



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 Southern Blvd Reconstruction Phase IIA - Nicklaus Channel

Lead Agency City of Rio Rancho

Agency Contact Arnell Friedt

Phone Number (505) 896-8242

E-mail afriedt@rrnm.gov

Project Type

Other

Scope of Work / Project Description:

The Southern Boulevard Reconstruction Phase IIA Nicklaus Channel project consists of the replacement of the existing corrugated metal pipe crossing of the Nicklaus channel at Southern Boulevard, east of Nicklaus Drive. Construction includes retaining walls, 3-10'x8' box culvert bridge, erosion control, and temporary pavement.

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

No

If NO, please indicated the MPO ID:

9.2

If NO, please indicate the Control Number:

A301042

[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: 5,000,000

Other:

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

Scoping / Environmental:

PE & Design:

Utilities:

Right of Way:

Construction / Implementation: 2026

Other:

Route Name

Southern Blvd

Route Beginning (southern/western or Mile Point) 25th St SE

Route Ending (northern/eastern or Mile Point) Rosarito Dr

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

No

Please upload a zipped SHAPEFILE/FEATURE CLASS for your project. If you do not have one please go to the Project Location Form to draw your project.



NicklausChannelBoundaryEx... .pdf

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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 existing culvert crossing under Southern Blvd at Nicklaus Dr is deficient where stormwater flows are compromising existing and future development of properties. Without improvement of this crossing, stormwater flows will threaten the integrity of Southern Blvd, a principal arterial roadway, and Nicklaus Dr causing safety concerns to the traveling public. If the Southern Blvd crossing were to collapse, this major east/west corridor would be out of commission for a period of time which would significantly impact the traveling public including the most vulnerable parts of the community who use public transportation. This corridor is one of only two scheduled transit routes in Rio Rancho.

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

This project is the first phase of a larger project which will improve mobility along the corridor by providing additional travel options. These additional travel options include improved ADA compliant pedestrian facilities and bike lanes. It is anticipated that these additional options may reduce vehicle use 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?

This project is the first phase of a larger project which will install advanced traffic signal controllers (Cobalt) that will support flashing yellow arrows, and fiber optic communications. Advanced signal

detection will be installed that will be used to support Automated Traffic Signal Performance Measures (ATSPM) for the corridor. Closed Circuit Television (CCTV) will be installed at all signalized intersections for traffic monitoring and incident management. Audible Pedestrian Signal (APS) will be installed at each signalized intersection to mitigate ADA issues that may be present along this corridor.

[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

Transit pre-emption / priority

Rio Rancho Fire Station No. 1 pre-emption/priority

Roadway Capacity Strategies

The larger project will include many of the above items.

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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.**

This project is the first phase of a larger project which will add medians, auxiliary lanes and improve pedestrian crossings at signalized intersections. The existing corridor currently includes a two way left turn lane (TWLTL) which increases the potential for fatal or serious injury crashes due to head on collisions. The existing corridor does not have adequate auxiliary lanes or ADA compliant facilities which will be remediated with the larger project.

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.

This project corridor is identified as a Principal Arterial and is the first phase of a larger project. The addition of bicycle lanes, auxiliary lanes and ADA compliant facilities will expand choices and

community involvement. This larger project creates a multimodal facility and will address and mitigate congestion and improve efficiency, through access control, while increasing walkability, bicycling and transit use.

[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 is the first phase of a larger project which will eventually intersect with Paseo del Volcan and Atrisco Vista providing network connectivity to existing regional destination adjacent to Interstate 40.

Active Transportation Strategies

Multiple options available. Please adequately describe Other option.

Pedestrian and Bicycle Strategies

The larger project will include many of the above items.

Geometric Safety Strategies

The larger project will include some of the above items.

[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?**

The final plans are currently complete and right of way acquisition is ongoing and will be shovel ready. Federal funds were used to design and acquire right of way.

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

Although not listed on the national freight network, Southern Blvd currently connects to US 550 (via NM 528), and it will eventually connect to Interstate 40 (via Atrisco Vista) and again to US 550 (via Paseo del Volcan). Interstate 40, US 550, and NM 528 are all on the national freight network.

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

This project is the first phase of a larger project which will provide access between untapped local workforce and local/regional key centers. This project will allow the future widening of Southern Blvd to include multimodal amenities such as bike lanes, multiuse path, and a sidewalk for pedestrian connectivity to the existing and future commercial development from adjacent residential areas. In addition, improvement to a box culvert bridge will prevent additional degradation of the channel and adjacent commercial property for the foreseeable future.

Economic Linkages Strategies

Multiple options available. Please adequately describe Other option.

Access Strategies

The larger project will include some of the above items.

Financial Strategies

The larger project will include many of the above items.

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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 is the first phase of a larger project which will increase the Level of Service (LOS) along this corridor which will help reduce idling vehicle reducing tailpipe CO2 emissions once the construction project is complete.

***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 replace existing failing infrastructure consisting of 6 – 54" CMPs with 3-10'x8' box culvert bridge. The existing infrastructure is undersized to handle the current drainage flows and include a gabion structure for energy dissipation at the outfall. Over the years and after significant rain events, the energy dissipation structure is showing signs of deformation. In addition to the deformation of the energy dissipation structure, the earthen channel is deteriorating due to severe erosion downstream of Southern Blvd. This channel erosion is impacting existing and future development of adjacent lots and could threaten the integrity of Southern Blvd and Nicklaus Dr.

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.

Replacing the existing failing culvert crossing with a box culvert bridge will allow for faster response times for first responders needing to access the heart of Rio Rancho. Rio Rancho Fire Station 1 is located within a quarter mile east and the City's Emergency Operations Center (EOC) is located approximately 1.5 miles east of this crossing structure.

Environmental Resiliency Strategies

Multiple options available. Please adequately describe Other option.

Climate Change Strategies - Flooding, Wildfires, and Urban Heat

Improve drainage facility for pedestrian access

Coordination with flood authorities

This project will include the selections above and the larger project will include additional items above.

Preservation Strategies

Bridge improvements

This project will include the selection above and the larger project will include additional items above.

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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 project is on a major east/west corridor that allows the traveling public including the most vulnerable parts of the community to continue to use public transportation. This corridor is one of only two scheduled transit routes in Rio Rancho. The larger project will allow the continuation of access to schools, senior centers, emergency services, local businesses and retail workers.

Equity / Vulnerable Communities Strategies

The larger project will include some of the above items.

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