



# 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** AMPA Wide ITS Equipment Upgrades and Design Program

**Lead Agency** COA-DMD

**Agency Contact** Debbie Bauman

**Phone Number** (505) 270-0758

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

## Project Type

Intelligent Transportation Systems

### Scope of Work / Project Description:

Purchase and Install upgraded ITS equipment to ITS designated corridors throughout the city; design of ITS improvements or upgrades in support of RTMC operations

**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:** 103.6

**If NO, please indicate the Control Number:** A300757

**For all new projects please enter the MPO ID from Appendix A of the Connections 2040 Metropolitan Transportation Plan (use link below):**

103.6

[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

Program Operation

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:

Other: \$3,511,236 (\$3M in federal and \$511,236 in local match)

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

Scoping / Environmental:

PE & Design:

Utilities:

Right of Way:

Construction / Implementation:

Other: 2027

## Route Name

City Wide

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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.**

Upgrading of existing ITS infrastructure including but not limited to fiber, signal timing, signal cabinets, operation of ASTPM facilities and data collection, bicycle and pedestrian detection and camera equipment and upgrades

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

Use of ITS contributes towards reduced congestion/better operation of facilities/pedestrian and bicyclist safety for hawk signal locations and mid block refuges and assists with reduction in congestion for all modes of transportation using on-street systems

**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 the program is exclusively intended for upgrades and improvements to ITS infrastructure and services in the ITS Architecture Plan and includes support and operations of the Regional Transportation Management Center

[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

Traveler information devices

Communications networks

Roadway surveillance coverage

Transit pre-emption / priority

Incident management plans, courtesy patrol

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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.**

Program implements and is consistent with the regional and local safety plan and City of Albuquerque Vision Zero goals by upgrading ITS infrastructure necessary to encourage safety for all modes of transportation

**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.**

ITS improvements are elements of Complete Streets design and consistent with the City's Complete Streets Ordinance

[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.**

Upgrades to and design for ITS needs within the AMPA contribute to and improve network reliability for arterials and specifically those with ASTPM infrastructure including river crossings

### Active Transportation Strategies

Multiple options available. Please adequately describe Other option.

#### Pedestrian and Bicycle Strategies

Signalization improvements specifically for pedestrians or bicyclists

#### Geometric Safety Strategies

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

Traffic calming focused on vehicular speed reduction

Crossing improvements: median refuges, enhanced crossings at transit, bump outs

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

## [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?**

Program has had federal funding in the past for purchasing equipment installed by City forces and for design of projects that have or are expected to have federal funding in the future

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

ITS is critical on freight networks

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

ITS contributes to safety roads and more reliable transportation systems that have a direct effect on economic vitality

#### Economic Linkages Strategies

Multiple options available. Please adequately describe Other option.

##### Access Strategies

ITS improvements cover the AMPA

##### Financial Strategies

Project done in coordination with local school district

Helps facilitate redevelopment of abandoned or dilapidated properties

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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?**

ITS improvements and upgrades aid in reducing congestion and unnecessary idling of vehicles during peak hours

**\*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?**

Upgrades existing ITS infrastructure

**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.**

Operations and support of the Regional Transportation Management Center is critical in the event of a emergency evacuation or an emergency event that may result in the closure of either I40 or I25 by allowing the Center to reroute traffic and alert drivers via text and variable and dynamic message boards

### Environmental Resiliency Strategies

Multiple options available. Please adequately describe Other option.

#### Air Quality Strategies

ITS Program

#### Preservation Strategies

Intersection improvements that do not add general purpose lanes

Safety features added to existing infrastructure including lighting and signals

Upgrades to existing ITS infrastructure

Pedestrian and bicycle facility improvements on existing roadways or trails

ITS infrastructure

## 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?**

ITS upgrades funded previously with federal funds are currently being installed within specific areas of the SW Mesa identified as underserved. ASTPM facilities also traverse underserved communities. Priority is given to those ITS elements in the City that are located in underserved areas

### **Equity / Vulnerable Communities Strategies**

ITS upgrades facilitate/compliment all these strategies