

TSIKUMU VILLAGE IMPROVEMENTS

Project Evaluation

Incorporated County of Los Alamos
Public Works Department

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December 6, 2018

Supports Council Goals



Maintain and Improve Transportation and Mobility



Maintain and Improve Existing Quality Essential Services and Supporting Infrastructure

Tsikumu Village Project Goals

- Improve Pavement Condition
- Continue to reduce County's *Poor* and *Unacceptable* PCI classifications
- Improve overall County pavement condition score
- Adhering to the *2007 LAC Pavement Preservation Policy* by shifting to preservation treatments based on funding levels

An aerial photograph of a residential neighborhood. The streets are labeled with text overlays: Sioux St, Seneca St, Cheyenne St, Serrano St, Ventura St, and Utah St. The houses are densely packed along the streets, which are set into a hillside. The terrain is hilly and covered with some vegetation.



Tsikumu Village PCI

<u>Street</u>	<u>Length ft.</u>	<u>PCI</u>
Sioux	4,024	55.1
Cheyenne	2,998	49.9
Seminole	2,233	36.4
Iroquois	357	46.0
Yuma	210	48.0
Ute St.	120	63.0

Total length= 9,942 ft. or 1.9 mi.

PCI of Tsikumu Village 49.0

Cumbres del Norte PCI

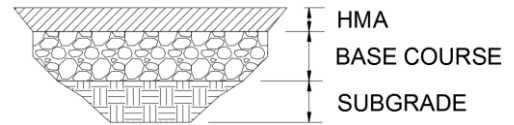
<u>Street</u>		<u>Length ft.</u>	<u>PCI</u>
Camino Redondo	2,804	50.1	
Camino Medio		716	
	47.0		
Camino Patio		173	
	48.0		

Total length= 3693 ft. or 0.7 mi.

PCI of Cumbres del Norte= 49.4

3 Project Options Evaluated

1. Full Reconstruction
2. Complete Asphalt Replacement
3. Pavement Rehabilitation



ROAD TYPICAL SECTION

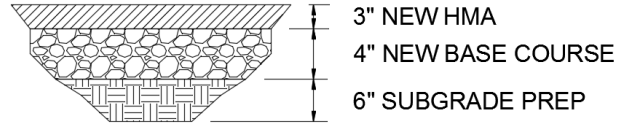
FY 2019 C.I.P. Budget for Tsikumu Village is \$1,950,00

Project Options Evaluated

Option 1 –

Full Reconstruction

- Entire pavement section removal and replacement, new base course, subgrade prep, new 5ft. sidewalks, curb ramps, curb & gutter, and drivepads



FULL DEPTH RECONSTRUCTION

SN=2.87

Estimated Cost - \$4,818,679

Pro's

- Renewal of all infrastructure to current standards

Con's

- Exceeds budget
- Long construction duration (several months)

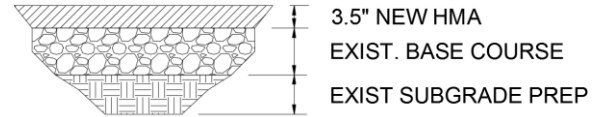
Project Options Evaluated

Option 2 –

Complete Asphalt Replacement

- Entire pavement section removal & replacement, re-compact existing base course, new curb ramps, repair sidewalks, curb & gutter, and drivepads that are in the worst shape (approx. 5%)

Estimated Cost - \$3,252,477



COMPLETE ASPHALT REPLACEMENT

SN=1.78

Pro's

- Completes some improvements as needed
- Similar to the recently completed North Mesa Projects

Con's

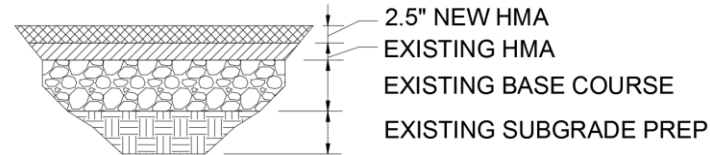
- Exceeds budget
- Long construction duration (several months).

Project Options Evaluated

Option 3 –

Pavement Rehabilitation

- Remove (mill) 2" of existing pavement and replace with 2.5" of new asphalt, new curb ramps at crossings, some concrete replacement (approx. 5%)



PAVEMENT REHABILITATION

SN=1.98

Estimated Cost - \$2,289,527

Pro's

- Shorter construction duration (weeks not months)
- Pavement structural design is better than full asphalt replacement for less cost

Con's

- Slightly exceeds budget

Proposed Schedule

- Advertise for Bids – February 2019
- Award Construction Contract – March 2019
- Start of Construction – April 2019
- Project Completion – June 2019
 - *Prior to monsoon season

Comments / Contacts:

Comment Cards: Leave with attending staff or mail to:
Public Works Department
1000 Central Avenue, Suite 160
Los Alamos, NM 87544

by December 13, 2018

Phone: (505) 662-8150

Email comments to: lacpw@lacnm.us

Questions?



Thank you!

The Public Works Department staff thanks you for taking time out of your busy schedule to participate in the design and construction of this important public project!