



# MRMPO Project Scoring Form 2022 - New Project Request

## Mid-Region Metropolitan Planning Organization

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## Project Submittal Form for the Project Selection Process (PSP)

The PSP was developed to score and rank member agency submitted projects and programs. This selection process was developed to promote projects that incorporate national transportation goals and regional goals and priorities from the Connections 2040 Metropolitan Transportation Plan (MTP). This form includes 7 pages:

- A. General Project Information
- B. Work Type and Location Information
  - 1. Optimized Mobility Questions and Strategies
  - 2. Active Transportation Questions and Strategies
  - 3. Economic Linkages Questions and Strategies
  - 4. Environmental Resiliency Questions and Strategies
  - 5. Equity Questions and Strategies

While the PSP is an important tool in project selection, it is not the only determining factor. Other considerations, such as the benefit of the project to the local community, and the project's cost and time frame for completion, are also important factors.

*The table below shows the connection between national and regional goals. Narrative Questions with an asterisk by them are developed directly from national goals.*

National Transportation Goals	2040 MTP Goal(s)
<b>Safety:</b> To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.	Active Transportation, Optimized Mobility
<b>Infrastructure Condition:</b> To maintain the highway infrastructure asset system in a state of good repair.	Optimized Mobility
<b>Congestion Reduction:</b> To achieve a significant reduction in congestion on the National Highway System.	Optimized Mobility, Economic Linkages
<b>System Reliability:</b> To improve the efficiency of the surface transportation system.	Optimized Mobility, Active Transportation, Economic Linkages
<b>Freight Movement and Economic Vitality:</b> To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.	Economic Linkages, Optimized Mobility
<b>Environmental Sustainability:</b> To enhance the performance of the transportation system while protecting and enhancing the natural environment.	Environmental Resiliency
<b>Reduced Project Delivery Delays:</b> To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices.	Economic Linkages, Project Selection Process (PSP)

### A. General Project Information

Lead Agency / Project Information

**Project Title** San Mateo Fiber & Traffic Safety Improvements

**Lead Agency** City of Albuquerque

**Agency Contact** Debbie Bauman

**Phone Number** (505) 270-0258

**E-mail** dbauman@cabq.gov

## Project Type

Intelligent Transportation Systems

### Scope of Work / Project Description:

San Mateo is a six-lane arterial which carries in excess of 30,000 vehicles per day and is served by signals and communication systems that date to the early 80s. It scores poorly relative to other roads in the City on our High Fatality and Injury Network (HFIN) map. This project will upgrade the traffic signal communication system to fiber along San Mateo from Central to Academy. The project scope will also include new signal cabinets, Automated Traffic Signal Performance Measures (ATSPM), new detection, Flashing Yellow Arrows (FYAs) where appropriate, and new wiring and conduit where necessary. With this upgrade, the City will be able to implement safety features such as Leading Pedestrian Intervals (LPIs), CCTV cameras, Rest-in-Red operation with speed input, and improved timing progression. Collectively, this construction will improve pedestrian safety, reduce speeding, particularly during off-peak times, reduce left-turn crashes, shorten emergency response times, and reduce travel times, which has the added benefit of reducing emissions. The new system will be integrated into the Regional Transportation Management Center's (RTMC) operations and will allow dispatchers to monitor operations in real time and to implement flush timing plans to help reduce regional congestion in the event of an interstate closure.

**Is this a new project? If YES, Control Number and MPO ID will be assigned by MPO.**

Yes

[Metropolitan Transportation Planning \(MTP\) Appendix A](#)

This Appendix includes projects listed in the MTP and provides the MPO ID

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## B. Work Type and Route Information

### Work Type

Construction/Implementation

If you would like to see the previous Form B excel spreadsheet used to calculate costs you can [click here](#). This will download the spreadsheet for you. Please enter final totals and the associated years below.

**What is the Total Amount requested for the Work Type?**

Scoping / Environmental:

PE & Design:

Utilities:

Right of Way:

Construction / Implementation: \$7,500,000

Other:

**What is the Year for the Work Type?  
(2024 through 2029)**

Scoping / Environmental:

PE & Design:

Utilities:

Right of Way:

Construction / Implementation: 2026 (\$5,000,000),  
2027 (\$2,500,000)

Other:

**Route Name** San Mateo

**Route Beginning (southern/western or  
Mile Point)** Central

**Route Ending (northern/eastern or  
Mile Point)** Academy

**Does your project have additional  
routes? (ie: intersection  
improvements or work on two parallel  
facilities). If so, please fill out  
additional information below.**

No

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## 1. Optimized Mobility

Optimized Mobility focuses on the overall management of our roadways, including the introduction of more advanced technologies, such as smart signals and vehicle to vehicle communication. In addition, a greater in accordance with national guidance, an emphasis is placed on prioritizing cost effective maintenance and operations to preserve existing infrastructure.

### Optimized Mobility Narrative Questions

Please be short and sweet, but specific about how your project addresses this goal.

**\*How does this project or program improve the reliability (consistency and predictability of travel time) of transportation, and for which modes of travel? If this is a Transit project then explain improved hours and/or frequency.**

This project will improve the reliability, consistency, and predictability of travel times for people driving, freight, and transit along the corridor and it will also result in improvements for people walking and biking. With the implementation of fiber along the corridor, the City will be able to better coordinate and optimize traffic signal timing to better facilitate vehicle movement, which can also result in benefits for transit and be able to move through the corridor more efficiently. With fiber, real-time road conditions are captured and transferred to the Regional Transportation Management Center (RTMC). This project will also add leading pedestrian intervals, which is a proven safety countermeasure that makes it easier and safer for people to cross the street.

**\*How does this project or program reduce congestion, and for which modes of travel?**

This project could lead to a reduction in vehicle congestion because the traffic signalization will be coordinated and optimized to function more efficiently and by providing real-time road conditions to

the RTMC where dispatchers monitor operations and can implement strategies to help reduce congestion. This can improve traffic flow and move more vehicles – single occupancy vehicles, freight, and transit. Given the upgrades, signalization improvements along the corridor can also make it easier for people walking or biking to cross the street along the corridor.

**Does the project or program implement new, or update existing, ITS infrastructure? Does the project or program implement identified services in the ITS Architecture Plan?**

Yes, this project is updating existing ITS infrastructure to fiber. It will implement the following services identified in the ITS Architecture Plan: traffic signal control, traffic information dissemination, regional traffic management, and traffic incident management.

[ITS Architecture Plan](#)

## Optimized Mobility Strategies

Strategies are modeled after the Congestion Management Process priority matrix developed by the CMP committee.

### Intelligent Transportation Systems Strategies

Traffic signal timing and coordination

Travel signal equipment modernization

Communications networks

Roadway surveillance coverage

leading pedestrian intervals, bike/ped signal timing, rest in red

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## 2. Active Transportation

Active Transportation focuses on non-motorized modes of travel such as walking, biking, and other ways to travel in the region like using bike share or scooters. The Active Transportation goal also enhances safety concerns in response to a disproportionately high rate of pedestrian fatalities in our region, and the critical role of transportation investments in activity centers.

### Active Transportation Narrative Questions

Please be short and sweet, but specific about how your project addresses this goal.

**\*How does this project or program reduce fatal and serious injury crashes on the transportation facility? Does it implement a program or project from a regional or local safety plan? If so, indicate which one.**

San Mateo from Central to Academy is on the City’s High Fatal and Injury Network, with Central, Indian School, Cutler, Prospect, Menaul, Candelaria, Comanche, Montgomery, McLeod, and Academy on the HFIN intersections map. Implementing fiber along the corridor will enable the City to better optimize and coordinate traffic signals, which can reduce fatal and serious injury crashes. These upgrades would also allow the City to add rest in red, which can reduce driver speeds along the corridor. Since high-speed driving increases the frequency and severity of crashes, reducing excessive vehicle speeds could lead to fewer fatal and serious injury crashes. This project will also enable the City to add leading pedestrian intervals, which are a proven safety countermeasure and can result in a 13% reduction in pedestrian-vehicle crashes at intersections. Flashing Yellow Arrows (FYAs), another proven safety feature, will be installed where appropriate. This project is consistent with the City’s

Vision Zero Action Plan, which identifies coordinated signal timing and improvements for traffic signals and operational modifications as strategies to reduce fatalities and serious injuries. This project is also consistent with signalization strategies identified in MRCOG's Regional Transportation Safety Action Plan.

**Does the project address Complete Streets design as identified in your local entity's guidance, or as identified in the Long Range Transportation Systems Guidelines (LRTS)? Refer to the LRRS classification of the roadway.**

Yes, this project is consistent with and addresses Complete Streets principles as identified in the City's Complete Streets Ordinance (O-19-64) - specifically through signalization improvements for all roadway users. San Mateo is classified as a Community Principal Arterial.

[Long Range Transportation Systems Guidelines](#)

**Does this project or program improve overall network connectivity, provide network redundancy, or make a direct connection to an important regional destination? If so, explain and identify which destination.**

This project will improve the safety on an HFIN corridor and improve existing connections for people driving, taking transit to regional destinations such as South Jefferson, and for freight/goods movement. This project will also enhance pedestrian and bicyclist connectivity to reach transit, housing, or businesses along San Mateo and enhance intersection crossings along the corridor. It will also result in improvements to overall network connectivity through real-time communications with the RTMC.

## Active Transportation Strategies

Multiple options available. Please adequately describe Other option.

### Pedestrian and Bicycle Strategies

Signalization improvements specifically for pedestrians or bicyclists

leading pedestrian intervals

### Geometric Safety Strategies

Uses an FHWA identified roadway countermeasure (indicate type in Other)

Crossing improvements: signal detection, signal timing, protected intersection crossing

leading pedestrian intervals

[FHWA Countermeasures](#)

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## 3. Economic Linkages

Economic Linkages explores the economic impacts benefits of place-making and captures a better sense of the fiscal implications of expanded growth, such as new expanded roadways and transit services, and costs of public services like schools and/or fire stations.

### Economic Linkages Narrative Questions

Please be short and sweet, but specific about how your project addresses this goal.

**\*How does the project or program provide insurance that it is shovel ready? Has the project already received federal funds or a soft match? Does it include innovative financing such as Public Private Partnerships?**

This corridor has been identified as a priority for the implementation of fiber. The City has implemented projects like this in the past, so has an understanding of the funding and staffing capacity, and phasing needed to implement this project. Given we are requesting these funds for 2026, and 2027, the City will be able to coordinate the implementation ahead of time.

**\*How does this project or program improve upon existing freight networks or provide access to international trade markets?**

The entire project corridor is identified as a Primary facility on MRCOG's Freight Network. Since this project will result in signalization improvements throughout the corridor, it can result in less delay and support more efficient freight movement. This corridor is also an important connection to areas zoned for Industrial in the northern part of the City and where there are a lot of manufacturing businesses and goods distribution.

**How will this project spur economic development? Will the project support local businesses and/or permanent job creation?**

This project will result in coordinated traffic signals and real-time communications with the RTMC, all of which will better facilitate and more efficiently move people and goods. It will benefit people driving, taking transit, goods movement, and giving people a head start to cross the street. Efficient movement of people and goods supports the economy and also enables people to have better access to local businesses for shopping and reaching jobs.

## **Economic Linkages Strategies**

Multiple options available. Please adequately describe Other option.

### **Access Strategies**

Provides or improves multimodal access to an employment center or large employer

Provides or improves access to an employment center via non single occupancy vehicle mode/s

Provides or improves access to industrial development

Creates or improves a network link that will aide in access in the event of a major disruption

### **Financial Strategies**

Helps facilitate development in areas with existing water, sewer, roadway and other infrastructure

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## **4. Environmental Resiliency**

Environmental Resiliency acknowledges the transportation sector's impact on air quality and climate change. Environmental Resiliency also includes urban heat island effects, the benefits of low impact development and tree coverage, and expands on emergency evacuation and critical transportation infrastructure. Critical transportation infrastructure includes assessing the overall connectivity of our transportation networks.

# Environmental Resiliency Narrative Questions

Please be short and sweet, but specific about how your project addresses this goal.

## **\*How does this project or program protect the natural regional environment? Does it include any emissions reductions, Green Infrastructure, wildlife crossings, or storm water management?**

This project will lead to better traffic movement, which will mean less time for vehicles idling or sitting in traffic, which in turn can lead to reduced greenhouse gas (GHG) emissions. Enhancing the bicycle/pedestrian signalization can also result in more people choosing to walk or bicycle or access transit along the corridor, which would also mean less GHG emissions.

## **\*How does this project or program maintain or improve the existing infrastructure? Does the project or program improve a bridge that is failing, or is the project first and foremost focused on preservation of existing infrastructure that is deteriorating?**

This project will upgrade existing ITS infrastructure and improve existing traffic signals throughout the corridor and will add signalization safety features such as optimizing traffic flow, rest in red, and adding improved bike/ped signalization.

## **Does the project or program improve critical infrastructure in the region? Please indicate how the project or program is CRITICAL to emergency evacuation or overall network function.**

The project corridor is part of local and regional critical infrastructure. If I-25 were closed or had detours, San Mateo would help to facilitate moving traffic since it's parallel and goes through a large portion of the City. It is also in an area of the City where there is a grid pattern and network redundancy. As per MRCOG's Alternatives Routes Index, this project corridor is a medium to high ratio of roads to intersections (excluding interstates). This corridor also serves as a transit corridor and is identified on the Long Range Transit Network with Rapid Ride.

# Environmental Resiliency Strategies

Multiple options available. Please adequately describe Other option.

## Preservation Strategies

Safety features added to existing infrastructure including lighting and signals

Upgrades to existing ITS infrastructure

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## 5. Equity

Equity refers to ensuring all members of a community have similar access to the transportation system and that no groups are disproportionately burdened or benefited by transportation decisions and investments. Addressing equity also means working to prioritize improvements for underserved communities that have been denied the full opportunity to participate in aspects of economic, social, and civic life. MRMPO has developed a Vulnerability Index (MVI) to assess areas of concern.

## **How does this project address Equity and ensure no negative consequences for underserved communities?**

The vulnerability index areas within this project's extents range from low to high, with higher vulnerability on the southeastern end of the project, medium in the middle, and medium and high on the northern portion. This project will improve and optimize vehicular and transit movement along the corridor and improve signalizations for people walking or biking, which will benefit all communities along or near the corridor. This project will have benefits for communities that rely on walking, biking,

and/or taking transit and travel along or to this corridor.

**Equity / Vulnerable Communities Strategies**

Provides or improves an alternative travel option to the single occupancy vehicle

Improves access to education (Pre-K – University) for underserved residents