



2023-2024 Road Paving Improvements

NMDOT Cooperative Agreement Program

March 15, 2023

**City of Rio Communities
360 Rio Communities Blvd.
Rio Communities, NM 87002
505-861-6803**

Table of Contents

Vicinity Map.....	2
Scope of Work	3
Project Preliminary Cost Estimate	3
Project Justification	4
Project Certification	7
Letter of Intent	8

Vicinity Map



Scope of Work

Don Diego Road is one of the streets that is at the top of the priority list for immediate repair. The city intends to develop a construction plan set to remove and replace approximately 2,400 linear feet of existing roadway pavement from Dulcinea Lane (BOP) to Kaghan Loop Drive (EOP). Due to the high severity and extent of distress in the pavement, the road will require full reconstruction. There are no apparent drainage structures nor other infrastructure for stormwater runoff conveyance within the project limits. Field review has indicated several depressed sections with the roadway section which appear to result in ponded water after storm events. Therefore, the profile of the road will be revised and modified as needed to provide a construction staking plan which will provide positive conveyance of stormwater concentrating along the gutter pan of the roadway.

Project Preliminary Cost Estimate

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE			
Rio Communities: Don Diego Rd Reconstruction			
DESIGN COST ESTIMATE SUMMARY			
SHORT DESCRIPTION	SUBTOTAL AMOUNT	GR TAX 7.7500%	TOTAL AMOUNT
ENGINEERING SERVICES	\$83,707.00	\$6,487.29	\$90,194.29
SURVEY & SUE	\$32,500.00	\$2,518.75	\$35,018.75
GEOTECHNICAL REPORT	\$13,000.00	\$1,007.50	\$14,007.50
TOTAL =	\$129,207.00	\$10,013.54	\$139,220.54

Project Justification

A site review was performed to assess the severity and extent of material and structural distress in the existing pavement. After a careful evaluation, it was determined that the existing pavement has reached its life span and it needs immediate replacement.



Figure 1: Subgrade exposure



Figure 2: Excessive cracking and subgrade exposure



Figure 3: Alligator cracking



Figure 4: Alligator cracking and subgrade failure

Project Certification

Letter of Intent