

Cahuilla Long Range Transportation Plan Workshop 3



Welcome - Páxam



Michael Baker
INTERNATIONAL

 **FOURTH WORLD**
DESIGN GROUP

Zoom Overview

The image shows a Zoom meeting window with a central video area displaying the text "1. Meeting on your screen". To the left of the video, there is a sidebar with meeting details: Meeting Topic, Host, Invite Link, and Participant ID. Below these details is a "Join Audio" button with a headset icon and "Computer Audio Connect" text. At the bottom of the window is a toolbar with icons for Mute, Start Video, Security, Participants, Chat, Share Screen, Record, Breakout Rooms, and Support. The Mute and Chat icons are circled in red. A red arrow points from the Mute icon to a callout box that says "2. Mute or unmute". Another red arrow points from the Chat icon to a callout box that says "3. Click to open Chat on sidebar". A third red arrow points from the Chat icon to a "Zoom Group Chat" sidebar on the right. This sidebar shows a message: "From Me to Everyone: hello and welcome to the first workshop for the Cahuilla Long Range Transportation Plan". A callout box next to it says "4. Chat box – see what people are saying". A fourth red arrow points from the bottom of the chat sidebar to a callout box that says "5. Type to participate and provide input". This callout points to a text input field in the chat sidebar that says "Type message here..." and has "To: Everyone" selected above it.

1. Meeting on your screen

2. Mute or unmute

3. Click to open Chat on sidebar

4. Chat box – see what people are saying

5. Type to participate and provide input

Agenda



Introductions + Project Overview



Draft Long-Range Transportation Plan Overview



Shared Mobility



Questions & Answers



Meeting Wrap Up & Raffle



Team Introductions



STEVEN LEASH

Director and Project Manager
Cahuilla Public Works



GARRETT PEWE

Project Manager
Cahuilla Public Works

Team Introductions



KIM KANUHO
Outreach Coordinator



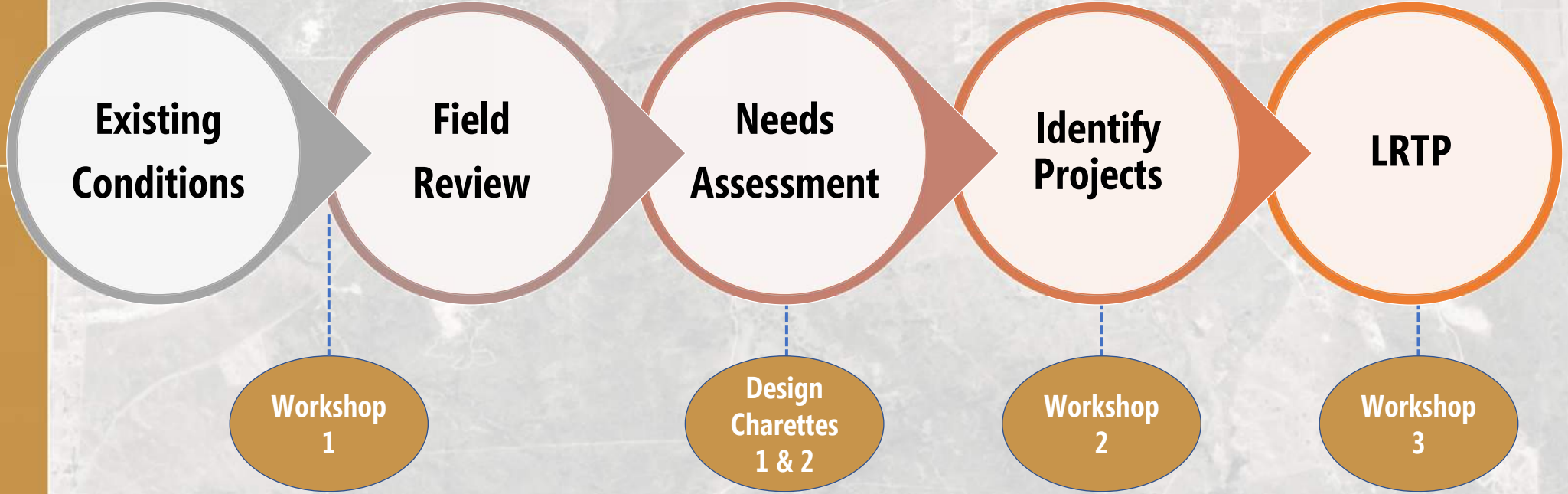
DAWN WILSON
Project Manager



RACHEL GRANT
Project Planner



JACOB SWIM
Project Planner



Overview of Draft Long-Range Transportation Plan



Table of Contents

01

Introduction
p. 2

02

Transportation Assessment
p. 12

03

Community Engagement
p. 32

04

Needs Assessment
p. 42

05

Prioritized Projects
p. 58

06

Implementation & Monitoring
p. 98

A

Appendices
p. 106

01

INTRODUCTION

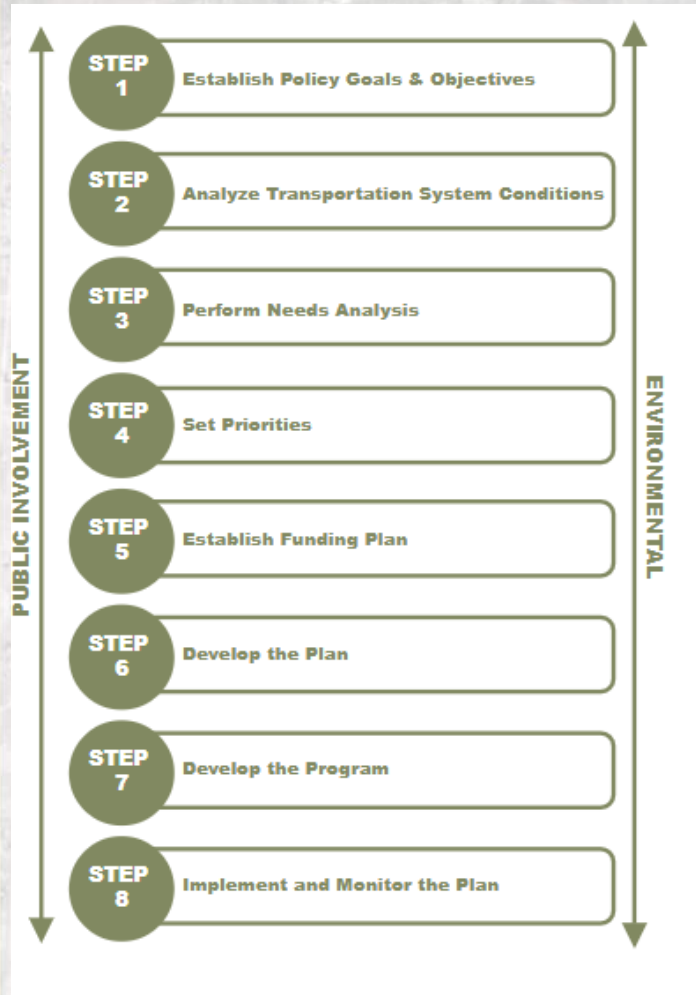


L RTP Planning Process and Goals

GOAL: Provide safe and efficient movement of people and goods across the Reservation by identifying locations for improvements and creating a fiscally constrained list of projects that can address necessary improvements for all modes of transportation.

Transportation Funding Sources

Program	Funding (FY22-FY26)	Formula/Competitive	Description
Tribal Transportation Program (TTP)	\$3.01 B	Formula	Provide safe and adequate transportation and public road access.
Tribal High Priority Projects Program	\$45 M	Competitive	Funding for those whose annual allocation of funding received under the TTP is insufficient to complete the highest priority project.
Tribal Transportation Program Safety Fund	\$121 M	Competitive	Prevent and reduce transportation-related injuries and fatalities on Tribal Lands.
Tribal Technical Assistance Program	\$17.8 M	Competitive	Transportation training and technical assistance.
Accelerated Innovation Deployment Demonstration	\$10 M	Competitive	Provide funding as an incentive to accelerate the deployment and adoption of proven innovative practices and technologies.
Charging and Fueling Infrastructure	\$2.5 B	Competitive	Support deployment of EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure.
Highway Safety Improvement Program (HSIP)	N/A	Formula	Reduce traffic fatalities and serious injuries on all public roads.
Local and Regional Project Assistance (RAISE)	\$8.275 B	Competitive	Fund transportation infrastructure projects with significant local or regional impact.
Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)	\$1.4 B	Competitive	Supports resilience improvements including evacuation planning and preparation, capacity-building, construction activities (oriented toward resilience), construction of (or improvement to) evacuation routes.
Rural Surface Transportation Grants	\$2.0 B	Competitive	Improve and expand surface transportation infrastructure in rural areas.
Safe Streets and Roads for All	\$5.0 B	Competitive	Support local safety initiatives to prevent transportation-related deaths and serious injuries.
Transportation Alternatives	\$7.2 B	Competitive	Fund a variety of generally smaller-scale transportation projects.
Tribal Transit Program	8.75 M	Competitive	Supports existing public transportation service or establish new public transportation services in rural areas.

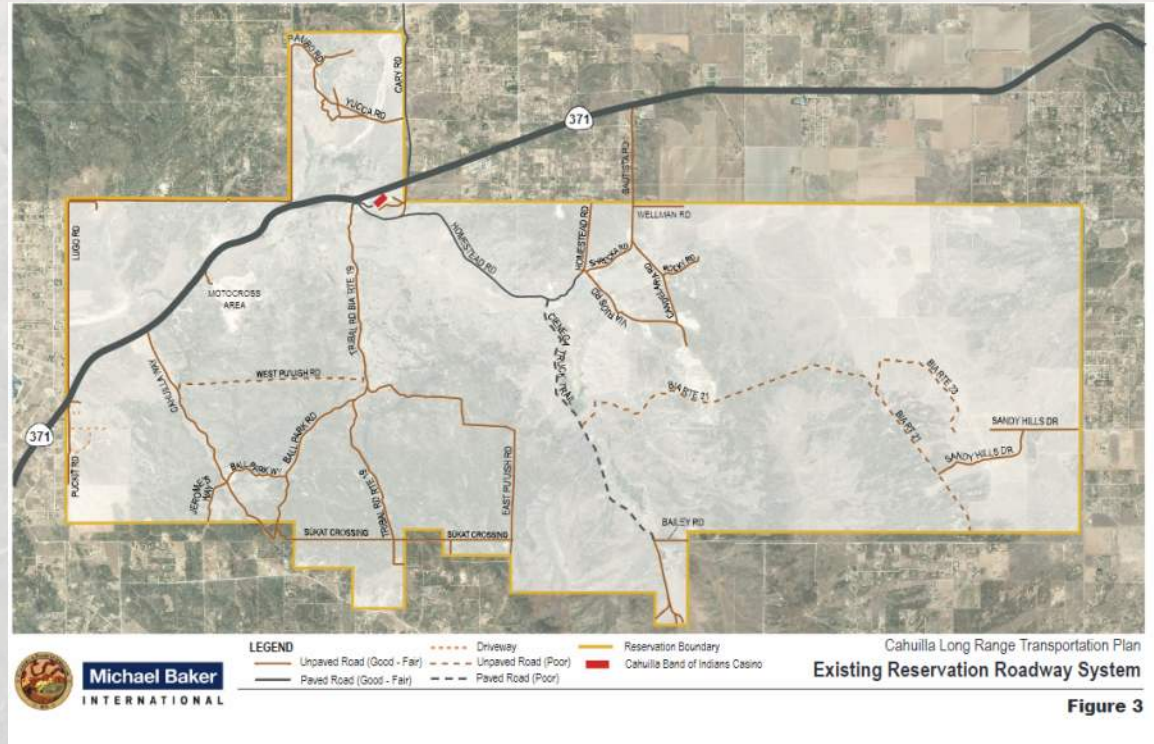
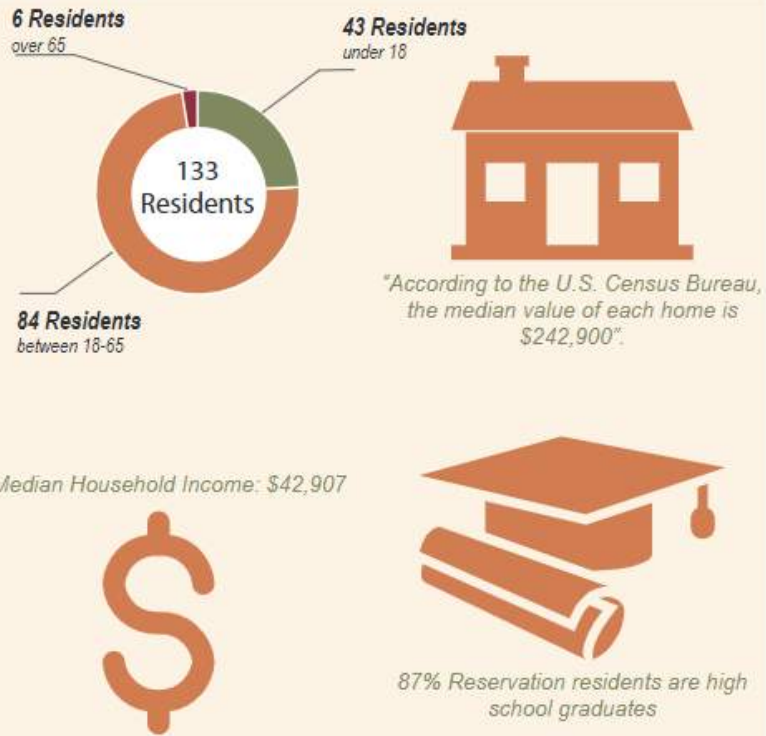


02

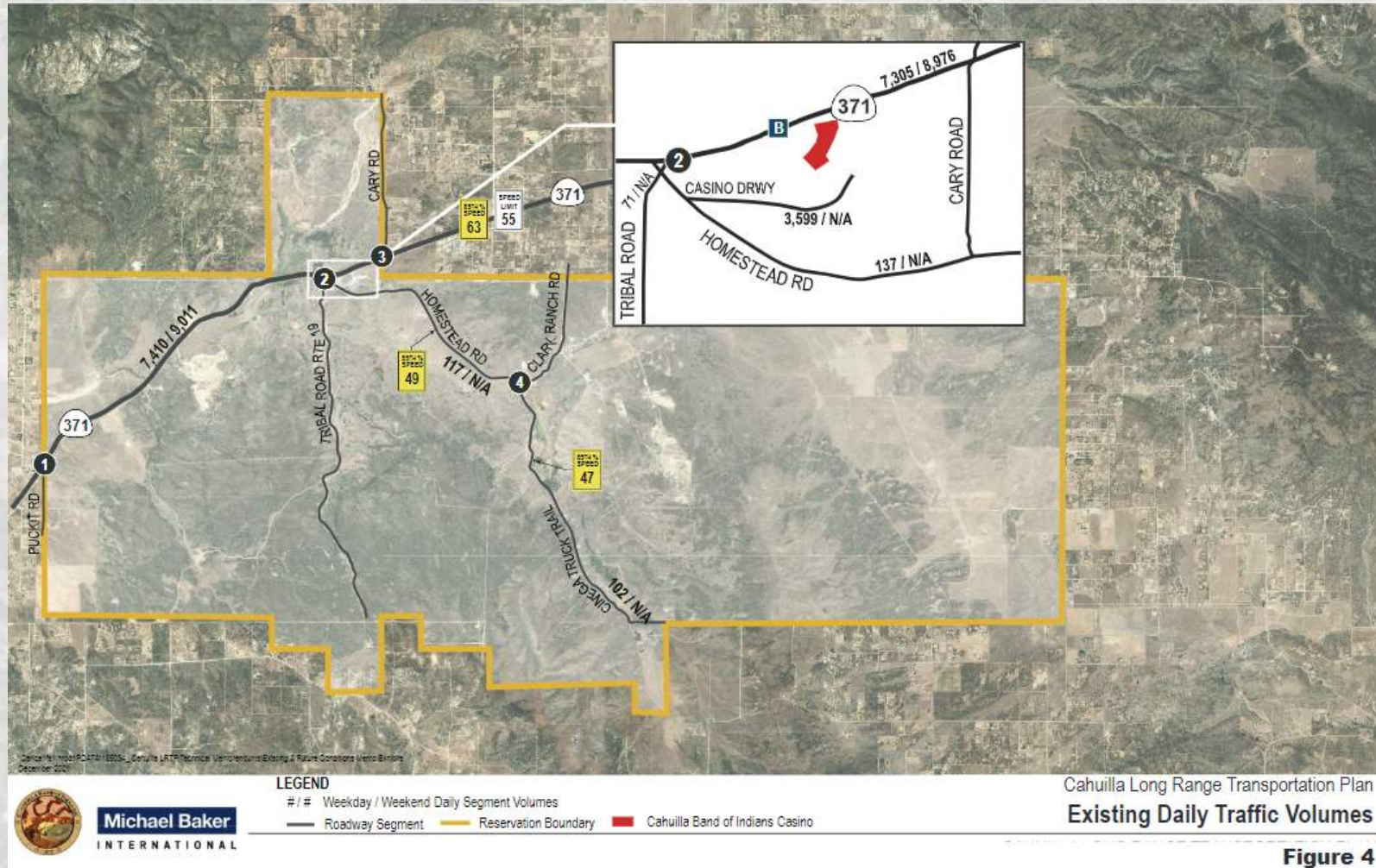
TRANSPORTATION ASSESSMENT



Existing and Future Conditions



Existing Daily Traffic Volumes and Speeds



Cahuilla's Roadway System

Owner	Road Name	Owner Route Name	BIA Route #	Funct. Class	Surface Type	General Condition	Length (Miles)	Width (Feet)	ADT	ADT Year
BIA	Yucca Rd	Route 18 (On Res.)	Route 18	Collector	Paved	Fair	1.2	24	50 est.	2021
BIA	Yucca Rd	Route 18 (On Res.)	Section 10	Collector	Paved	Fair	0.4	24	50 est.	2021
BIA	Yucca Rd	Route 18 (On Res.)	Section 20	Collector	Paved	Fair	0.8	24	50 est.	2021
BIA	Tribal Rd	Route 19 (On Res.)	Route 19	Collector	Earth	Good	3.3	20	100 est.	2021
BIA	Tribal Rd	Route 19 (On Res.)	Section 10	Collector	Earth	Good	2.9	20	100 est.	2021
BIA	Tribal Rd	Route 19 (On Res.)	Section 20	Collector	Earth	Good	0.4	20	100 est.	2021
BIA	Homestead Rd	Route 20 (On Res.)	Route 20	Collector	Paved	Good	2.45	20	117	2021
BIA	Homestead Rd	Route 20 (On Res.)	Section 10	Collector	Paved	Good	0.1	28	117	2021
BIA	Homestead Rd	Route 20 (On Res.)	Section 20	Collector	Paved	Good	1.7	20	117	2021
BIA	Homestead Rd	Route 22 (On Res.)	Section 10	Collector	Earth	Good	0.3	20	50 est.	2021
BIA	Homestead Rd	Route 22 (On Res.)	Section 20	Collector	Earth	Good	0.35	20	50 est.	2021
BIA	Cienega Truck Trail	Route 20 (On Res.)	Section 30	Collector	Paved	Poor	0.4	20	102	2021
BIA	Cienega Truck Trail	Route 20 (On Res.)	Section 40	Collector	Paved	Poor	0.3	20	102	2021
BIA	Cienega Truck Trail	Route 20 (On Res.)	Section 50	Collector	Paved	Poor	0.05	20	102	2021
BIA	Cienega Truck Trail	Route 20 (On Res.)	Section 60	Collector	Paved	Poor	1.6	20	102	2021
BIA	BIA Route 21	Route 21 (On Res.)	Route 21	Collector	Earth	Poor	4.45	10	20 est.	2021
BIA	BIA Route 21	Route 21 (On Res.)	Section 10	Collector	Earth	Poor	0.4	10	20 est.	2021
BIA	BIA Route 21	Route 21 (On Res.)	Section 20	Collector	Earth	Poor	0.9	10	20 est.	2021
BIA	BIA Route 21	Route 21 (On Res.)	Section 30	Collector	Earth	Poor	0.15	10	20 est.	2021

Existing Transit & School Bus Stops



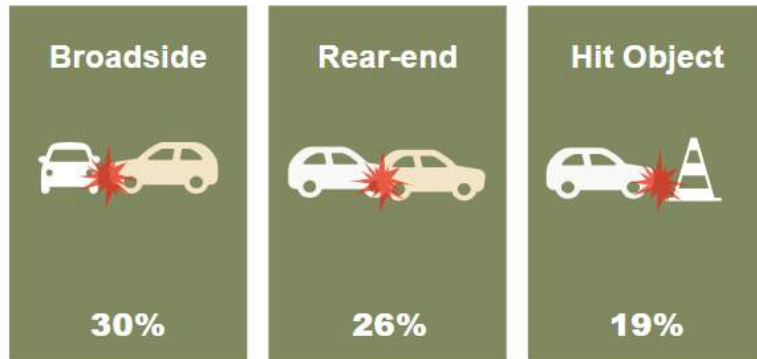
Photo 1. School Bus Stop located at intersection of Yucca Road and Carey Road



Photo 2. School Bus Stop located at intersection of SR-371 and Puckit Road

Safety & Crash Trends

MOST COMMON CRASH TYPES



MOST COMMON CRASH CAUSE



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0 1 2 Miles

Source: BBR, 8/11/19, Riverside County

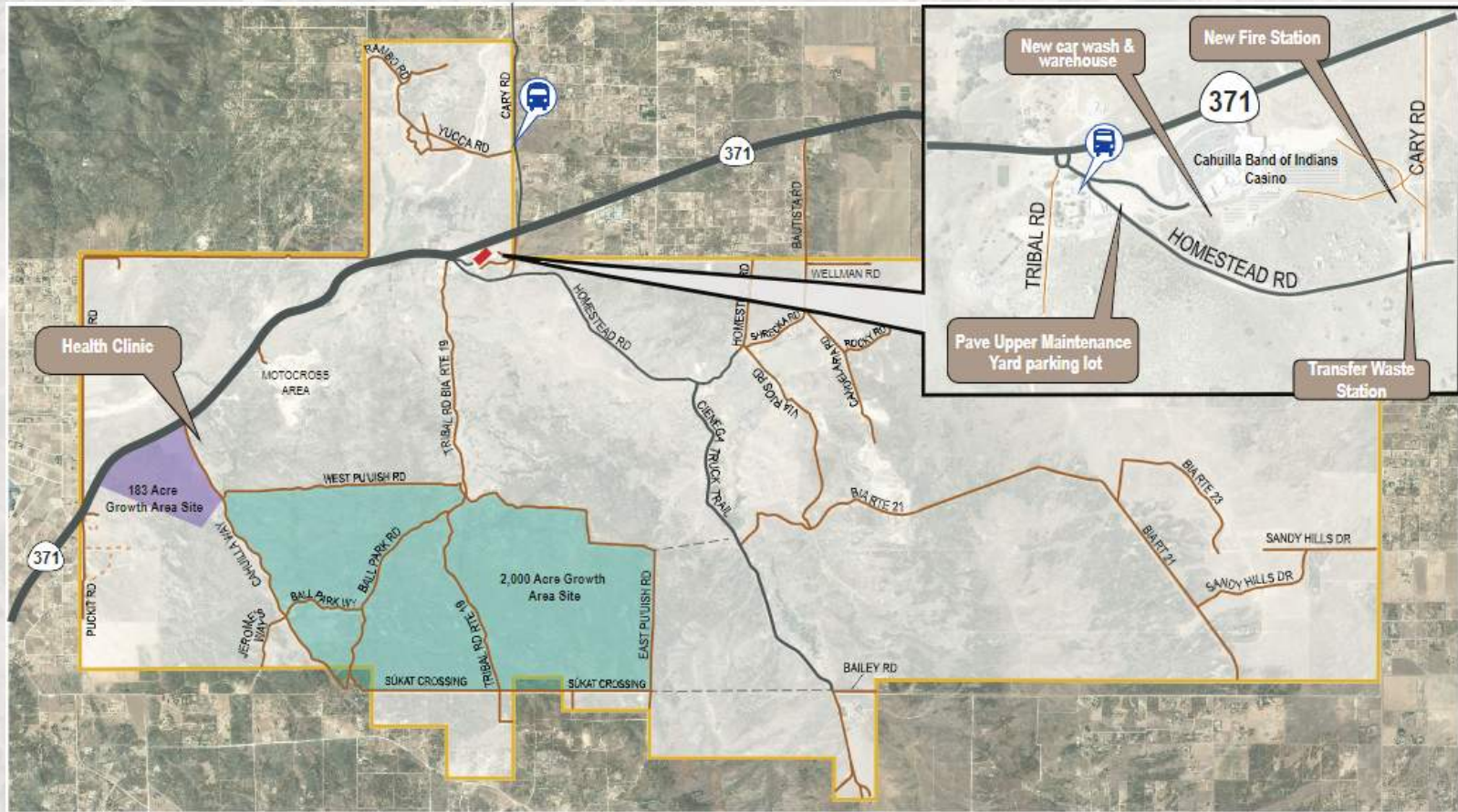
LEGEND

- Cahuilla Reservation
- 1+ Crashes per 1,500 sq. ft.
- 8+ Crashes per 1,500 sq. ft.
- Fatal
- Severe Injury

Cahuilla Long Range Transportation Plan
Crash Heat Map (2016 - 2020)

Figure 5

Near Term Development



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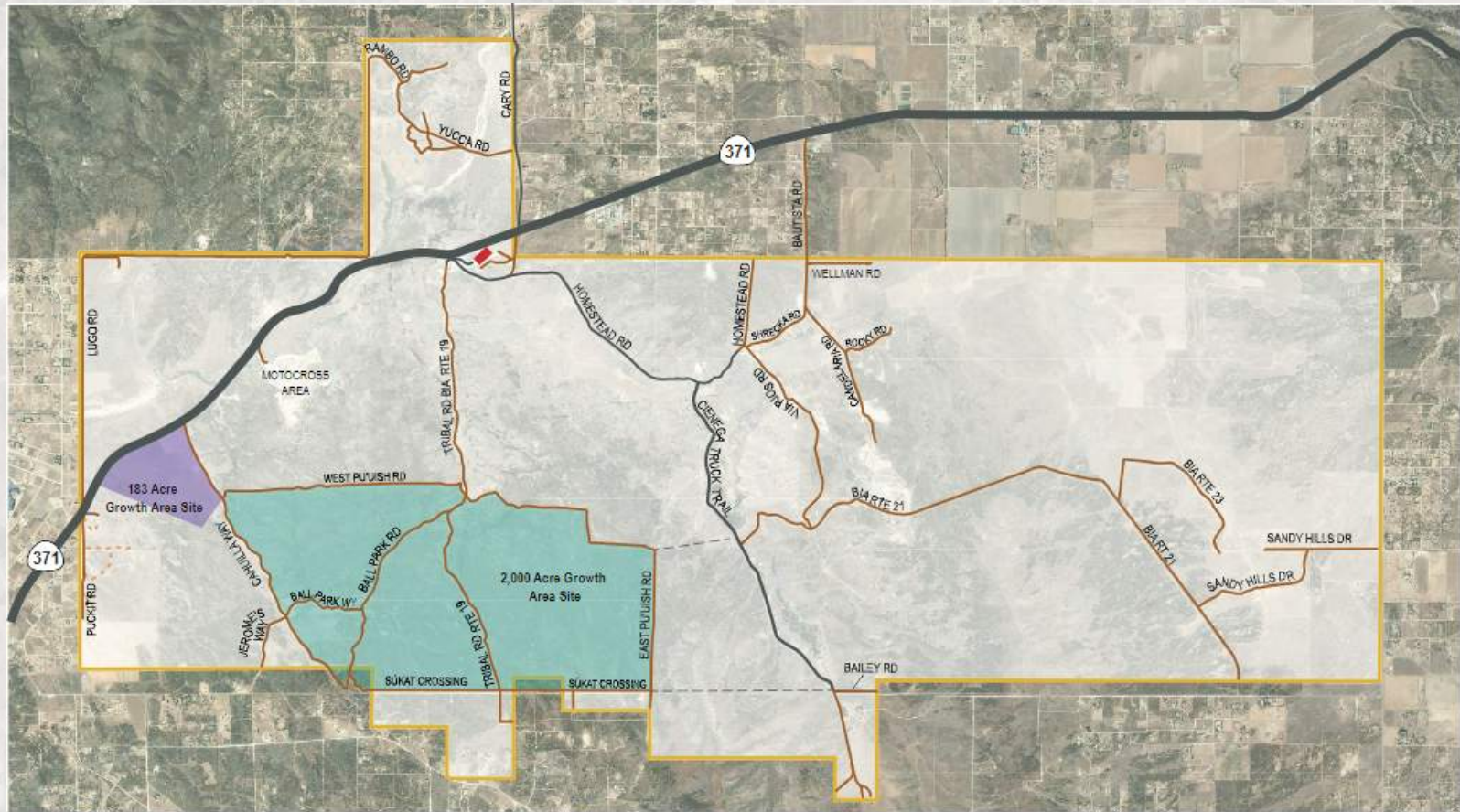
LEGEND

- Unpaved Road
- Driveway
- Paved Road
- Reservation Boundary
- S School Bus Stop
- Near Ter

Cahuilla Long Range Transportation Plan
Near Term Development

Figure 6

Future (Year 2045) Development



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LEGEND
 — Unpaved Road - - - - - Driveway
 — Paved Road ——— Reservation Boundary

Cahuilla Long Range Transportation Plan
Future Development Growth Areas

Figure 7

03

**COMMUNITY
ENGAGEMENT**



Community Outreach



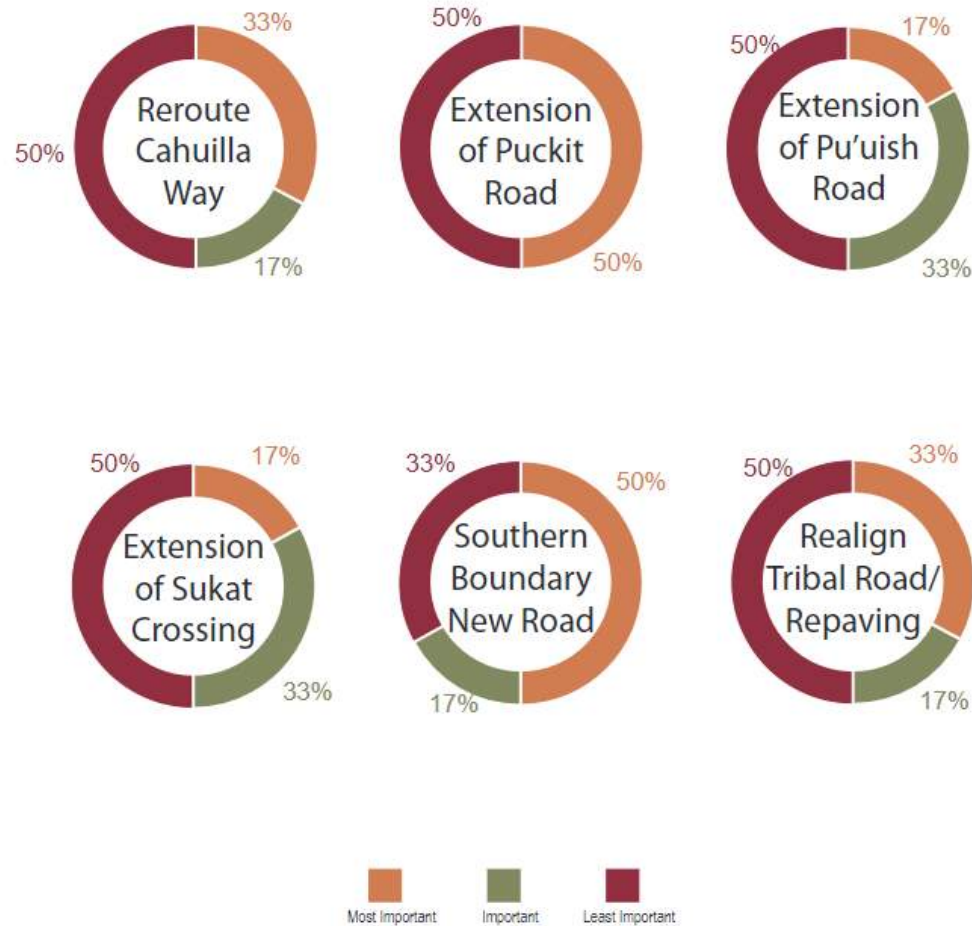
WHAT WE HEARD

- «Improve safety on SR-371 by adding turn lanes and intersection control (i.e. signals or roundabouts)
- «Road improvements and maintenance
- «Bicycle and walking trails
- «Public transportation options



Community Outreach

THE ROADWAY IMPROVEMENT I THINK WILL BEST BENEFIT MY COMMUNITY...



04

**NEEDS
ASSESSMENT**



Transportation Needs



Pedestrian and Bicycle Facilities / Recreation / Equestrian
(Trails, sidewalks, intersection control)



Highway Safety
(Access to SR-371 and traffic control and turn lanes)



Safety Improvements
(Street signs, lighting, wayfinding)



Connection to Future Development
(Internal roadways, traffic control, pavement)



Transit
(Service, bus stop amenities, ride-sharing, signage)



Internal Circulation
(Connections internally, road maintenance, pavement conditions, traffic control)

Toolbox of Solutions



Turn Lanes  




Dirt Path / Earth Surface Trail  



Wayfinding Signage / Street Name Signs   



Shuttle Service / Local Circulation 



Paved & Unpaved Roads 



Roundabouts   



Traffic Signals   



Bus Shelter 



Other Bus Stop Amenities 

Project List

#	Needs Assessment	Project Name
PB-1	Loop Trail 1A: Homestead Trail	Homestead Loop Trail
PB-2	Loop Trail 1B: Ballpark Trail	Ballpark Loop Trail
PB-3	Public trail near casino and hotel	Casino Trail
PB-4	Public trail along SR-371 and Carey Road	SR-371 Trail
PB-5	Public trail along Carey Road from SR-371 and Yucca Road	Yucca Trail
HS-1	Install Traffic Signal at SR-371 and Homestead	SR-371 and Homestead Traffic Signal
HS-2	Install Roundabout or Traffic Signal at SR-371 and New Access Road	New Access Road at SR-371 Traffic Control
HS-3	Advance signage along SR-371	SR-371 Signage
FD-1	Reroute Cahuilla Way (within 183-acre growth area)	Reroute Cahuilla Way
FD-2	New Road -Sukat Crossing bypass Road	Sukat Crossing Bypass Road
FD-3	New Road-East Pu'Uish Road to Cienega Truck Trail	Pu'Uish Road Extension
FD-4	Road Realignment- Tribal Road to Homestead Road south of Admin Buildings	Tribal Road Realignment

#	Needs Assessment	Project Name
FD-5	New Road- Puckit Road	Puckit Road Extension
FD-6	New Road-Southern Boundary	Sukat Crossing Extension Alternative
T-1	Shuttle Service	Reservation Shuttle
T-2	Shuttle Stops with Amenities	Reservation Shuttle Stop
T-3	School Bus Stop Amenities	Bus Stop Updates
IR-1	Pave roadway surface (asphalt)	Paved Roads at: Cahuilla Way, Ballpark Road, Tribal Roads, Cienega Truck Trail, Schrecka Road, Via Rios Road, and Candelareia Road
IR-2	Regrade Earth Surface Roads	Earth Surface Roads at: West Pu'Uish Road, Tribal Road, Candelareia Road
IR-3	Roadway Drainage Improvements	Drainage Improvements at Cahuilla Way, Pu'Uish Road, Tribal Road, Ballpark Road, Ballpark Way
IR-4	Wayfinding and Signage	Wayfinding and Signage at 14 intersections

05

**PROJECT
PRIORITIES**



Prioritization Criteria and Point System

Table 10. Prioritization Criteria

#	Category	Objective
1	Safety	Improves system-wide safety
2	Crash History	Reduces potential for severe or fatal crashes
3	Community Support	Demonstrated community need based on community input
4	Multimodal Access	Provides transportation options within the Reservation
5	Environmental Benefits	Reduces delay, greenhouse gas emissions or reliance on autos
6	Economic Vitality	Connects residents with growth areas
7	Ease of Implementation	Right of way or easement is readily available
8	Funding Opportunities	BIA, FLH or other funding sources available for construction

BIA = Bureau of Indian Affairs; FLH = Federal Lands Highways

Table 11. Point System

Criteria	Low	Medium	High
Safety	7	13	20
Crash History	3	7	10
Community Support	3	7	10
Multimodal Access	3	7	10
Environmental Benefits	3	7	10
Economic Vitality	3	7	10
Ease of Implementation	5	10	15
Funding Opportunities	5	10	15

Project Ranking System

Short-Range: The highest ranked projects are considered to be the Reservation's highest priority projects. The Reservation should identify and apply for funding to construct these projects within 3 to 5 years.

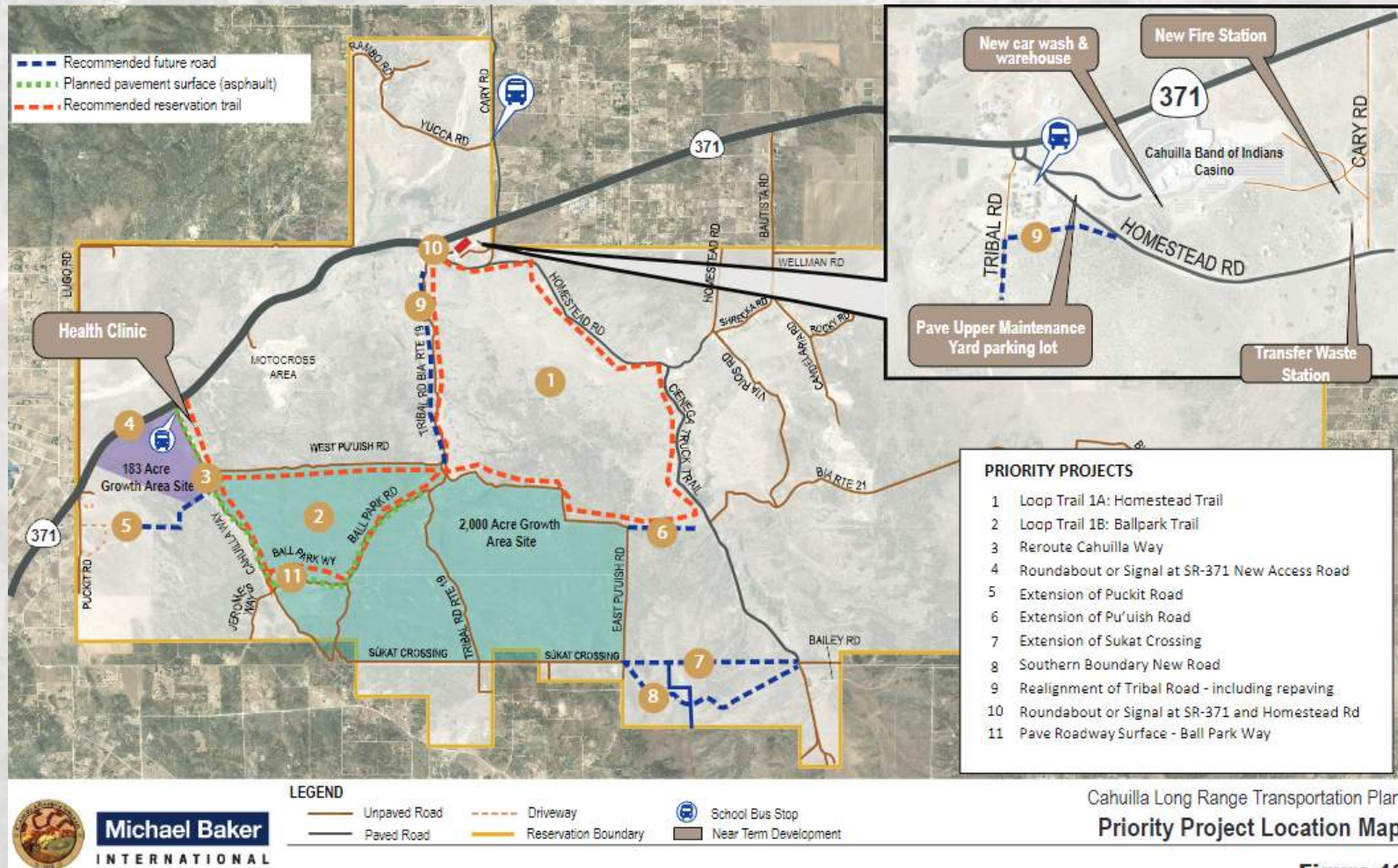
Medium-Range: Projects that are ranked in this category tend to be more complex and will require a higher level of coordination, evaluation, and design. Medium-Range projects will be pursued as funding opportunities arise within approximately 5 to 10 years. However, if funding becomes available sooner these project could be advanced at a faster pace.

Long-Range: Projects that are listed at the end of Chapter 4 and are not part of the prioritized list are considered Long-Range. These projects will be pursued as funding opportunities arise within approximately 10 to 20 years.

Table 12. Prioritized Project List

Prioritization	Project Name	Project Range
1	Homestead Loop Trail	Short-Range
2	Ballpark Loop Trail	Short-Range
3	Reroute Cahuilla Way	Medium-Range
4	Roundabout or Traffic Signal at SR-371 and New Access Road	Medium-Range
5	Extension of Puckit Road	Medium-Range
6	Extension of Pu'Uish Road	Medium-Range
7	Sukat Crossing Bypass Road	Medium-Range
8	Sukat Crossing Extension	Medium-Range
9	Realignment of Tribal Road	Medium-Range
10	Traffic Signal at SR-371 and Homestead	Short-Range
11	Pave Ballpark Way and Ballpark Road	Medium-Range

Priority Projects



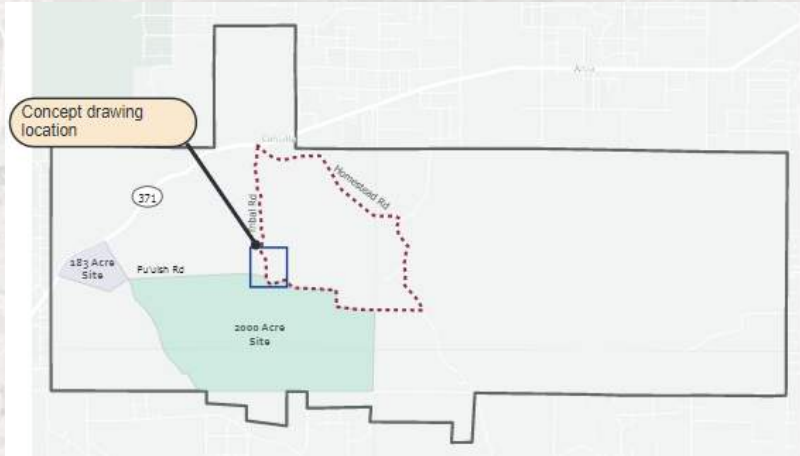
Cahuilla Long Range Transportation Plan
Priority Project Location Map

Figure 13



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Priority Project 1 – Homestead Loop Trail



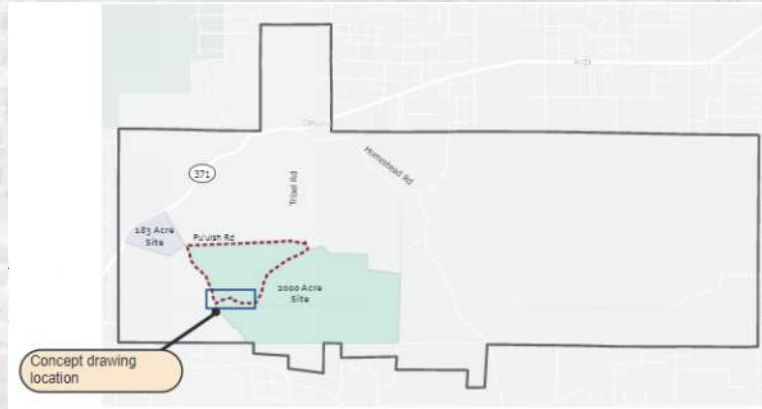
COST ESTIMATE: \$4,800,000



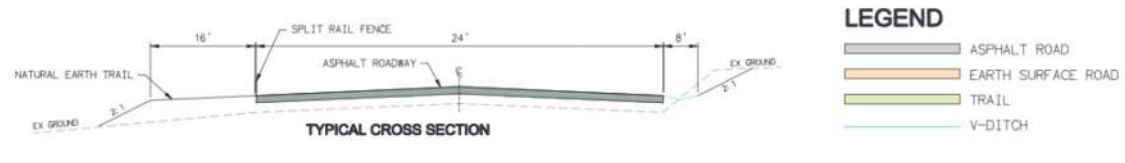
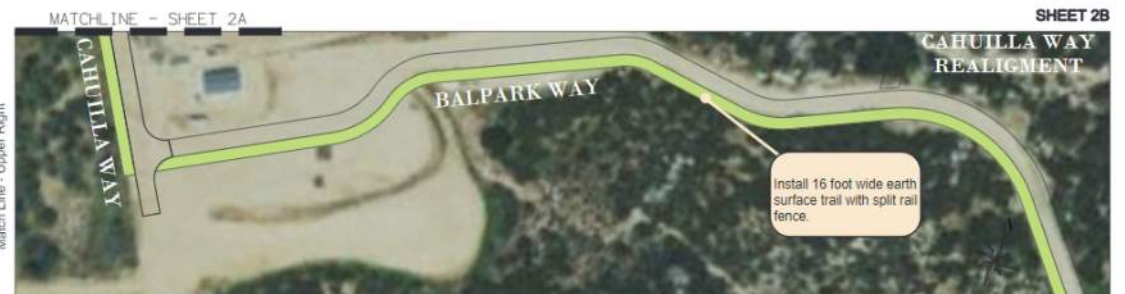
SHEET 2B



Priority Project 2 – Ballpark Loop Trail



COST ESTIMATE: \$3,300,000

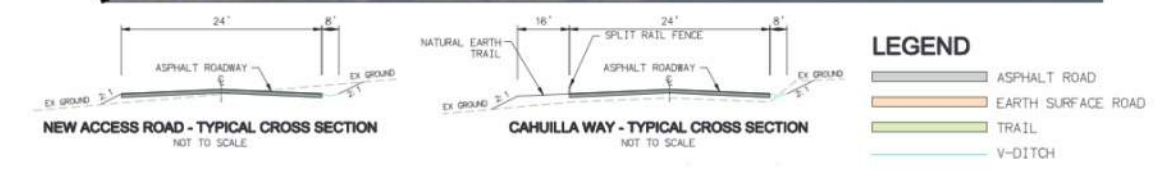
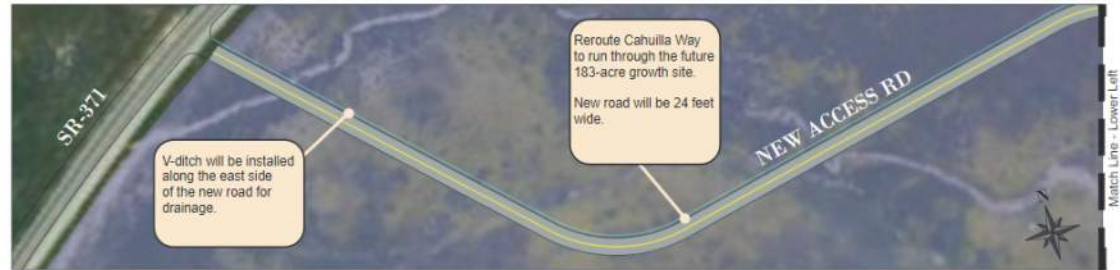


- LEGEND**
- ASPHALT ROAD
 - EARTH SURFACE ROAD
 - TRAIL
 - V-DITCH

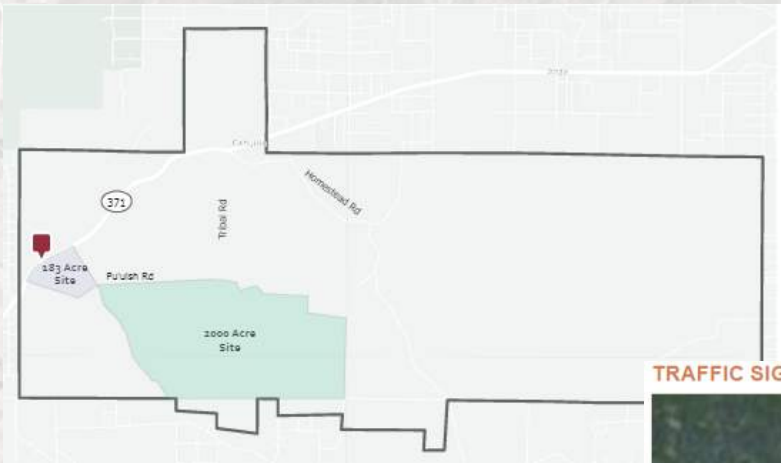
Priority Project 3 – Reroute Cahuilla Way



COST ESTIMATE: \$6,640,000



Priority Project 4 – Roundabout or Traffic Signal at SR-371 & New Access Road



COST ESTIMATE: ROUNDABOUT - \$3,080,000
TRAFFIC SIGNAL - \$1,940,000

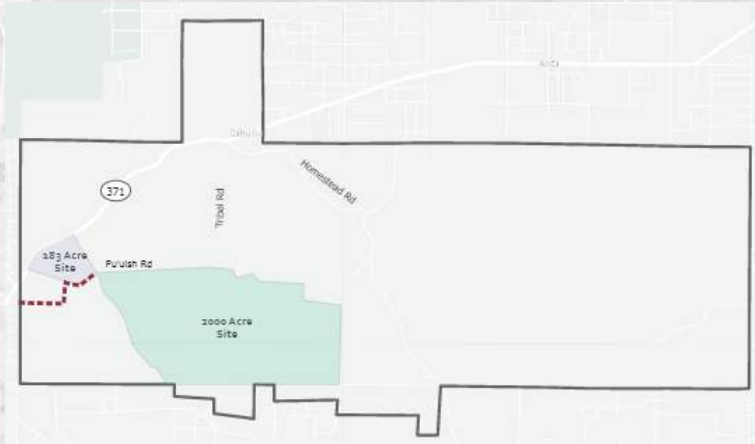
ROUNDABOUT OPTION



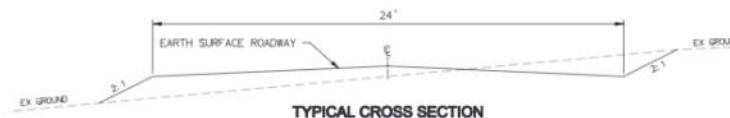
TRAFFIC SIGNAL OPTION



Priority Project 5 – Extension of Puckit Road



COST ESTIMATE: \$500,000



LEGEND

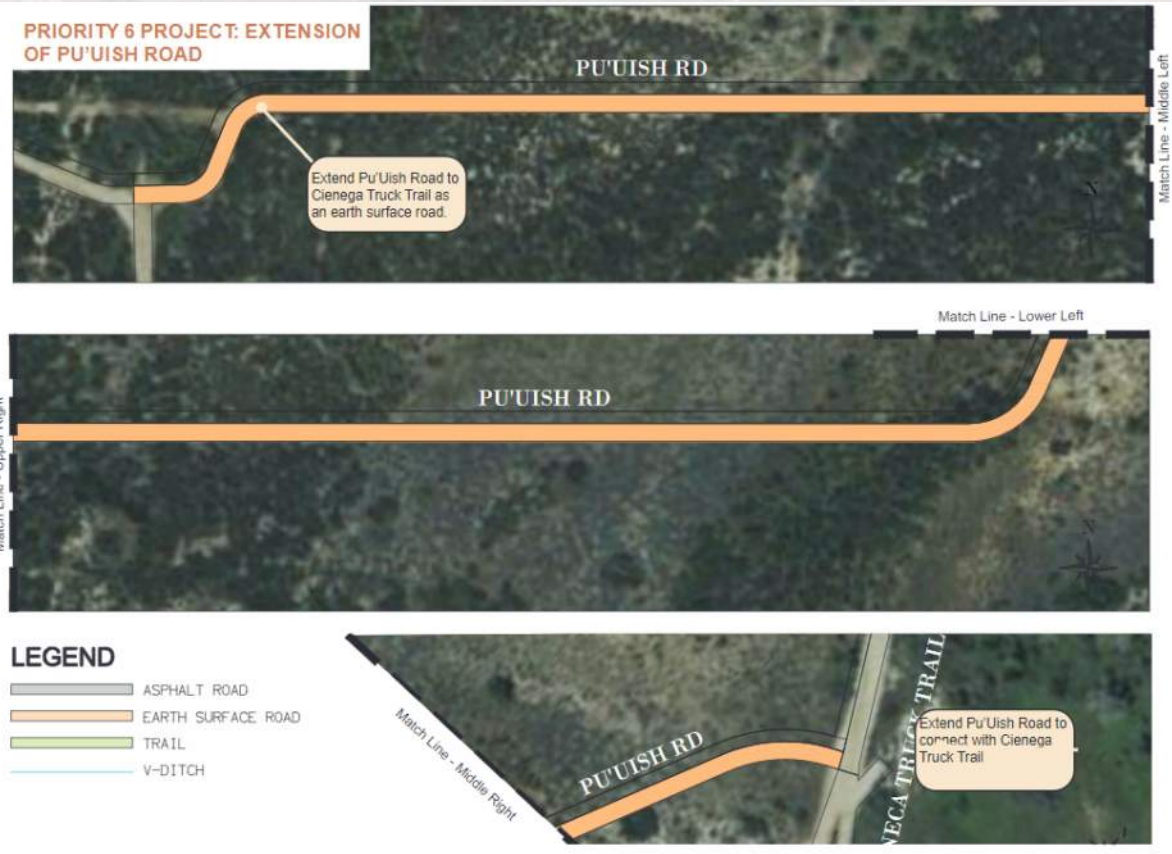
- ASPHALT ROAD
- EARTH SURFACE ROAD
- TRAIL
- V-DITCH

Priority Project 6 – Pu'Uish Road Extension



COST ESTIMATE - \$380,000

PRIORITY 6 PROJECT: EXTENSION OF PU'UISH ROAD



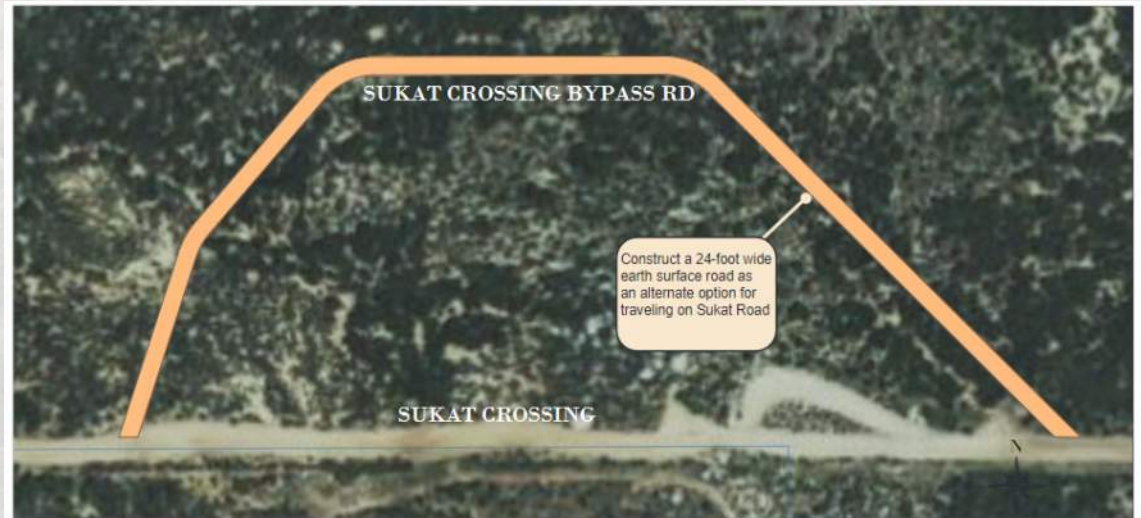
LEGEND

-  ASPHALT ROAD
-  EARTH SURFACE ROAD
-  TRAIL
-  V-DITCH

Priority Project 7 – Sukat Crossing Bypass Road



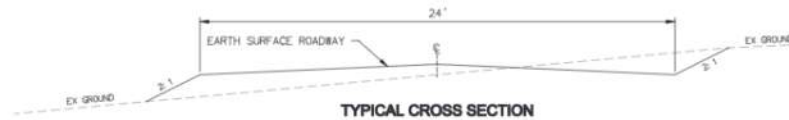
COST ESTIMATE - \$190,000



Priority Project 8 – Sukat Crossing Extension Alternative



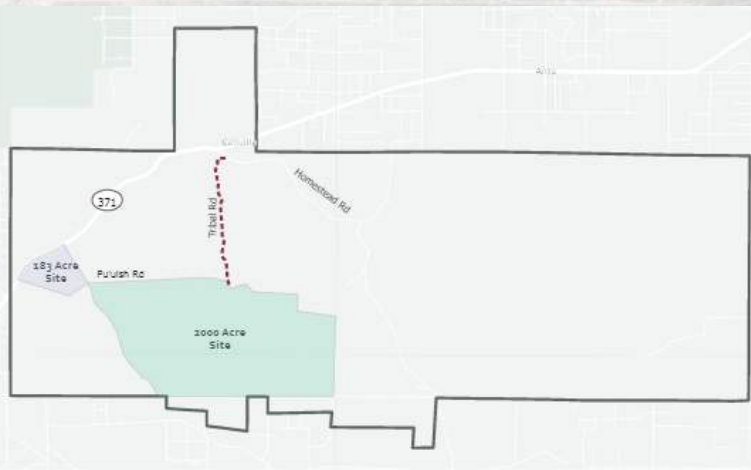
COST ESTIMATE - \$900,000



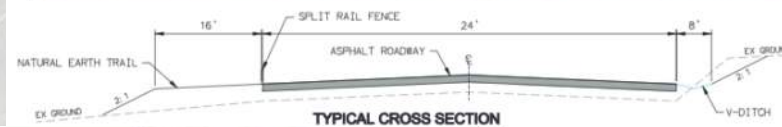
LEGEND

- ASPHALT ROAD
- EARTH SURFACE ROAD
- TRAIL
- V-DITCH

Priority Project 9 – Realignment & Paving of Tribal Road

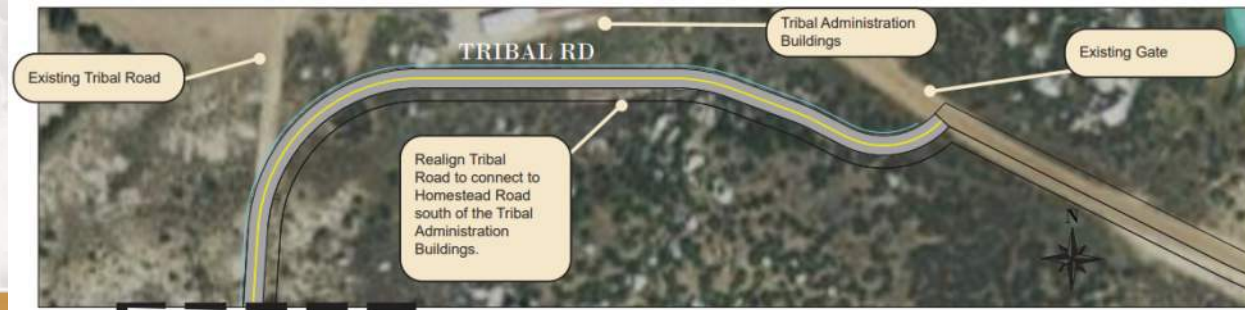


COST ESTIMATE - \$6,600,000



LEGEND

	ASPHALT ROAD
	EARTH SURFACE ROAD
	TRAIL
	V-DITCH



Priority Project 10 – Traffic Signal at SR-371 & Homestead Road



COST ESTIMATE - \$3,425,000



LEGEND

- ASPHALT ROAD
- EARTH SURFACE ROAD
- TRAIL
- V-DITCH

Priority Project 11 – Pave Ballpark Way and Ballpark Road



COST ESTIMATE - \$5,850,000



06

IMPLEMENTATION & MONITORING



Implementation Strategy

Table 13. Prioritized Project List & Estimated Construction Cost

Prioritization	Project Name	Project Range	Cost Estimate
1	Homestead Loop Trail	Short-Range	\$4,800,000
2	Ballpark Loop Trail	Short-Range	\$3,300,000
3	Reroute Cahuilla Way	Medium-Range	\$6,640,000
4	Roundabout or Traffic Signal at SR-371 and New Access Road	Medium-Range	\$3,080,000 (Roundabout) \$1,940,000 (Signal)
5	Extension of Puckit Road	Medium-Range	\$500,000
6	Extension of Pu'Uish Road	Medium-Range	\$380,000
7	Sukat Crossing Bypass Road	Medium-Range	\$190,000
8	Sukat Crossing Extension	Medium-Range	\$900,000
9	Realignment of Tribal Road	Medium-Range	\$6,600,000
10	Traffic Signal at SR-371 and Homestead	Short-Range	\$3,425,000
11	Pave Ballpark Way and Ballpark Road	Medium-Range	\$5,850,000

1) BUILDING THE NETWORK BY PRIORITY

2) COMMUNITY ENGAGEMENT

3) AGENCY COORDINATION

4) FUNDING

5) ENVIRONMENTAL CLEARANCE & ENGINEERING DESIGN

6) BUILD

Monitoring

1) CONDUCT REGULAR COMMUNITY MEETINGS WITH TRIBAL MEMBERS AND STAKEHOLDERS ONCE A YEAR TO DISCUSS TIMELINES, FUNDING AND EFFECTIVENESS OF PROJECTS WITHIN THE LRTP.

2) REPORT THE PROGRESS OF THE LIST OF PRIORITY PROJECTS ON THE TRIBE'S WEBSITE WITH A MAP SHOWING THE LOCATIONS AND BRIEF DESCRIPTIONS OF THE PROJECTS.

3) CONDUCT AN ONLINE SURVEY AFTER EACH PROJECT HAS BEEN COMPLETED TO UNDERSTAND THE BENEFITS AND IMPACTS OF THE PROJECT.



HOW TO SUBMIT COMMENTS ON DRAFT LRTP

OPTION 1

Submit Electronic
Comments in PDF via
Email to Public Works

OPTION 2

Mail or Hand Deliver
Written Comments to
Public Works

OPTION 3

Submit Comments via
Website

www.cahuillalrtp.net

Questions & Answers



Shared Mobility



Meeting Wrap Up



Next Steps

- Workshop 3 – January 11, 2023 (We are here)
- Public Review of Draft LRTP – January 12th – 25th
- Present Draft LRTP to Tribal Council – January 13th
- Finalize LRTP – January 31st



RAFFLE



Q&A + More Info

- Q&A
- Visit
 - www.CahuillaLRTP.net
- Contacts
 - Steven Leash
 - Garrett Pewe
 - E: PublicWorks@Cahuilla.net

Draft LRTP is Available for Review!

The Draft Long Range Transportation Plan (LRTP) is available for public review. The public review period will extend from January 10th through January 25th, 2023. Comments can be submitted in three ways:

Option 1: Download a PDF of the LRTP and submit comments in electronic format by sending an email to (Public Works email)

Option 2: Download and print the LRTP and submit hand written comments to Public Work at (add address)

Option 3: Submit a general comment using the comment form on this page, which will email comments directly to public works.

Option 1: Submit Electronic Comments in PDF via Email

[Download Draft LRTP](#) [Email Comments to Public Works](#)

Option 2: Mail or Hand Deliver Written Comments to Public Works

Public Works Department
Cahuilla Band of Indians
8270 Hwy 37
Arvin, CA 93530
Attention: Garrett Pewe, Project Manager

Option 3: Submit Comments via Website

Name *

First Name Last Name

Email *

Subject *

Message *

[Submit](#)



CAHUILLA LONG RANGE TRANSPORTATION PLAN

JOIN US FOR THE FINAL COMMUNITY MEETING TO REVIEW THE FINDINGS AND RECOMMENDATIONS IN THE LRTP DOCUMENT.

CAHUILLA COMMUNITY WORKSHOP #3
VIRTUAL via ZOOM:
<https://us06web.zoom.us/j/86097393387p-wd-K0illy9RiV1TUZ+3T8IZz3SNEY+ds09>
MEETING PASSCODE: 133873

SCAN QR CODE



FINAL COMMUNITY MEETING:
WEDNESDAY, JANUARY 11, 2023
6:00 - 7:30 PM PST

OPEN TO ALL CAHUILLA COMMUNITY MEMBERS & STAKEHOLDERS

MORE INFO VISIT: [HTTP://WWW.CAHUILLALRTP.NET](http://WWW.CAHUILLALRTP.NET)

CAHUILLA LONG RANGE TRANSPORTATION PLAN



VISIT THE PROJECT WEBSITE:

- For Project Updates
- Upcoming Community Outreach Events
- To Provide Feedback
- To Stay Informed

OPEN TO ALL CAHUILLA COMMUNITY MEMBERS & STAKEHOLDERS

More info visit: <http://www.cahuillalrtp.net>

**Thank you for
participating!**

Thank you - Achamá

