



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)
Safety: To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.	Active Transportation, Optimized Mobility
Infrastructure Condition: To maintain the highway infrastructure asset system in a state of good repair.	Optimized Mobility
Congestion Reduction: To achieve a significant reduction in congestion on the National Highway System.	Optimized Mobility, Economic Linkages
System Reliability: To improve the efficiency of the surface transportation system.	Optimized Mobility, Active Transportation, Economic Linkages
Freight Movement and Economic Vitality: 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
Environmental Sustainability: To enhance the performance of the transportation system while protecting and enhancing the natural environment.	Environmental Resiliency
Reduced Project Delivery Delays: 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 I-40 Bridges over Tijeras Arroyo

Lead Agency NMDOT

Agency Contact Jill Mosher

Phone Number (505) 553-5174

E-mail jill.mosher@dot.nm.gov

Project Type

Highway / Bridge Preservation

Scope of Work / Project Description:

Bridge rehabilitation and replacement on I-40 at Carnuel. Bridges 7654, 7655, 7656, 7657.

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

No

If NO, please indicate the Control Number:

A302380

[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: 50000000

Other:

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

Scoping / Environmental: 2022

PE & Design: 2023

Utilities:

Right of Way:

Construction / Implementation: 2029

Other:

Route Name

I-40

Route Beginning (southern/western or Mile Point) Bridge 7654

Route Ending (northern/eastern or Mile Point) Bridge 7657

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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.**

The project purpose is to replace and rehabilitate poorly rated bridges on the interstate. Improvements to the bridges is imperative to transition the residents of Carnuel to and from the interstate, as well as heavy truck traffic and traffic traveling in and out of Albuquerque. Residents rely on the bridge routes; therefore, the project will improve the transportation reliability and consistency.

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

The bridges are on a primary freight corridor which serves many commuters and heavy truck traffic. These bridges are heavily used and any delay in getting them replaced would cause delays by causing traffic to seek alternate routes that would cause significant congestion. Moving this project forward will be the next step in preserving our existing infrastructure and continue to alleviate congestion on the interstate.

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?

NMDOT Statewide TMC (cameras, message boards)
Bernalillo County ITS field equip
Albuquerque RTMC

[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

Traveler information devices

Communications networks

Roadway surveillance coverage

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.**

The project will evaluate crash information at the beginning stages of design and any improvements or crash alleviations will be incorporated into the design.

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.

The project area is identified in close proximity to the Long-Range Bikeway System.

[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 continue to provide network connectivity and direct connection to important regional destinations. I-40 is a major interstate that provides east and west connectivity between and for City, rural, and out-of-state travel. It serves disadvantaged communities in the east mountain area and important connections to work, school, retail, commercial activities, and health and human services.

Active Transportation Strategies

Multiple options available. Please adequately describe Other option.

Pedestrian and Bicycle Strategies

Improves major interstate

Geometric Safety Strategies

Paved shoulders / shoulder improvements

Signage - crossing signs, variable message signs

[FHWA Countermeasures](#)

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?**

The project has already received federal funding for design and is currently in early design stages. The project is on the priority list to replace and rehabilitate poorly rated bridges.

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

The interstate is a major freight route and therefore improving these bridges will help preserve existing infrastructure and continue to provide necessary mobility between and for City, rural, and out-of-state travelers.

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

The bridge improvements have the potential to further economic development by allowing continuous east to west traffic flow. Projections show that the amount of commercial goods being trucked on I40 will double in the next 30 years; seeing more tonnage of goods than even I10 or I80.

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 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

Freight Strategies

Supports the improvement of logistics of different freight modes (rail and truck)

Improves access to Transfer center/distribution center / intermodal facility

Regional freight plan

Freight incident response plan

Logistical improvements - time of day designations/communications/coordination

Relieves freight bottleneck

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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?**

The project will undergo environmental review and evaluation to ensure there will be minimal disruptions to the natural environment and any environmental concerns will be extensively vetted and accurately addressed. The bridges over the Tijeras Arroyo act as a wildlife crossing, there is wildlife fencing through the corridor.

***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?**

The project will greatly improve existing infrastructure in that it's purpose is to address poorly rated bridges that are in need of replacement and rehabilitation. The existing bridges are deteriorating and therefore need to be addressed as an interstate priority for the traveling public.

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 interstate serves as a major route for local, regional, and local traffic. It provides access to the residents of the east mountains to and from ABQ hospitals, UNM, and KAFB. Any disruption to the east to west access would prove detrimental.

Environmental Resiliency Strategies

Multiple options available. Please adequately describe Other option.

Climate Change Strategies - Flooding, Wildfires, and Urban Heat

LED retrofits

Provide, preserve, or enhance wildlife corridors and crossings

Planting trees and other semi-arid vegetation (not part of required design standards)

Protect or mitigate impacts on critical habitat

manage vegetation and structural build out from fire

threat

Preservation Strategies

Reconstruction, resurfacing, and pavement rehabilitation

Upgrades to existing ITS infrastructure

Bridge improvements

Removal from deficient bridge list

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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?

This project will continue to serve and provide mobility for the traveling public. This project will preserve existing infrastructure as well as provide better and safer access to disadvantaged communities in the east mountains.

Equity / Vulnerable Communities Strategies

Improves multimodal access to an identified local activity center (in a land use plan)

Improves access to medical and health facilities

Improves access to food for underserved residents

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