

Salt River Pima-Maricopa Indian Community

Long Range Transportation Plan

AND TRIBAL TRANSPORTATION SAFETY PLAN

SRPMIC Transportation Planning Process

National Transportation in Indian Country

2022 Conference

Kimley»Horn

SRPMIC Introduction

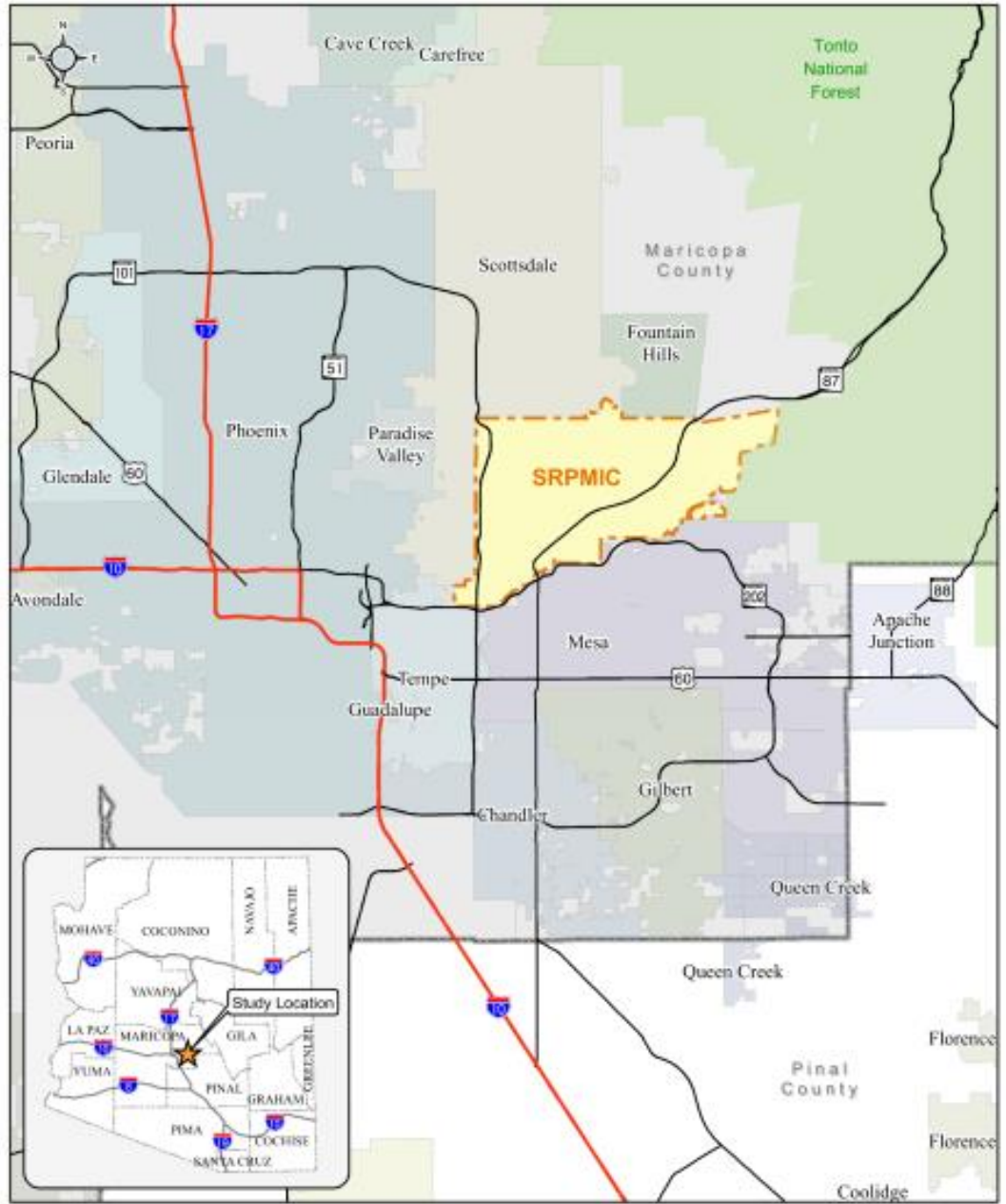
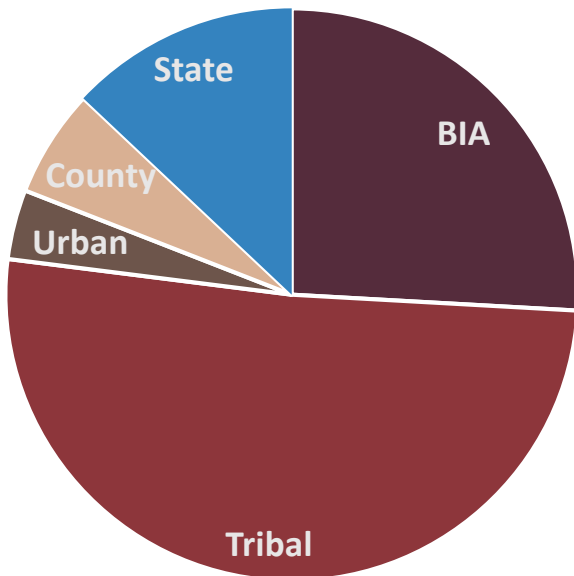


■ Demographics

- 52,600 acres
- Tribal and allotted land
- Over 10,800 enrolled members

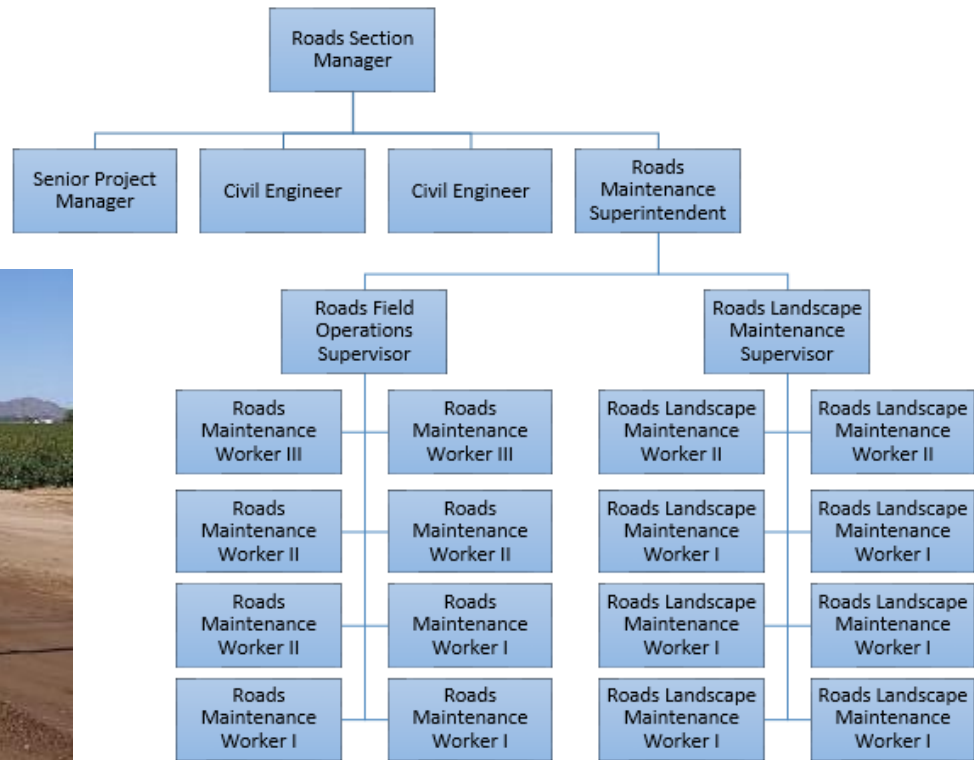
■ TTP System Inventory

- 195 miles total
- 136 miles paved
- 46 miles unpaved
- 13 proposed



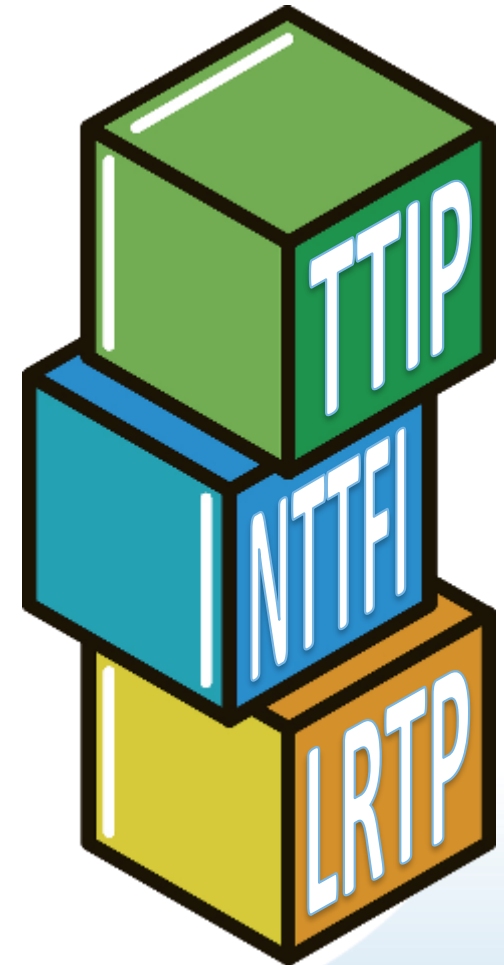
Roads Organization

- Transportation Planning
- Project Management
 - Design
 - Construction
- Road Maintenance



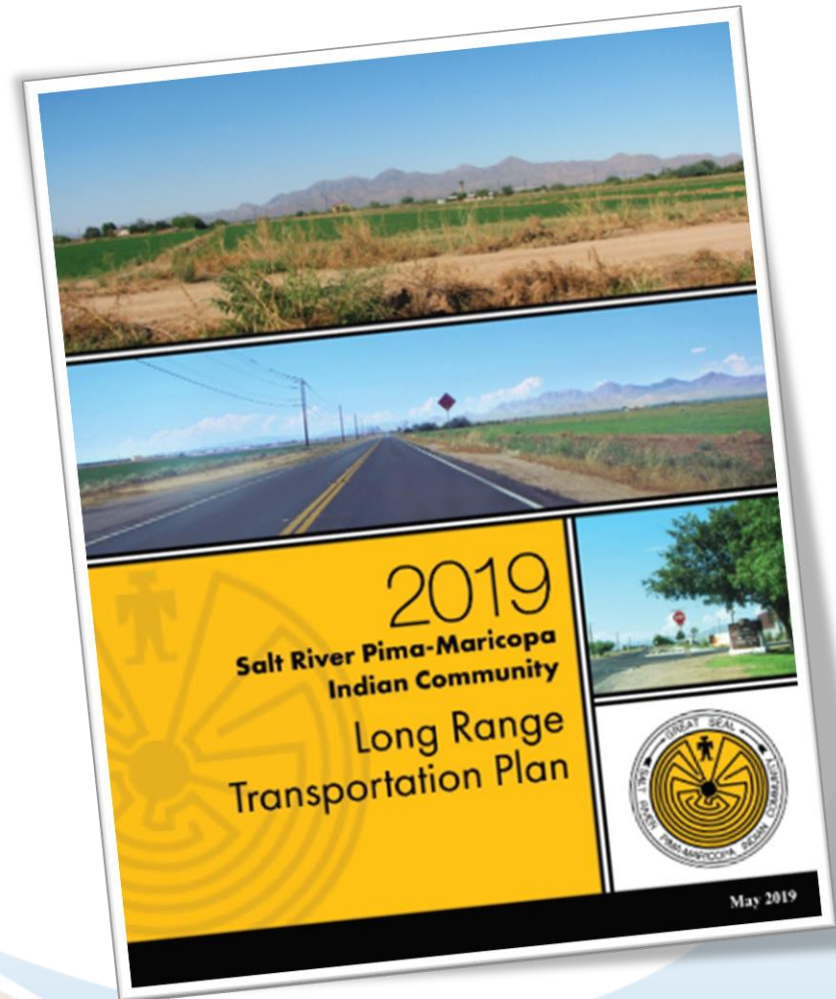
Transportation Planning Building Blocks

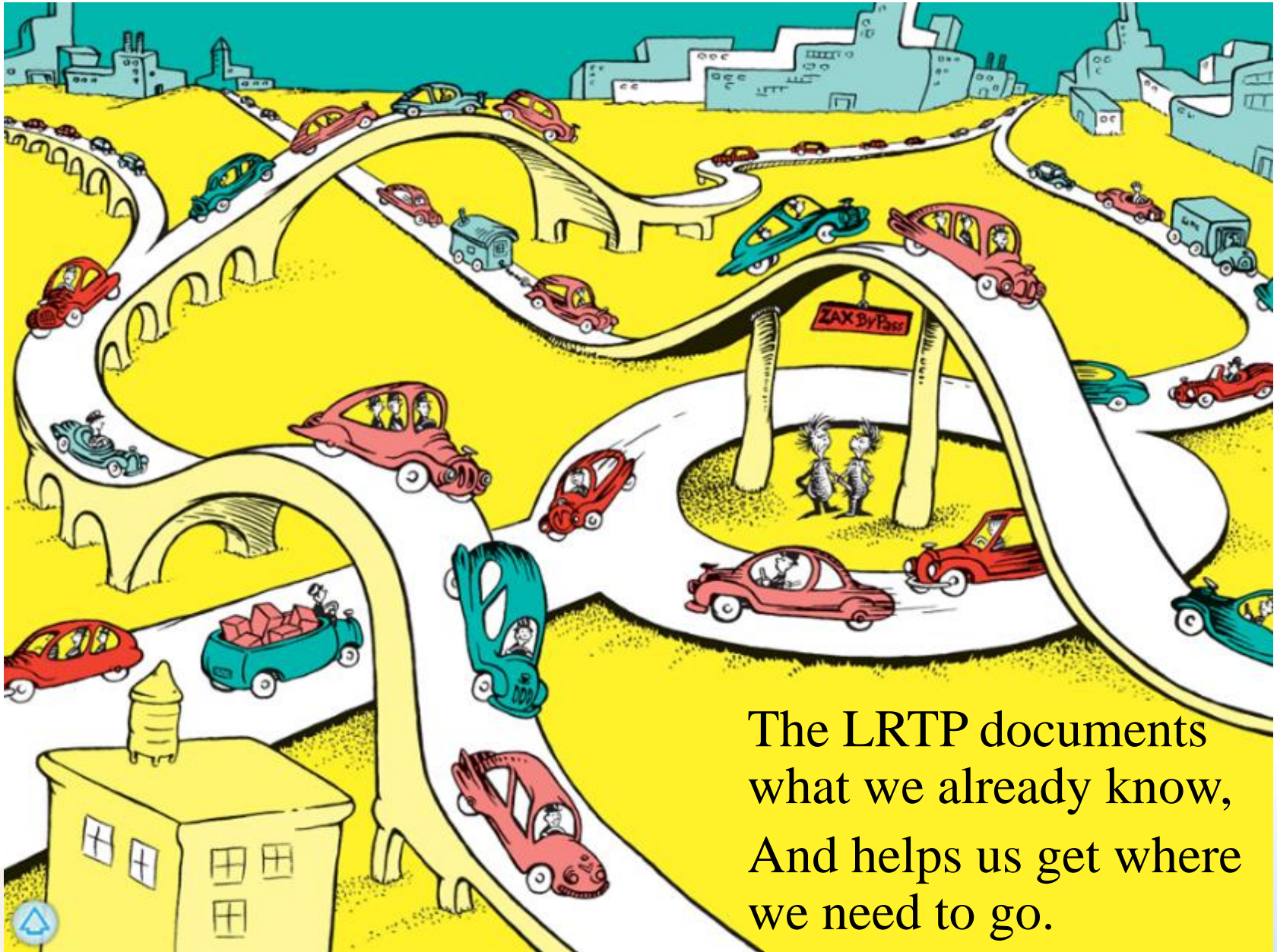
- Long Range Transportation Plan (LRTP)
 - Reviewed annually
 - Updated at least every 5 years
- National Tribal Transportation Facility Inventory (NTTFI)
- Tribal Transportation Improvement Program (TTIP) or Tribal Priority List
 - Submitted annually
- The LRTP identifies transportation facilities for the NTTFI and guides what becomes a funded project on the TTIP (or Tribal Priority List)



Long Range Transportation Plan

- The LRTP looks at data, needs, models for future growth, and identifies a list of projects
 - Traffic Counts/Traffic Demand
 - Crash Data/Public Safety
 - Pavement Condition
 - Community and Stakeholder Input
 - Land Use/Economic Development





The LRTP documents what we already know, And helps us get where we need to go.

Traffic Counts (Speed/Classification)

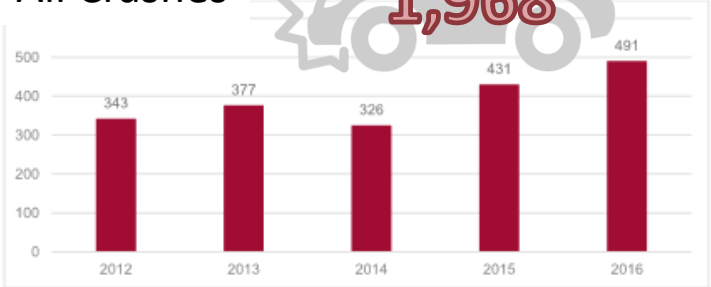
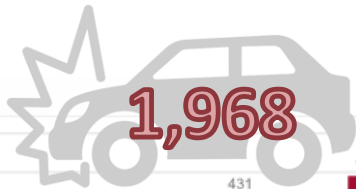


Figure 7. Posted Speed Limits and Roads Recording 85th Percentile Speeds Exceeding 10 mph over the Speed Limit

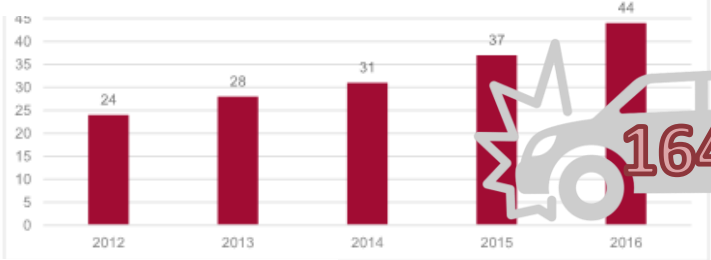
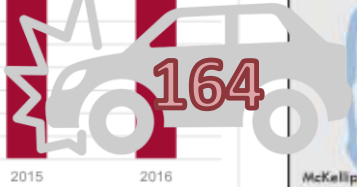


Crash Data

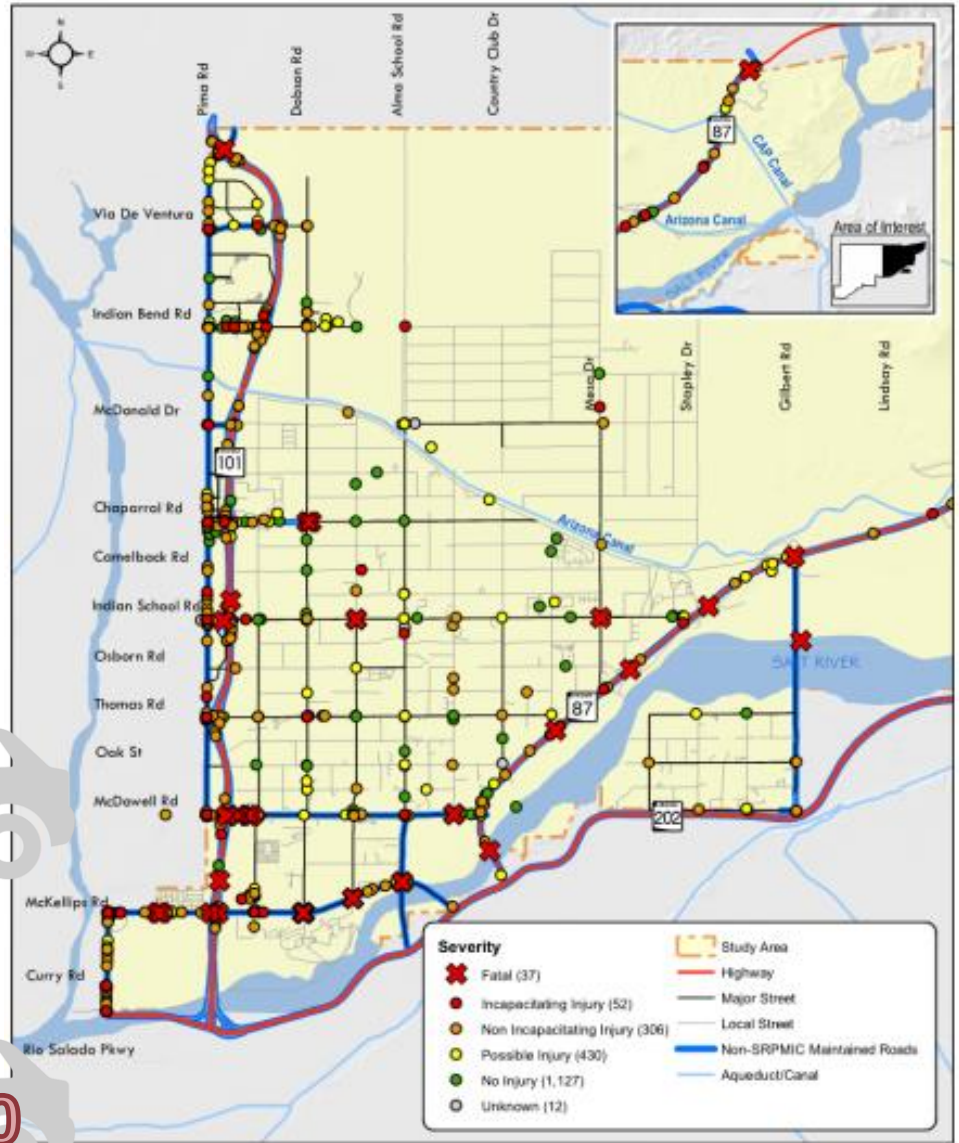
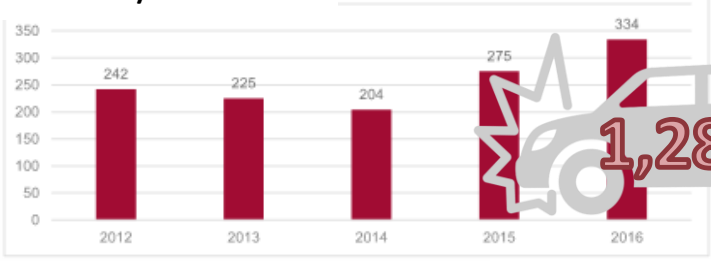
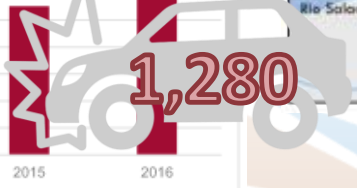
All Crashes



SRPMIC/BIA Roads

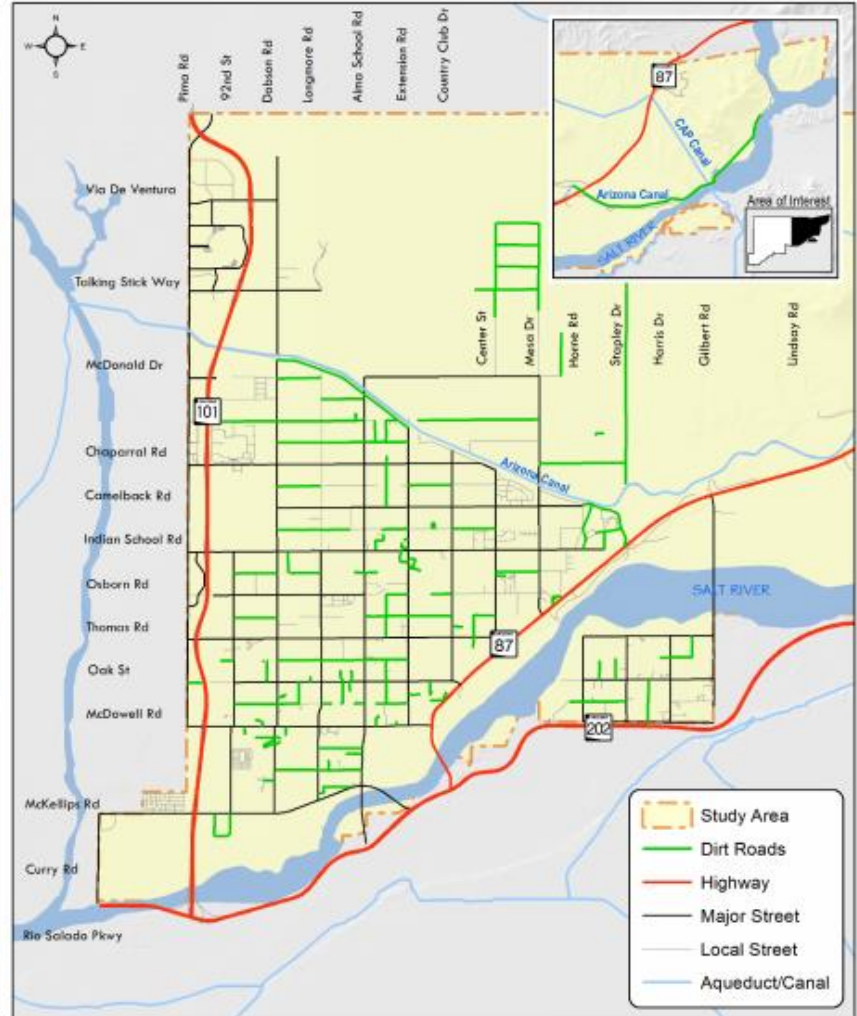
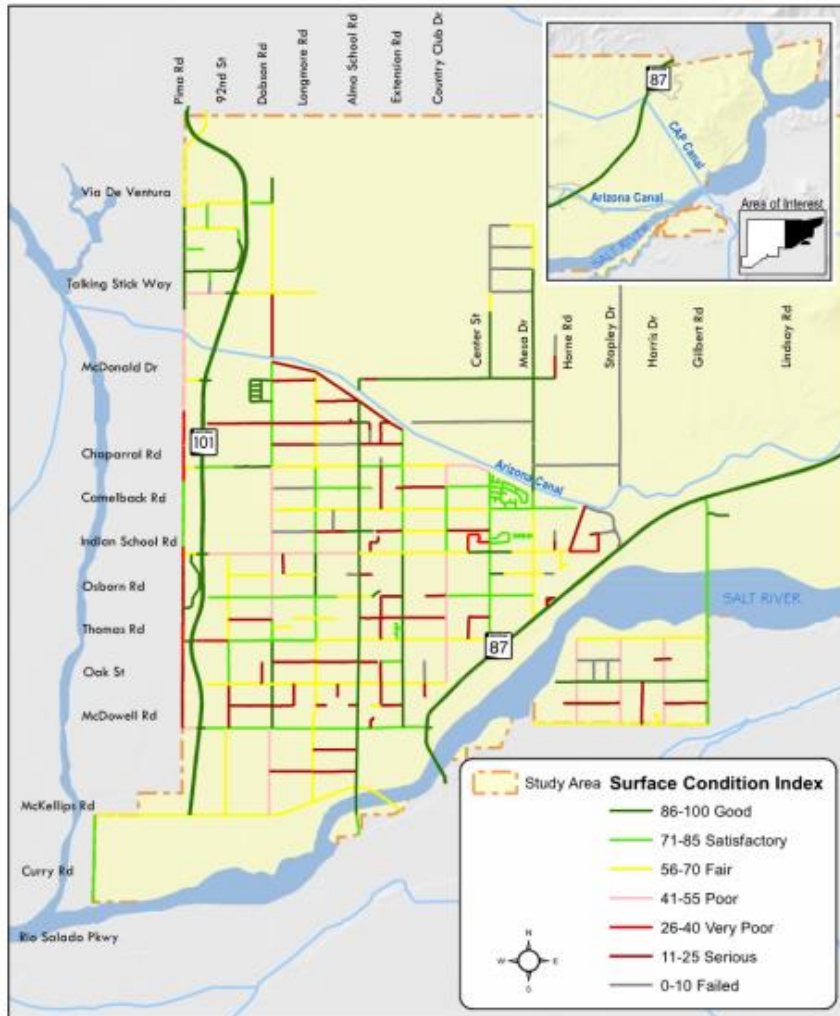


SR101/Pima Rd



Pavement Conditions

Unpaved Roads



Public Involvement

- Stakeholder Workshops
- Council Work Session
- Tribal Safety Fairs
- Technical Advisory Committee
- O'odham Action News
- Public Hearing
- Council District Meetings

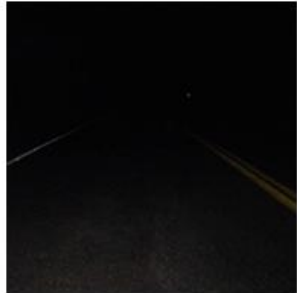








Public Works

Street Light Survey

Public Works will be installing a new sidewalk along Mesa Drive from Indian School Road to the Arizona Canal and Camelback Road from Center Street to Mesa Drive. We would like your input to determine the level of street lighting desired for the project. We would also like your opinion on preferred street lighting levels in general throughout the Community. Using one of the methods below, please select the amount of street lighting you would prefer for the **project** and **Community-wide**.

| Dark Sky Rural Setting | Select Locations (bus stops, high crash areas, intersections) | Major Streets or High Residential Locations | Community-wide Urban Setting |
|--|---|--|---|
|  |  |  |  |
|  <p style="text-align: center;">INCREASE IN LIGHTING LEVELS</p> | | | |

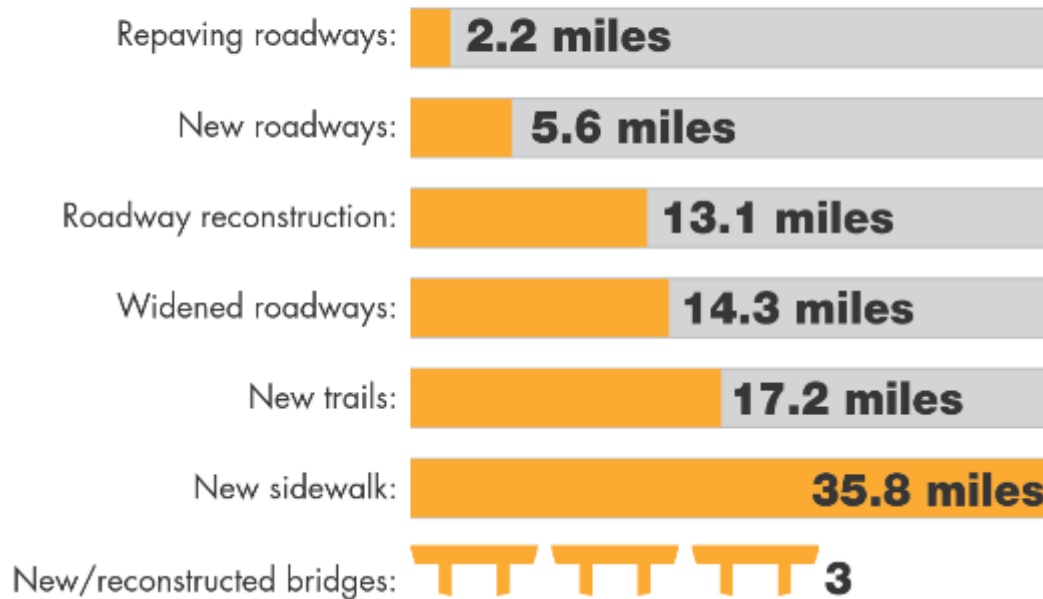
Let us know your preferred lighting level for each area:

Project (Mesa Dr. & Camelback)

Community-wide

Priority Projects

100 Transportation Improvements Proposed to be Implemented over the Next 20 Years



- Routine maintenance
- Traffic safety projects
- Ongoing transportation planning
- Traffic calming

Phased Implementation Plan

- Near Term FY 2018-2022
- Mid Term FY 2023-2026
- Long Term FY 2027-2040



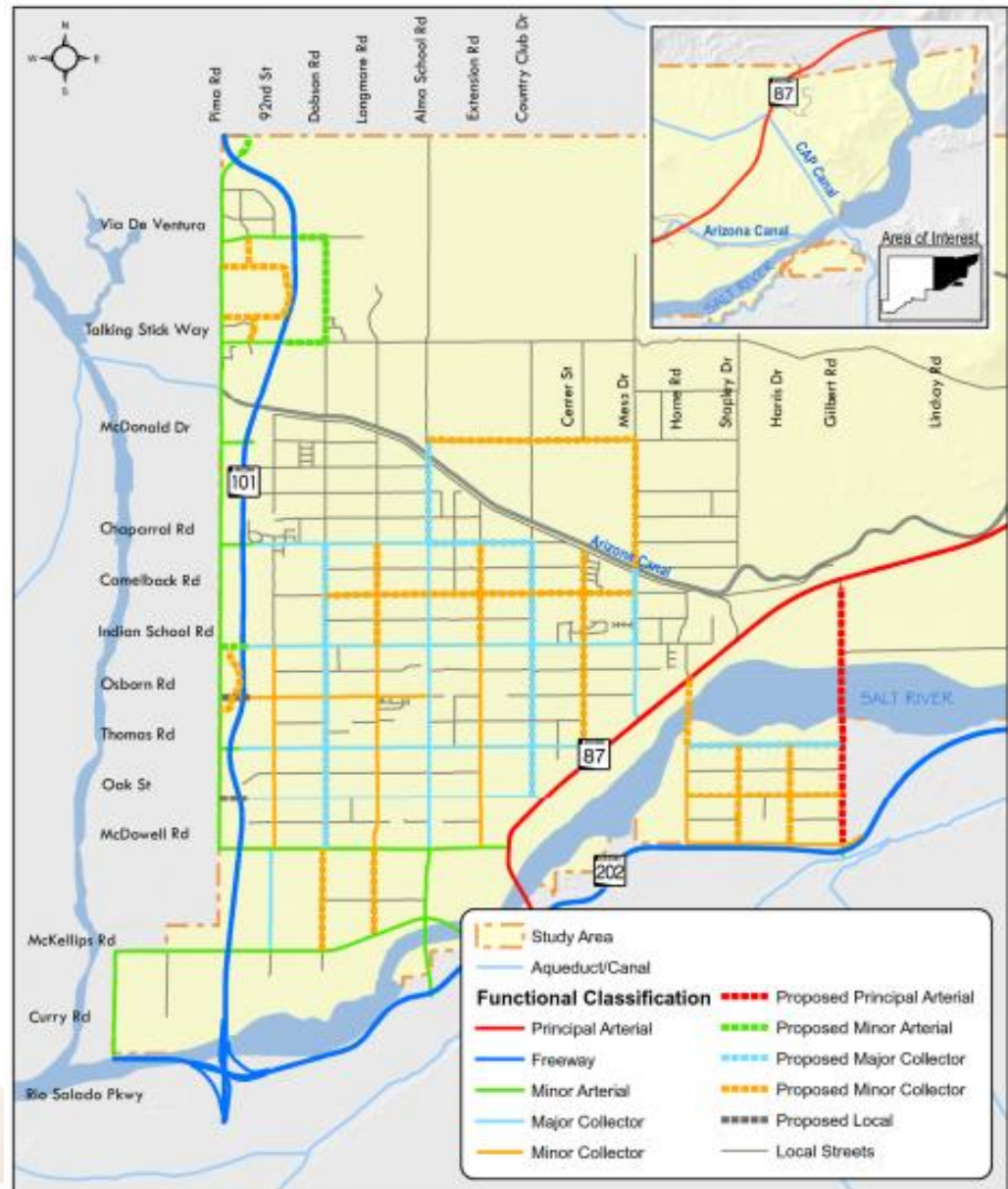


Trail and Sidewalk Projects

- Phased approach
- Projects coinciding with Trail System will include pedestrian improvements
- Plan includes planning-level cost estimates

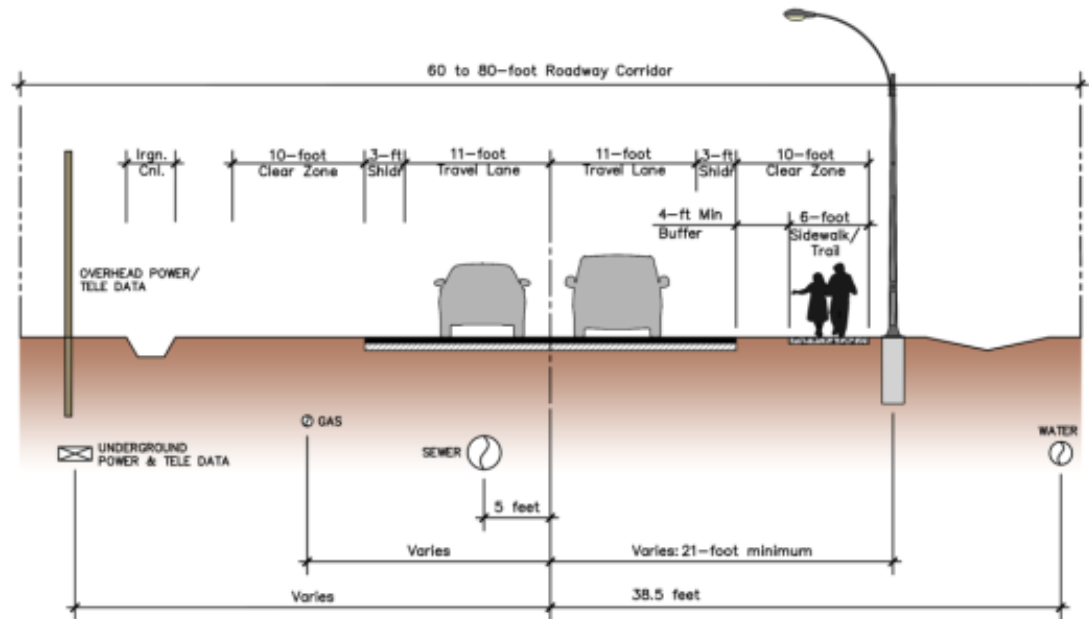
Functional Classification

- BIA converting to FHWA functional classification system
- Arizona statewide rebalancing effort



Typical Sections

- Rural access road
- Rural local road
- Urban local road – residential subdivision
- Urban local road-commercial
- Rural minor collector
- Urban minor collector
- Rural major collector
- Urban minor arterial



Note: Six-foot detached sidewalks/trails will be placed in designated locations. Light poles shall be located a minimum of 10 feet from the edge of travel lane and one-foot from sidewalk edge. Section faces either North or West.

Sources: SRPMC Street Lighting Guidelines, 2018, American Association of State Highway and Transportation Officials, Roadside Design Guide, 2011

Figure 31. Rural Minor Collector, 60 to 80-Foot Right-of-Way

Figure 27. Rural Access Road, 30-Foot Right-of-Way

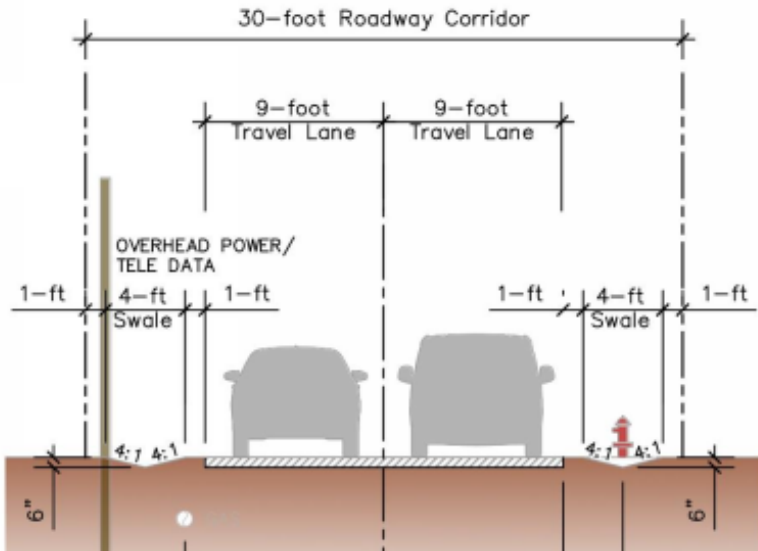


Figure 28. Rural Local Road, 50-Foot Right-of-Way

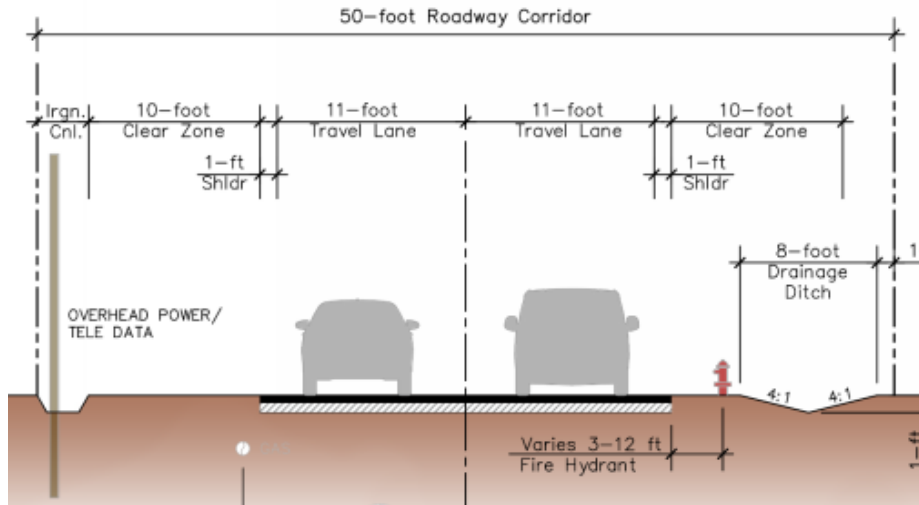


Figure 33. Rural Major Collector, 80-Foot Right-of-Way

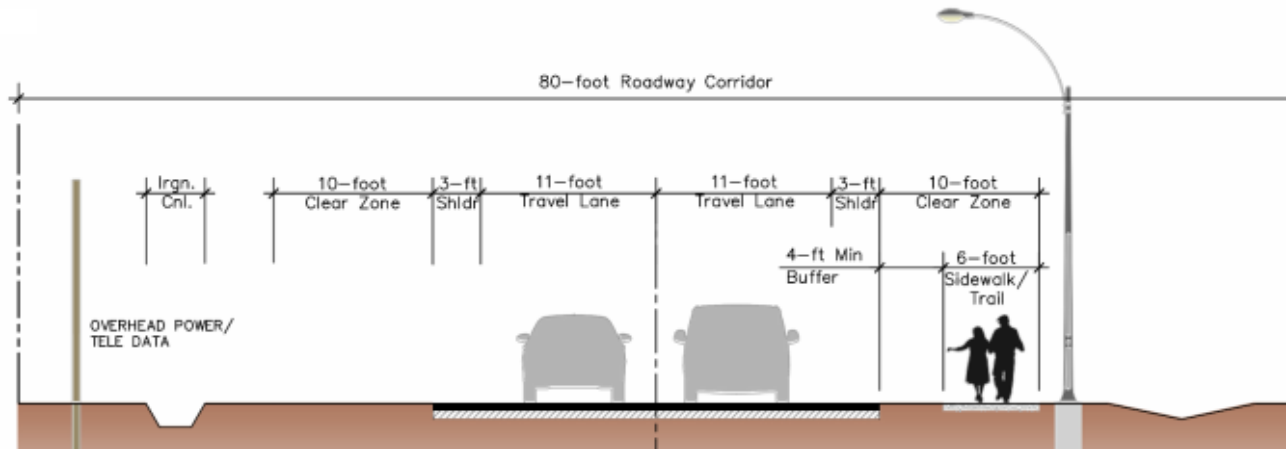


Figure 29. Urban Local Road- Residential Subdivision, 50-Foot Right-of-Way

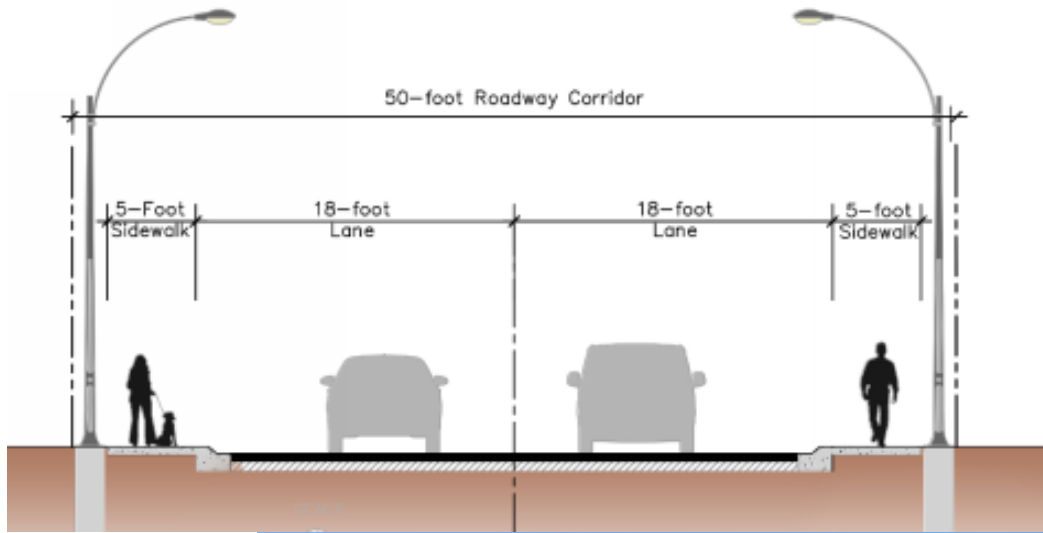
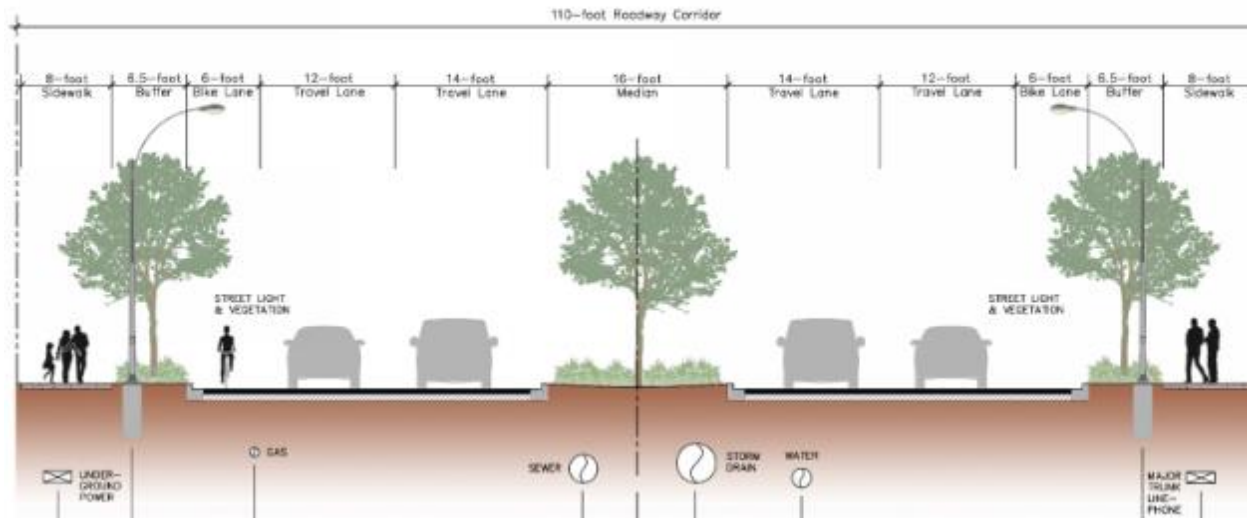


Figure 34. Urban Minor Arterial, 110 - Foot Right-of-Way




Design Criteria

| Street Section Name | Typical Criteria | Right-of-Way | Design Speed / Posted Speed (mph) | Average Daily Traffic (ADT) | Sidewalks | Street Lighting | Typical Lane Configuration | Landscaping |
|---|--|--------------|-----------------------------------|-----------------------------|--|-----------------|---|--|
| Local Roads | | | | | | | | |
| Rural Access Road | Less than quarter-section alignments <u>and</u> serving less than 12 homes at buildout | 30' | 25/25 | < 50 vehicles per day (vpd) | None | No | 2 – 9' travel lanes | None |
| Rural Local Road | Quarter-section alignments <u>or</u> serving greater than 12 homes | 50' | 35/25 | 50 to 750 vpd | None | No / TBD* | 2 – 11' travel lanes plus 1' paved shoulders | None |
| Urban Local Road – Residential Subdivision | Tribal residential subdivisions | 50' | 35/25 | 1,500 vpd maximum | 5' attached, both sides | Yes | 2 – 10' travel lanes plus 8' on-street parking | None |
| Urban Local Road – Commercial | Local roads within commercial corridor | 60' | 35/25 | 5,000 vpd maximum | 6' detached, both sides | Yes | 2 – 13' travel lanes | 6.5' minimum parkway strip between curb and sidewalk |
| Collector Roads | | | | | | | | |
| Rural Minor Collector | Mid-section alignments, may include section line alignments as noted on Fig 26 | 60-80' | 45/35 | 500 to 5,000 vpd | 6' detached one side at locations noted on Trail System (Fig 15) | No / TBD* | 2 – 11' travel lanes plus 3' paved shoulders | None |
| Urban Minor Collector | Collector roads within commercial corridor | 80' | 45/35 | 5,000 to 10,000 vpd | 6' detached, both sides | Yes | 14' center turn lane; 2 – 11' travel lanes plus 6' bike lanes | 6.5' minimum parkway strip between curb and sidewalk |

Proposed Routes

- Summary sheets prepared for 25 proposed routes
- Includes information required to add a proposed route to the National Tribal Transportation Facility Inventory

SRPMIC Proposed Road Project Information Sheet
Route 58, Section 10
Eastwood Lane, 92nd Street to Dobson Road

| | | | |
|--|--|--|------------------------------------|
| Project Name | Eastwood Lane | | |
| Project Location | 92 nd Street to Dobson Road | | |
| Project Length (miles) | 0.4 | | |
| Functional Classification | Major Collector | | |
| Roadway Ownership | SRPMIC | | |
| Current Land Use | Commercial mixed use | | |
| Land Ownership | Allotted land with undivided interest, public easement required, acquisition currently underway | Public Easement Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| LRTP Period | 2018-2022 <input type="checkbox"/> | 2023-2026 <input checked="" type="checkbox"/> | 2027-2040 <input type="checkbox"/> |
| Project Description, Justification (need), and Outcome | <p>Description: Design and construct new urban major collector roadway.</p> <p>Justification: Project necessary to provide access to proposed commercial development, which will provide economic benefits for the Community and landowners.</p> <p>Outcome: Improved access</p> | | |
| Environmental Impacts and Engineering/Construction Challenges | Project involves some washes. No significant environmental impacts or engineering and construction challenges are anticipated. | | |
| Construction Funding Source | Tribal | | |
| Cost | \$2,000,000 | | |
| Financial Justification | Midterm (2023-2026) priority project to be programmed in the TTIP at a later date. | | |
| Maintenance Responsibility | SRPMIC | | |
| Location Map |  | | |

Leadership

- Meet with Council
 - Work sessions during planning process, before Council action
 - Transportation Planning 101
 - Annual TTIP is an opportunity to present on project status





Questions or Comments:

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<https://www.srpmic-nsn.gov/government/public-works/transportation-planning/>