



3/9/2021

2021-2022 Road Paving Improvements

NMDOT Cooperative Agreement Program



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

Prepared by Rio Communities' Planning and Zoning Commission



CITY OF RIO COMMUNITIES

360 Rio Communities Blvd.
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March 9, 2021

Marguerite Johnson
LGRF Liaison
NMDOT, District 3
PO Box 91750
Albuquerque, New Mexico 87199-1750

RE: 2021-2022 Cooperative Agreement Program Project Proposal

The City of Rio Communities is please to present the following application for funding under the Cooperative Agreement Program for 2021-2022. This proposal was prepared by members of our Planning and Zoning Commission who conducted the requisite site inspection and performed a thorough analysis of road use and conditions.

Following are aerial photographs and a street view that depict the specific project location, in this instance— a single project—due to the severe damage incurred to the concrete rundown and the surrounding roadway underlayment. Additionally, Resolution 2021-XXX is included that certifies full acceptance of this single project by our governing body.

As Mayor Pro-tem, I hereby certify that the enclosed proposed scope of work is necessary for the public good and their convenience and is integral to the economic development of our community.

If you have questions or concerns, please contact me at 505-264-3412.

Thank-you in advance for your assistance in our efforts to improve our community.

Sincerely,

Peggy Gutjahr
Councilor/Mayor Pro tem of Rio Communities

CC: Mary Lovato

**State of New Mexico
City of Rio Communities
Resolution 2021-05
NMDOT Cooperative Agreement Program**

Whereas, the governing body in and for the City of Rio Communities, State of New Mexico, requests participation in the Cooperative Agreement Program; has approved the location, scope preliminary cost estimate of the work in the attached document, and;

Whereas, the scope of work contained herein has been reviewed by the City Council as being vital to the public good and their convenience, and;

Whereas, The City of Rio Communities is responding to invitation from the New Mexico Highway and Transportation Department, District Three, Albuquerque, New Mexico, to participate in the 2021-2022 Cooperative Agreement Funding Program by submitting the following project proposal, and;

Whereas, The City of Rio Communities has agreed to provide matching funds at a rate of twenty-five percent (25%) of the total cost of the project.

NOW THEREFORE, BE IT HEREBY RESOLVED that the Governing Body of the City of Rio Communities, State of New Mexico, hereby authorizes the submission of an application to the New Mexico State Highway and Transportation Department and does hereby commit to the funding of such projects as specified in the application.

PASSED, APPROVED AND ADOPTED THIS 9th DAY OF MARCH 2021 BY THE GOVERNING BODY OF THE CITY OF RIO COMMUNITIES, NEW MEXICO.

Mark Gwinn, Mayor

Margaret (Peggy) Gutjahr, Mayor Pro-tem

Bill Brown, Councilor

Joshua Ramsell, Councilor

Jim Winters, Councilor

ATTEST:

Elizabeth (Lisa) Adair, Municipal Clerk

Summary of 2021-2022 Road/Drainage Improvements

Roadway and Drainage Conditions

Recurring maintenance and repair of public roadways is ineffective if stormwater runoff is not adequately drained from roadways. If left unchecked, excessive stormwater can severely erode roadways, saturate subbases, and damage surrounding structures. Therefore, controlling stormwater drainage is an ever-present concern that must become an integral part of our annual road and pavement improvement program.

An assessment of the City's storm drain infrastructure has revealed several pressing drainage issues that will, over time, require much effort and money to resolve. Currently, repeated flooding of the existing drainage infrastructure along San Lucas Avenue and Charmartin Avenue has created severe roadway damage and flooding to surrounding residential properties. Additionally, the concrete rundown that terminates at San Lucas and Charmartin has failed.

Replacing the existing concrete rundown will ensure stormwater is sufficiently discharged into the existing retention pond; and in turn, should check future eroding of roadway infrastructure. To further augment stormwater drainage, we propose the installation of two median drop inlets (MDI) along the northwest section of San Lucas. This would assist in capturing roadway runoff that bypasses the current single MDI located upstream and help prevent larger flows from reaching nearby private properties.

City of Rio Communities, New Mexico					
2021-2022 Road and Drainage Improvements					
Project Cost Estimate					
Item No.	Description	Unit	Quantity	Unit Price	Subtotal
1	Environmental Preparation	LS	1	\$ 1,000.00	\$ 1,000.00
2	Unclassified Excavation	CY	40	\$ 10.00	\$ 400.00
3	Borrow Pit	CY	20	\$ 11.00	\$ 220.00
4	Subgrade Preparation	SY	30	\$ 2.00	\$ 60.00
5	Major Structural Backfill	CY	40	\$ 50.00	\$ 2,000.00
6	Base Course	CY	5	\$ 70.00	\$ 350.00
7	Hot Mix Asphalt SP-111	SY	30	\$ 70.00	\$ 2,100.00
8	Structural Concrete-Class A	CY	20	\$ 700.00	\$ 14,000.00
9	24-inch Storm Drain Culvert	50	50	\$ 100.00	\$ 5,000.00
10	Remove Structures and Obstructions	LS	1	\$ 10,000.00	\$ 10,000.00
11	Remove Surfacing	SY	30	\$ 10.00	\$ 300.00
12	Install Riprap-Class A	CY	15	\$ 300.00	\$ 4,500.00
13	Clean Water Act Compliance Work Plan	LS	1	\$ 1,000.00	\$ 1,000.00
14	Stormwater Pollution Prevention Plan	LS	1	\$ 1,000.00	\$ 1,000.00
15	Standard Curb and Gutter	LF	60	\$ 30.00	\$ 1,800.00
16	Concrete Valley Gutter (6" X 36")	LF	146	\$ 40.00	\$ 5,840.00
17	Traffic Control Management	LS	1	\$ 9,000.00	\$ 9,000.00
18	Public Awareness	LS	1	\$ 5,000.00	\$ 5,000.00
19	Mobilization	LS	1	\$ 36,000.00	\$ 36,000.00
20	Median Drop Inlet-Type 1	EA	2	\$ 9,250.00	\$ 18,500.00
21	Manhole-Type C (4" Diameter)	EA	2	\$ 5,000.00	\$ 10,000.00
22	Preconstruction Utility Survey	LS	1	\$ 1,000.00	\$ 1,000.00
23	Construction Stakes/Markings	LS	1	\$ 5,500.00	\$ 5,500.00
24	Post Construction Plans (As-Built)	LS	1	\$ 10,000.00	\$ 10,000.00
	SUBTOTAL				\$ 144,570.00
	CONTINGENCY @ 20%				\$ 28,590.00
	SUBTOTAL + CONTINGENCY				\$ 173,160.00
	NMGR TAX @ 7.6875%				\$ 13,312.00
	TOTAL				\$ 186,472.00

Note: All amounts are rounded up to the nearest 10th.

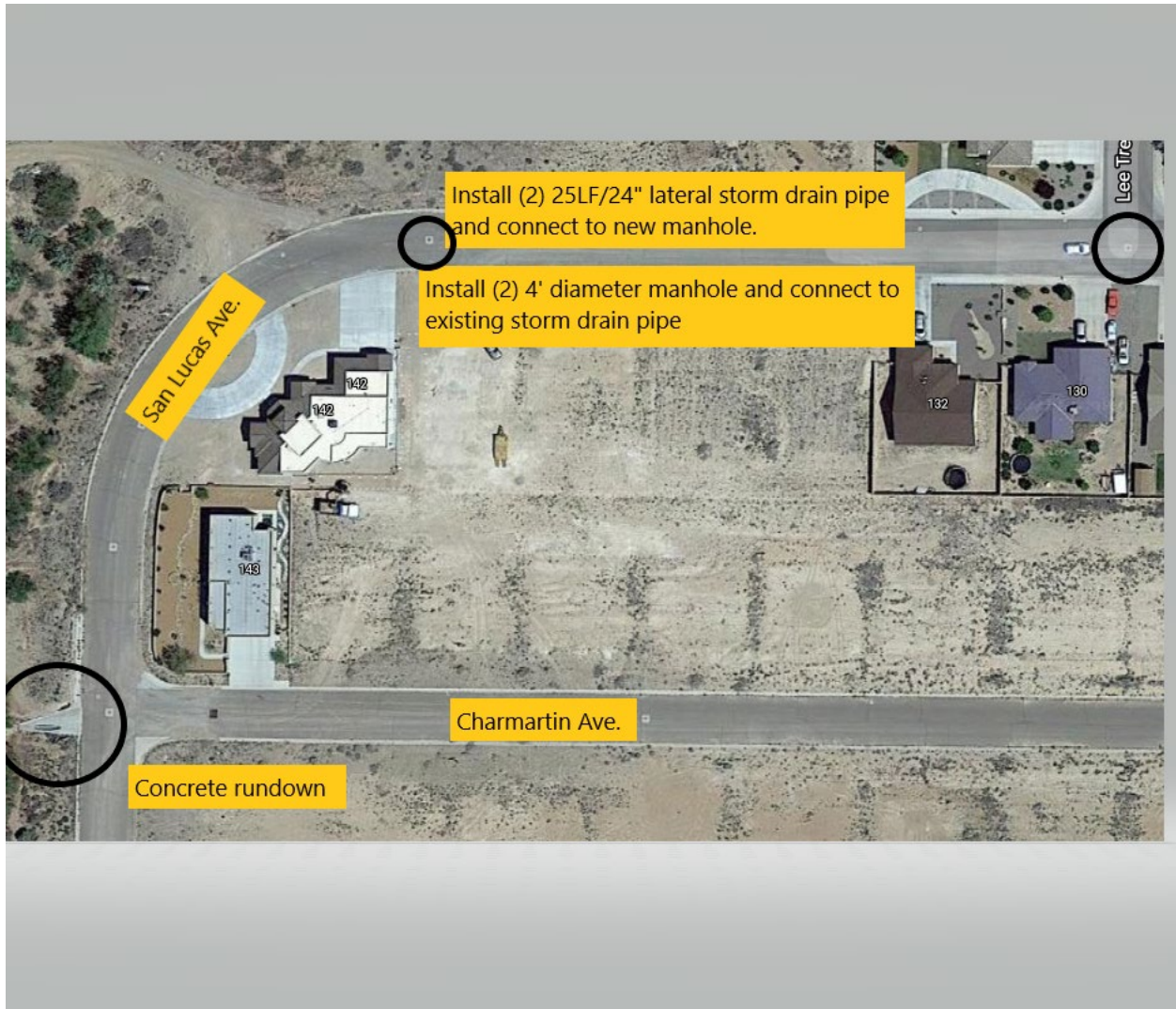


Figure 1: Aerial view of concrete rundown and storm drains



Concrete rundown: View from termination of San Lucas and Charmartin Avenues



Concrete rundown: Detail of damaged

Concrete rundown: Detail of damaged



Concrete rundown: Detail of damaged

