

Criteria	Definition	Alternative							
		1. No Build	2. Missouri Extension	3. Roadrunner Extension	4. MTP Build Scenario	5A. Missouri Northern	5B. Roadrunner Northern	5C. MTP Scenario Northern Route	6. Bicycle/Pedestrian Connection
		No Build Scenario - Keep Missouri Ave and Roadrunner Parkway on the MTP project list	Build Missouri to Sonoma Ranch (2 Lane Collector) along MTP corridor; No-Build Roadrunner (project remains on MTP list)	Build Roadrunner (2 lane arterial) along the MTP corridor; No Build Missouri, project remains in the MTP	Build Missouri (2 lane collector) to tie in with Roadrunner (2-lane arterial) which connects with Sonoma Ranch along the MTP Corridor	Build Missouri Ave to Sonoma Ranch along northern route (No Build of Roadrunner Parkway)	Build Roadrunner Parkway to Sonoma Ranch along northern route (No Build of Missouri Ave)	Build Missouri (2-lane collector) to tie in with Roadrunner (2 lane arterial) which connects with Sonoma Ranch along a northern corridor	Build bike and pedestrian facilities independently – evaluating the best route to connect the Missouri Avenue neighborhood to Centennial High School as well as connect with Adobehenge.
Purpose and Need	Enhanced transportation network connectivity and improved options for non-motorized travel	Does not meet purpose and need.	Fully meets purpose and need.	Provides additional connection to Sonoma Ranch Blvd, but route is somewhat redundant to Lohman Ave. Does not meet need of improved pedestrian and bicycle connections from Missouri Ave.	Fully meets purpose and need.	All three northern routes provide east-west connectivity to Sonoma Ranch Rd. The route does NOT meet the need of providing direct pedestrian and bicycle connectivity to Centennial HS for residents along Missouri Ave.			East-west connectivity needs are met for non-auto modes only.
Access	Multi-modal access to Centennial HS, New Mexico Farm & Ranch Museum, Adobehenge, and to east Las Cruces	Does not provide improved access	Provides direct access to major destinations within study area plus areas further east	Access to study area destinations is indirect through Sonoma Ranch Blvd from the east	Provides direct access to major destinations within study area plus areas further east	Access to key destinations in the study area is somewhat improved, but less direct due to the more northern alignment			Improved access for pedestrian and bicycle travel only
Network Connectivity	Link Missouri Ave neighborhood to destinations to the east and improve network connections	Does not provide improved connectivity.	Provides east-west connectivity and new multi-modal links	Limited connectivity benefits for neighborhoods west of Centennial HS	Provides east-west connectivity and new multi-modal links	Provides east-west connectivity and new multi-modal links from neighborhood	Limited connectivity benefits for neighborhoods west of Centennial HS	Provides east-west connectivity and new multi-modal links from neighborhood	Creates new bicycle and pedestrian network connectivity. Does not improve roadway network.
Environment	Presence of arroyos, natural land uses, or other topography that create engineering challenges	No impacts	Must cross a total of 4 arroyos. A complicated set of culverts may be required for the arroyo system on the north side of the Centennial HS campus.	Must cross 6-9 arroyos, including 2 arroyos near Centennial HS. In addition to 1 arroyo south of Lohman Ave, there are 3-6 arroyos that must be crossed between the edge of the study area and the point where the route crosses the Missouri Ave extension, depending on the alignment.	Must cross a total of 8-11 arroyos. 4-7 arroyos must be crossed along Roadrunner Pkwy, depending on the alignment.	The northern route from Missouri Ave must cross 6 arroyos before intersecting with Sonoma Ranch Rd.	Must cross a total of 8-11 arroyos (3-6 between the edge of the study area and the point where the route meets the proposed Missouri Ave extension.	Must cross 10-13 arroyos, depending on the alignment of Roadrunner Parkway.	Must cross a total of 4 arroyos, including 2 north-south running arroyos near Centennial HS. A complicated set of culverts may be required for the arroyo system on the north side of the Centennial HS campus.
Community	Project does not create adverse impacts to residential neighborhoods	No additional impacts or benefits.	Potential to generate additional through traffic in existing Missouri Ave neighborhoods. There are no impacts to residences near Roadrunner Pkwy.	Some impacts to residents along proposed Roadrunner Parkway. No impacts to Missouri Ave neighborhoods.	Reduced impacts to Missouri Ave neighborhoods since route is designed as a collector that discourages through traffic. As an arterial, Roadrunner Pkwy is expected to draw higher number of trips.	Potential to generate additional through traffic in existing Missouri Ave neighborhoods	Some impacts to residents along proposed Roadrunner Parkway. No impacts to Missouri Ave neighborhoods.	Reduced impacts to Missouri Ave neighborhoods since route is designed as a collector that discourages through traffic	There is a positive impact to the community through increased pedestrian and bicycle access without additional vehicle travel.
Consistency with Existing Planning Documents	Alternative is identified in the Mesilla Valley MPO's Transport 2040 Plan. The project is consistent with the goals and objectives of the MTP or is named in the Transportation, Bicycle System, or Trail System Priorities Plans.	Project remains on MTP, but implementation is postponed	Missouri Ave extension is identified in the 2021-2030 years of the MTP.	Roadrunner Parkway is a proposed Minor Arterial in the MVMPO Future Thoroughfare Map	Both projects are identified in the MTP as part of the long-term roadway network.	The northern route is not an alignment identified in the 2040 MTP or the Mesilla Valley MPO Future Thoroughfare Map			Missouri Ave and Roadrunner Parkway are identified as bicycle system priorities by the Mesilla Valley MPO
Right-of-Way	Length of roadway to be constructed. All routes are along land currently owned by BLM and would require leases. The City of Las Cruces owns the northernmost portion of the proposed Roadrunner Pkwy.	None required at this time.	1.2 miles	1.87 miles	2.2 miles (Missouri Ave collector extension is 0.33 miles)	≈1.01 miles	≈1.56 miles	≈1.95 miles	1.2 miles
Magnitude of Costs	Magnitude of cost based on length and type of roadway plus the presence of topographic features such as arroyos.	No costs at this time.	Moderate	Moderate-High	Highest among MTP scenario alternatives, though Missouri Ave collector segment is not overly costly	Moderate	Moderate-High	Highest among northern route alternatives	Low-Moderate