a 130-mile stretch of National Trails Highway across the Mojave Desert between the cities of Barstow and Needles. This stretch, the longest remaining original section of Route 66, includes 128 historic timber bridges built between 1929 and 1931 and is designated as a National Historic Trail by the National Park Service. The LPP funds will be used to partially fund the replacement of 33 out of the 128 bridges. Nearing a century old, these bridges have far exceeded their useful life and are in need of being replaced.
B.2 Electronic Project Programming Request (ePPR)	Attached
B.3 Performance Metrics	Included in ePPR
C. General Information	
C.1 Overview	LPP funds will be used to partially fund the replacement of 33 out of 128 bridges located on a 130-mile stretch of the National Trails Highway across the Mojave Desert between the cities of Barstow and Needles. The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The National Trails Highway Bridges Replacement Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66"). Attachment 3 is a map of the project location with the locations of the 33 bridges indicated with an orange star.

National Trails Highway Bridge Replacements Project

C.2 Project Location	The National Trails Highway Bridges Replacement Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as “National Trails Highway” or “Route 66”) in San Bernardino County.
C.3 Scope	<p>The County is completing the rehabilitation of a 130-mile stretch of National Trails Highway across the Mojave Desert between the cities of Barstow and Needles. This section, the longest remaining original section of Route 66, includes 128 historic timber bridges built between 1929 and 1931 and is designated as a National Historic Trail by the National Park Service. The LPP funds will be used to partially fund the replacement of 33 of the 128 bridges. Nearing a century old, these bridges have far exceeded their useful life and are in need of being replaced. Because they are less than 20 feet in length, they are not eligible for Federal Highway Bridge Program funds.</p> <p>The bridges still exist in the original design of simple timber girders and a continuous cast-in-place concrete deck. They span over various manmade ditches that control surface drainage. The bridges are supported on closed-end backfilled timber pile extension strutted abutments and timber pile extension bents and now have asphalt overlays. Approximately ten bridges have restricted weight limit postings as low as three tons due to structural deficiencies. This weight restriction prevents large vehicles, including emergency, military, and commercial vehicles, from using the roadway, limiting travel and the movement of goods. The bridge replacements will prevent additional road closures, eliminate weight restrictions, and will meet current codes and include seismic design criterion while replicating the original structure type to maintain historical accuracy.</p> <p>The LPP funds are proposed to be used to complete the environmental and final design phases for the 33 bridges. The funds are proposed to be programmed for an early scope of work to advance three bridges and a longer term scope of work to complete the remaining 30 bridges.</p>
C.4 Project Benefits	<p><i>Protects Motorized/Nonmotorized Users and Communities/Local Residents from Safety Risks</i></p> <p>One of the County’s primary goals with this project is the safe operation of National Trails Highway and restoration of accessibility for all roadway users. The replacement of National Trails Highway bridges between the town of Daggett and Amboy Road will allow the County to open this section of the roadway safely with minimal weight restrictions. The bridges will be designed to preserve the historic setting while safely accommodating legal and permit loads. National Trails Highway provides the only bypass to Interstate 40 (I-40) in the event of freeway closure, serves as the only access to a 73-mile segment of BNSF’s rail corridor, and is a critical access route for the US Marine Corps Logistics Base Barstow (MCLB) and Marine Corps Air Ground Combat Center (MCAGCC) in Twentynine Palms. As such, the project will mitigate potential safety risks to the community associated with potential accidents or closures on I-40, potential derailments or collisions on the rail line, and delays of critical equipment transport to military installations.</p> <p><i>Increase Intermodal and Multimodal Freight Mobility</i></p> <p>Rural communities along the project corridor rely on I-40 and National Trails Highway; they have no other options. National Trails Highway plays a significant role in serving both rural and transportation needs across the Mojave Desert. Local mining, farming, and utilities businesses need reliable access to National Trails Highway for goods movement. These businesses have experienced increased transportation costs and transit time because of closed and weight-restricted bridges on National Trails Highway.</p> <p><i>Reduces Air Pollution and Greenhouse Gas Emissions from Transportation.</i></p>

National Trails Highway Bridge Replacements Project

	<p>Replacing the existing timber bridges with well-designed modern structures allows National Trails Highway to become a critical detour route for I-40 in the event of a catastrophic closure. Motorists could be stranded with no detour route available if current bridge weight limits remain, become more stringent, or bridge outages occur. Cars would continue to idle under this scenario (as motorists would keep their cars running in the desert climate), creating greenhouse gas emissions (GHGs). The project bridges will also provide an important north-south connection for traffic to and from the City of Twentynine Palms to I-15. Without this connection, the length of trips increases, generating additional vehicle emissions.</p> <p>Output: 45,610 sq feet of Local Reconstructed Bridge/Tunnels</p>
C.5 Nominating Agency/Implementing Agency	<p>SBCTA is the nominating agency. San Bernardino County is the implementing agency. Funding agreement No. 24-1003172 has been approved between the agencies regarding the allocation of funds for the Project.</p>
C.6 Reversible Lanes	Not applicable.
D. Project Delivery	
D.1 Delivery Method	It is anticipated that this will be a design-bid-build project.
D.2 Contracts	<p>It is the County's priority to complete the first three bridges out of the 33 bridges as quickly as possible. Therefore, there will be two contracts. For the first 3 bridges, there will be one contract for the Project Approval/Environmental Document (PAED) phase and the Plan, Specifications, and Estimates (PS&E) phase with two Notices to Proceed (NTP) for the respective phases. Subsequently, there will be a second contract for the PAED phase and the PS&E phase with two NTPs for the respective phases for the remaining 30 bridges.</p>
D.3 Schedule Risks	<p>The County intends to request allocation in August 2024 to complete the PAED Phase for the first three priority bridges. The County intends to request allocation in October 2024 to complete the PAED Phase for the remaining 30 bridges. It is anticipated that the PS&E allocation for the first three bridges will be requested in March 2025 and the PS&E allocation for the remaining 30 bridges will be requested in May 2026.</p> <p>The County has invested \$4,094,133 of its own funds over the last 10 years to prepare for reconstruction of the 90-year-old short bridges on National Trails Highway between Barstow and Needles. This previously incurred work included topography and hydrological studies, bridge inspections, and developing scopes of work. Significant work is ongoing or has been completed on the other bridges along this stretch of National</p>

National Trails Highway Bridge Replacements Project

Trails Highway, and all of this work (e.g., design, environmental, permitting) will be used to the greatest extent possible for the project, which will accelerate project readiness.

Please see below table for additional information regarding risk for the overall project.

Project Risk	Mitigation Strategy	Status
Right-of-Way Acquisition Risk	The County owns all the Right-of-Way required to construct the project.	Mitigation Complete
Feasibility of Historical Bridge Design	The County has designed multiple bridge replacements on this section of National Trails Highway; those replacements are complete or underway, all of which demonstrated historical replication feasibility.	Mitigation Complete
Delay in SHPO Section 106 Consultation	The County is in regular communication with SHPO on other adjacent ongoing and completed bridge projects on the National Trails Highway, which will accelerate SHPO review and approval.	Mitigation Underway
Procurement Delays	The County has conducted procurement for multiple completed and ongoing bridge projects in the project area and will adapt existing bid documents and procurement processes	Mitigation Complete
Cost Uncertainty	The County has replaced multiple bridges on National Trails Highway, and other projects are underway. Cost data from these projects were the basis of this application's cost estimate.	Mitigation Complete
Delay in Environmental Clearance	The County drafted an EIR/EA in 2016. The expected ISMND/EA will be based on the draft EIR/EA and other completed environmental documents for ongoing or completed bridge projects on National Trails Highway. Use of portions of these existing documents will accelerate clearance.	Mitigation Underway
Delay in Technical Studies Completion	The County completed corridor-wide topographical mapping and hydrology studies in 2018. Updates will be accelerated because they will be based on the existing studies.	Mitigation Underway
Delay Due to Utility Relocations	Level 3 fiber optic runs through the corridor. The County is already dealing with this issue on other bridges that have been reconstructed or in-progress along the corridor. The process for managing the issue is already set and will be duplicated for the proposed project, which will minimize delays.	Mitigation Complete

E. Project Funding

E.1 Funding Plan

Fund Source	Committed or Uncommitted	Fiscal Year of Allocation (LPP-F)	PAED	PSE	Right of Way	Construction	Total
LPP-F Request	Uncommitted	FY24/25	263.000				263.000
LPP-F Request	Uncommitted	FY24/25	2,625.000				2,625.000
LPP-F Request	Uncommitted	FY24/25		263.000			263.000
LPP-F Request	Uncommitted	FY25/26		2,625.000			2,625.000
Local Funds	Committed		2,888.000	2,888.000			5,776.000
STP	Committed					14,929.000	14,929.000
STIP	Committed					40,300.000	40,300.000
Future Grant Request	Uncommitted					31,500.000	31,500.000
Total			5,776.000	5,776.000		86,729.000	98,281.000

F. Other

National Trails Highway Bridge Replacements Project

F.1 Interagency Cooperation	This project is not on the state highway system.
F.2 Transfer of Formulaic Program Funds between Taxing Authorities	N/A

ATTACHMENTS:

1) ePPR: National Trails Highway Bridge Replacements, Amboy to Kelbaker

2) ePPR: National Trails Highway Bridge Replacements, Dagget-Yermo Road to Goffs Road

3) Project Location Map

Amendment (Existing Project) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Date	07/01/2024 11:08:43
Programs <input type="checkbox"/> LPP-C <input type="checkbox"/> LPP-F <input type="checkbox"/> SCCP <input type="checkbox"/> TCEP <input type="checkbox"/> STIP <input checked="" type="checkbox"/> Other					
District	EA	Project ID	PPNO	Nominating Agency	
08				San Bernardino County Transportation Authority	
County	Route	PM Back	PM Ahead	Co-Nominating Agency	
San Bernardino Cou					
				MPO	Element
				SCAG	Local Assistance
Project Manager/Contact			Phone	Email Address	
Mervat Mikhail			909-387-7917	MMikhail@dpw.sbcounty.gov	
Project Title					

National Trails Highway Bridge Replacements, Amboy to Kelbaker

Location (Project Limits), Description (Scope of Work)

The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The entirety of the National Trails Highway Bridge Replacements Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66") in San Bernardino County.

The phase covered in this ePPR includes replacing three bridges along the National Trails Highway between 0.96 miles east of Amboy Road and 0.55 miles east of Kelbaker Road.

Component	Implementing Agency				
PA&ED	San Bernardino County				
PS&E	San Bernardino County				
Right of Way	San Bernardino County				
Construction	San Bernardino County				
Legislative Districts					
Assembly:	34	Senate:	19	Congressional:	23
Project Milestone		Existing		Proposed	
Project Study Report Approved					
Begin Environmental (PA&ED) Phase				08/19/2024	
Circulate Draft Environmental Document	Document Type				
Draft Project Report				05/01/2025	
End Environmental Phase (PA&ED Milestone)				02/01/2025	
Begin Design (PS&E) Phase				03/31/2025	
End Design Phase (Ready to List for Advertisement Milestone)				06/30/2025	
Begin Right of Way Phase				03/31/2025	
End Right of Way Phase (Right of Way Certification Milestone)				06/30/2025	
Begin Construction Phase (Contract Award Milestone)				11/01/2025	
End Construction Phase (Construction Contract Acceptance Milestone)				08/31/2026	
Begin Closeout Phase				08/31/2026	
End Closeout Phase (Closeout Report)				10/31/2027	

Date 07/01/2024 11:08:43

Purpose and Need

The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The entirety of the National Trails Highway Bridge Replacements Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66"). Phase 1 includes replacing three bridges along the National Trails Highway between 0.96 miles east of Amboy Road and 0.55 miles east of Kelbaker Road.

The National Trails Highway Bridge Replacements Project will prevent road closures and remove weight restrictions which currently prevent large vehicles including emergency, military, and commercial vehicles from using the roadway, limiting travel, and negatively impacting the movement of goods. The project will serve residents in rural areas of San Bernardino County, including significantly disadvantaged populations. Every Census Tract in the project area is an established Persistent Poverty Census Tract by the U.S. Department of Transportation. The project will improve goods movement and services to the area and surrounding regions that depend on this road, and provide a detour option from I-40, as the National Trails Highway currently offers the only bypass to a 96-mile section of the interstate. The Project will also improve access for emergency services vehicles, prepare for future extreme weather events including flash flooding, and improve access to the BNSF rail corridor and both the USMC Air Ground Combat Center at Twentynine Palms and USMC Logistics Base in Barstow.

NHS Improvements ☐ YES ☒ NO

Roadway Class 2

Reversible Lane Analysis ☐ YES ☒ NO

Inc. Sustainable Communities Strategy Goals ☒ YES ☐ NO

Reduce Greenhouse Gas Emissions ☒ YES ☐ NO

Project Outputs			
Category	Outputs	Unit	Total
Bridge / Tunnel	Local reconstructed bridge/tunnels	SQFT	1,350

Date 07/01/2024 11:08:43

Additional Information

LPP funds have not been approved by the California Transportation Commission yet for programming. They are uncommitted. Funds had to be shown as "committed" in order to finalize ePPR.

Performance Indicators and Measures

Measure	Required For	Indicator/Measure	Unit	Build	Future No Build	Change
Congestion Reduction	LPPC, SCCP, LPPF	Change in Daily Vehicle Miles Travelled	Miles	1,014,395	2,626,313	-1,611,918
			VTM per Capita	379,923	983,637	-603,714
	LPPC, SCCP, LPPF	Person Hours of Travel Time Saved (Only 'Change' required)	Person Hours	0	0	0
			Hours per Capita	0	0	0
System Reliability (Freight)	LPPC, SCCP, LPPF	Peak Period Travel Time Reliability Index (Only 'No Build' Required)	Index	0	0	0
	LPPC, SCCP, LPPF	Level of Transit Delay (if required)	% "On-time"	0	0	0
Air Quality & GHG (only 'Change' required)	LPPC, SCCP, TCEP, LPPF	Particulate Matter	PM 2.5 Tons	274	344	-70
			PM 10 Tons	1,097	1,375	-278
	LPPC, SCCP, TCEP, LPPF	Carbon Dioxide (CO2)	Tons	28,160	35,303	-7,143
	LPPC, SCCP, TCEP, LPPF	Volatile Organic Compounds (VOC)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Sulphur Dioxides (SOx)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Carbon Monoxide (CO)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Nitrogen Oxides (NOx)	Tons	54,116	67,843	-13,727
Safety	LPPC, SCCP, TCEP, LPPF	Number of Fatalities	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Fatalities per 100 Million VMT	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Number of Serious Injuries	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Number of Serious Injuries per 100 Million VMT	Number	0	0	0
Economic Development	LPPC, SCCP, TCEP, LPPF	Jobs Created (Only 'Build' Required)	Number	0	0	0
Cost Effectiveness (only 'Change' required)	LPPC, SCCP, TCEP, LPPF	Cost Benefit Ratio	Ratio	0	0	0
Vehicle Volume	LPPC, LPPF, SCCP	Existing Average Annual Vehicle Volume on Project Segment	Number	189,800	77,015	112,785
	LPPC, LPPF, SCCP	Estimated Year 20 Average Annual Vehicle Volume on Project Segment with Project	Number	0	0	0

District	County	Route	EA	Project ID	PPNO
08	San Bernardino County				

Project Title

National Trails Highway Bridge Replacements, Amboy to Kelbaker

Existing Total Project Cost (\$1,000s)									Implementing Agency
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	
E&P (PA&ED)									San Bernardino County
PS&E									San Bernardino County
R/W SUP (CT)									San Bernardino County
CON SUP (CT)									San Bernardino County
R/W									San Bernardino County
CON									San Bernardino County
TOTAL									
Proposed Total Project Cost (\$1,000s)									Notes
E&P (PA&ED)			526					526	
PS&E			526					526	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON				7,554				7,554	
TOTAL			1,052	7,554				8,606	

Fund #1:	Local Funds - Agency (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									San Bernardino County
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)			263					263	
PS&E			263					263	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL			526					526	

Fund #2:	RSTP - STP Local (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON				7,554				7,554	
TOTAL				7,554				7,554	
Fund #3:	State SB1 LPP - Local Partnership Program - Formula distribution (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									California Transportation Commissio
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									
E&P (PA&ED)			263					263	LPP funds are uncommitted. Funds had to be shown as "committed" in order to finalize ePPR.
PS&E			263					263	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL			526					526	

Amendment (Existing Project) ☐ YES ☒ NO Date 08/15/2024 22:01:32

Programs ☐ LPP-C ☐ LPP-F ☐ SCCP ☐ TCEP ☐ STIP ☒ Other

District	EA	Project ID	PPNO	Nominating Agency	
08				San Bernardino County Transportation Authority	
County	Route	PM Back	PM Ahead	Co-Nominating Agency	
San Bernardino Cou					
				MPO	Element
				SCAG	Local Assistance
Project Manager/Contact			Phone	Email Address	
Mervat Mikhail			909-387-7917	MMikhail@dpw.sbcounty.gov	

Project Title

National Trails Highway Bridge Replacements, Dagget-Yermo Road to Goffs Road

Location (Project Limits), Description (Scope of Work)

The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The entirety of the National Trails Highway Bridge Replacements Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66") in San Bernardino County.

The phase covered in this ePPR includes replacing 30 bridges along the National Trails Highway. See "Additional Information" tab for exact locations.

Component	Implementing Agency
PA&ED	San Bernardino County
PS&E	San Bernardino County
Right of Way	San Bernardino County
Construction	San Bernardino County

Legislative Districts

Assembly:	34	Senate:	19	Congressional:	23
Project Milestone				Existing	Proposed
Project Study Report Approved					
Begin Environmental (PA&ED) Phase					10/21/2024
Circulate Draft Environmental Document	Document Type				
Draft Project Report					05/01/2025
End Environmental Phase (PA&ED Milestone)					03/01/2026
Begin Design (PS&E) Phase					05/31/2026
End Design Phase (Ready to List for Advertisement Milestone)					11/30/2026
Begin Right of Way Phase					05/31/2026
End Right of Way Phase (Right of Way Certification Milestone)					11/30/2026
Begin Construction Phase (Contract Award Milestone)					06/30/2027
End Construction Phase (Construction Contract Acceptance Milestone)					03/31/2028
Begin Closeout Phase					04/01/2028
End Closeout Phase (Closeout Report)					06/30/2033

Date 08/15/2024 22:01:32

Purpose and Need

The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The entirety of the National Trails Highway Bridge Replacements Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66"). Phase 1 includes replacing three bridges along the National Trails Highway between 0.96 miles east of Amboy Road and 0.55 miles east of Kelbaker Road.

The National Trails Highway Bridge Replacements Project will prevent road closures and remove weight restrictions which currently prevent large vehicles including emergency, military, and commercial vehicles from using the roadway, limiting travel, and negatively impacting the movement of goods. The project will serve residents in rural areas of San Bernardino County, including significantly disadvantaged populations. Every Census Tract in the project area is an established Persistent Poverty Census Tract by the U.S. Department of Transportation. The project will improve goods movement and services to the area and surrounding regions that depend on this road, and provide a detour option from I-40, as the National Trails Highway currently offers the only bypass to a 96-mile section of the interstate. The Project will also improve access for emergency services vehicles, prepare for future extreme weather events including flash flooding, and improve access to the BNSF rail corridor and both the USMC Air Ground Combat Center at Twentynine Palms and USMC Logistics Base in Barstow.

NHS Improvements ☐ YES ☒ NO Roadway Class 2 Reversible Lane Analysis ☐ YES ☒ NO
Inc. Sustainable Communities Strategy Goals ☒ YES ☐ NO Reduce Greenhouse Gas Emissions ☒ YES ☐ NO

Project Outputs

Category	Outputs	Unit	Total
Bridge / Tunnel	Local reconstructed bridge/tunnels	SQFT	44,260

Date 08/15/2024 22:01:32

Additional Information

The National Trails Highway Bridge Replacements Project addresses existing gaps in service in a vital rural transportation corridor which a full closure would result in national impacts on interstate commerce, national security, and the preservation of one of America's historical treasures. The entirety of the National Trails Highway Bridge Replacements Project is located on a section of National Trails Highway, from the town of Daggett to Amboy Road through an essential section of the historic U.S. Route 66 (also known as "National Trails Highway" or "Route 66") in San Bernardino County.

There will be one CON contract but multiple Notices to Proceed. Construction of 30 bridges will be phased as follows:

- three bridges between 3.25 miles east of Goffs Road and 9.72 miles east of Goffs Road;
- five bridges between 17.74 miles east of Crucero Road and 19.92 miles east of Crucero Road;
- nine bridges between 0.6 miles east of Dagget-Yermo Road and 0.35 miles west of Hidden Springs Road;
- eight bridges between 0.92 miles west of Fort Cady Road and 8.74 miles east of Hector Road;
- five bridges between 2.15 miles east of Crucero Road and 6.75 miles east of Crucero Road.

Note: LPP funds are not committed. It was necessary to select "committed" in order to be able to finalize the ePPR.

Performance Indicators and Measures						
Measure	Required For	Indicator/Measure	Unit	Build	Future No Build	Change
Congestion Reduction	LPPC, SCCP, LPPF	Change in Daily Vehicle Miles Travelled	Miles	1,014,395	2,626,313	-1,611,918
			VTM per Capita	379,923	983,637	-603,714
	LPPC, SCCP, LPPF	Person Hours of Travel Time Saved (Only 'Change' required)	Person Hours	0	0	0
			Hours per Capita	0	0	0
System Reliability (Freight)	LPPC, SCCP, LPPF	Peak Period Travel Time Reliability Index (Only 'No Build' Required)	Index	0	0	0
	LPPC, SCCP, LPPF	Level of Transit Delay (if required)	% "On-time"	0	0	0
Air Quality & GHG (only 'Change' required)	LPPC, SCCP, TCEP, LPPF	Particulate Matter	PM 2.5 Tons	274	344	-70
			PM 10 Tons	1,097	1,375	-278
	LPPC, SCCP, TCEP, LPPF	Carbon Dioxide (CO2)	Tons	28,160	35,303	-7,143
	LPPC, SCCP, TCEP, LPPF	Volatile Organic Compounds (VOC)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Sulphur Dioxides (SOx)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Carbon Monoxide (CO)	Tons	0	0	0
	LPPC, SCCP, TCEP, LPPF	Nitrogen Oxides (NOx)	Tons	54,116	67,843	-13,727
Safety	LPPC, SCCP, TCEP, LPPF	Number of Fatalities	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Fatalities per 100 Million VMT	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Number of Serious Injuries	Number	0	0	0
	LPPC, SCCP, TCEP, LPPF	Number of Serious Injuries per 100 Million VMT	Number	0	0	0
Economic Development	LPPC, SCCP, TCEP, LPPF	Jobs Created (Only 'Build' Required)	Number	0	0	0
Cost Effectiveness (only 'Change' required)	LPPC, SCCP, TCEP, LPPF	Cost Benefit Ratio	Ratio	0	0	0
Vehicle Volume	LPPC, LPPF, SCCP	Existing Average Annual Vehicle Volume on Project Segment	Number	189,800	77,015	112,785
	LPPC, LPPF, SCCP	Estimated Year 20 Average Annual Vehicle Volume on Project Segment with Project	Number	0	0	0

District	County	Route	EA	Project ID	PPNO
08	San Bernardino County				
Project Title					

National Trails Highway Bridge Replacements, Dagget-Yermo Road to Goffs Road

Existing Total Project Cost (\$1,000s)									Implementing Agency
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	
E&P (PA&ED)									San Bernardino County
PS&E									San Bernardino County
R/W SUP (CT)									San Bernardino County
CON SUP (CT)									San Bernardino County
R/W									San Bernardino County
CON									San Bernardino County
TOTAL									
Proposed Total Project Cost (\$1,000s)									Notes
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	
E&P (PA&ED)			5,250					5,250	
PS&E				5,250				5,250	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON					25,075	18,800	35,300	79,175	
TOTAL			5,250	5,250	25,075	18,800	35,300	89,675	

Fund #1:	Local Funds - Agency (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									San Bernardino County
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)			2,625					2,625	
PS&E				2,625				2,625	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL			2,625	2,625				5,250	

Fund #2:	RSTP - STP Local (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON					7,375			7,375	
TOTAL					7,375			7,375	
Fund #3:	RIP - National Hwy System (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON					5,700	12,800	21,800	40,300	
TOTAL					5,700	12,800	21,800	40,300	

Fund #4:	Future Need - Future Funds (Uncommitted)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON					12,000	6,000	13,500	31,500	
TOTAL					12,000	6,000	13,500	31,500	
Fund #5:	State SB1 LPP - Local Partnership Program - Formula distribution (Committed)								Program Code
Existing Funding (\$1,000s)									
Component	Prior	23-24	24-25	25-26	26-27	27-28	28-29+	Total	Funding Agency
E&P (PA&ED)									California Transportation Commissio
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									
E&P (PA&ED)			2,625					2,625	LPP funds are not committed. It was necessary to select "committed" in order to be able to finalize the ePPR.
PS&E				2,625				2,625	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL			2,625	2,625				5,250	

National Trails Highway





County of San Bernardino DELEGATED AUTHORITY – DOCUMENT REVIEW FORM

This form is for use by any department or other entity that has been authorized by Board of Supervisors/Directors action to execute grant applications, awards, amendments or other agreements on their behalf. All documents to be executed under such delegated authority must be routed for County Counsel and County Administrative Office review prior to signature by designee.

Note: This process should NOT be used to execute documents under a master agreement or template, or for construction contract change orders. Contact your County Counsel for instructions related to review of these documents.

Complete and submit this form, along with required documents proposed for signature, via email to the department's County Counsel representative and Finance Analyst. If the documents proposed for signature are within the delegated authority, the department will submit the requisite hard copies for signature to the County Counsel representative. Once County Counsel has signed, the department will submit the signed documents in hard copy, as well as by email, to CAO Special Projects Team for review. If approved, the department will be provided routing instructions as well as direction to submit one set of the executed documents to the Clerk of the Board within 30 days.

For detailed instructions on submission requirements, reference Section 7.3 of the Board Agenda Item Guidelines as the Delegation of Authority does not eliminate the document submission requirements.

Department/Agency/Entity: Public Works

Contact Name: Jeremy Johnson Telephone: 909-387-8165

Agreement No.: 24-687 Amendment No.: 0 Date of Board Item 7/23/24 Board Item No.: 51

Name of Contract Entity/Project Name: Local Partnership Program fund allocation to National Trails Hwy bridges

Explanation of request/Special Instructions:

SBCTA has determined that the National Trails Highway bridge replacements are a regional project eligible to receive LPP funds under SBCTA's control. SBCTA will request authorization from the California Transportation Commission (CTC) to approve the allocation of SBCTA's LPP funds for the design phase of these bridges 20 feet or less in length. LPP funds are allocated to SBCTA on a formula basis and SBCTA may choose the project(s) on which to spend these funds. To allocate these funds on a project, SBCTA must submit a project nomination to the CTC for approval. **The LPP program requires that the funding request must include a cover letter containing the signature of the CEO of the implementing agency for joint projects.**

Insert check mark that the following required documents are attached to this request:

- ☒ Documents proposed for signature (Note: For contracts, include a signed non-standard contract coversheet for contracts not submitted on a standard contract form).
- ☒ Board Agenda item that delegated the authority

Department Routed to County Counsel	County Counsel Name: Suzanne Bryant	Date Sent: 8/6/24
Reviewing County Counsel Use Only	Review Date <u>8/6/2024</u> <u>Suzanne Bryant</u> Signature	Determination: <input checked="" type="checkbox"/> Within Scope of Delegated Authority <input type="checkbox"/> Outside Scope of Delegated Authority
CAO-Special Projects Use Only	Review Date <u>8/12/24</u> <u>Maria Meza</u> Signature <u>ME</u>	Disposition: <input checked="" type="checkbox"/> Route for signature to: <input type="checkbox"/> Chair <input checked="" type="checkbox"/> CEO <input type="checkbox"/> Department <input type="checkbox"/> Return to Department for preparation of agenda item