

# COUNTY ROAD 517

Improvements from  
State Highway 172 to Howe Drive

DECEMBER 16, 2015  
At Tribal Multipurpose Facility



# MULTIPLE FUNDING PARTNERS

DOLA (Energy Impact Grant)	\$1,000,000.00
Southern Ute Indian Tribe (SUIT)	
• Via Bureau of Indian Affairs (BIA) Funds	\$800,000.00
LA Plata County	\$275,000.00
Colorado Department of Transportation (CDOT)	\$250,000.00
<b>Total Project Budget</b>	<b>\$2,325,000.00</b>



Russell  
Planning &  
Engineering

# EXISTING CONDITIONS



- ▶ CR 517 is a two lane County Road (Rural in Character)
- ▶ Tribal Route with County Maintenance
- ▶ No Bike Lanes
- ▶ No Sidewalks
- ▶ Limited Crosswalks poorly developed
- ▶ Limited Culverts & Ditches
- ▶ No Signalization at State Highway 172/CR 517
- ▶ Pavement is old and distressed

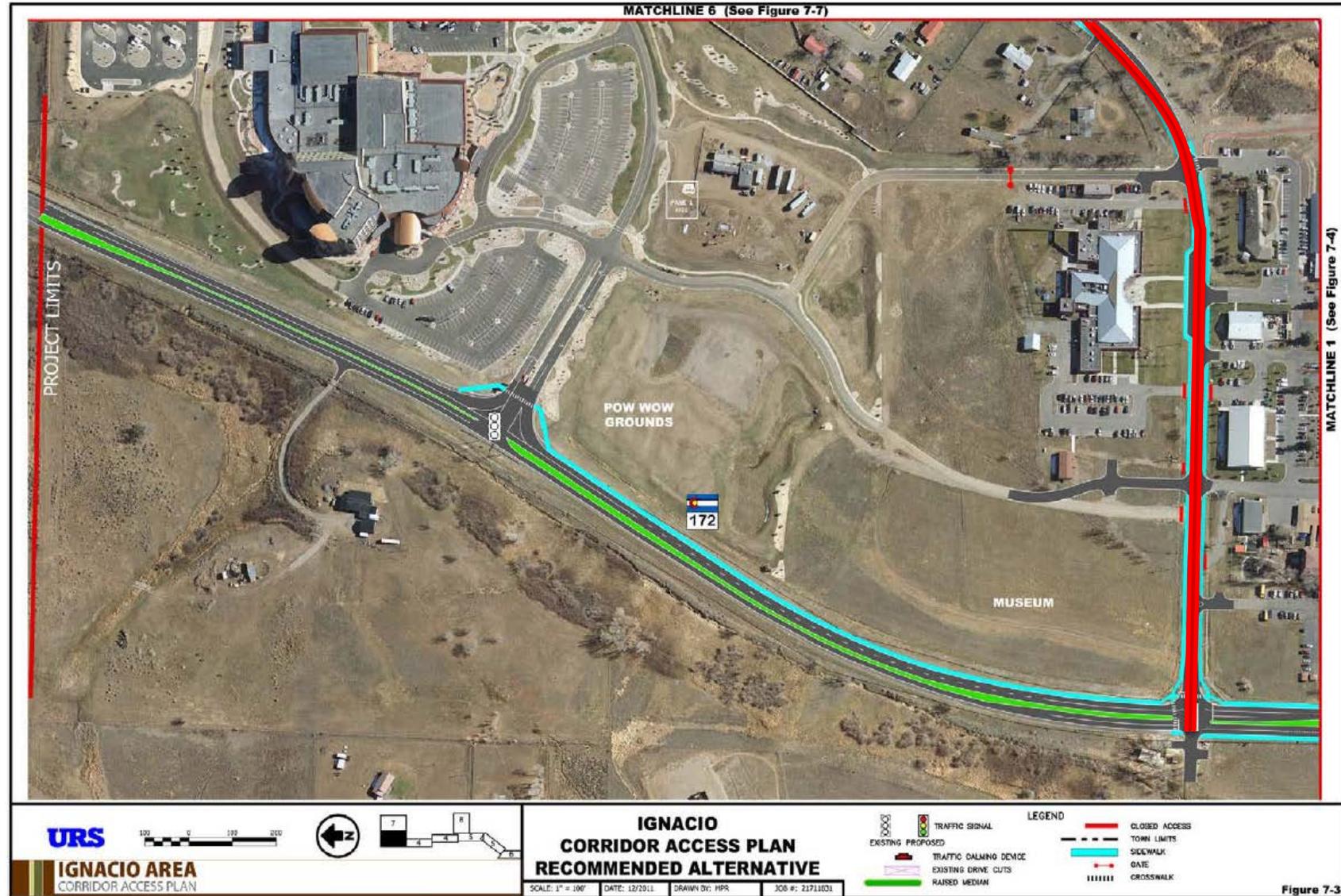
# PROJECT PURPOSE – WHY?

- ▶ IGNACIO AREA CORRIDOR ACCESS CONTROL PLAN - IACAP
  - ▶ Developed in 2011 between SUIT, Town of Ignacio, La Plata County and CDOT
- ▶ Signalize CR 517 and State Highway 172 Intersection
- ▶ Improve Public Safety along CR 517
- ▶ Eliminate Driveways along CR 517 (Per IACAP)
- ▶ Improve Traffic Flow with Two Way Left Turn Lane (TWLTL)
- ▶ Provide Pedestrian Access - Americans with Disabilities Act (ADA)
- ▶ Provide Bicycle Facilities

# IACAP - 2011

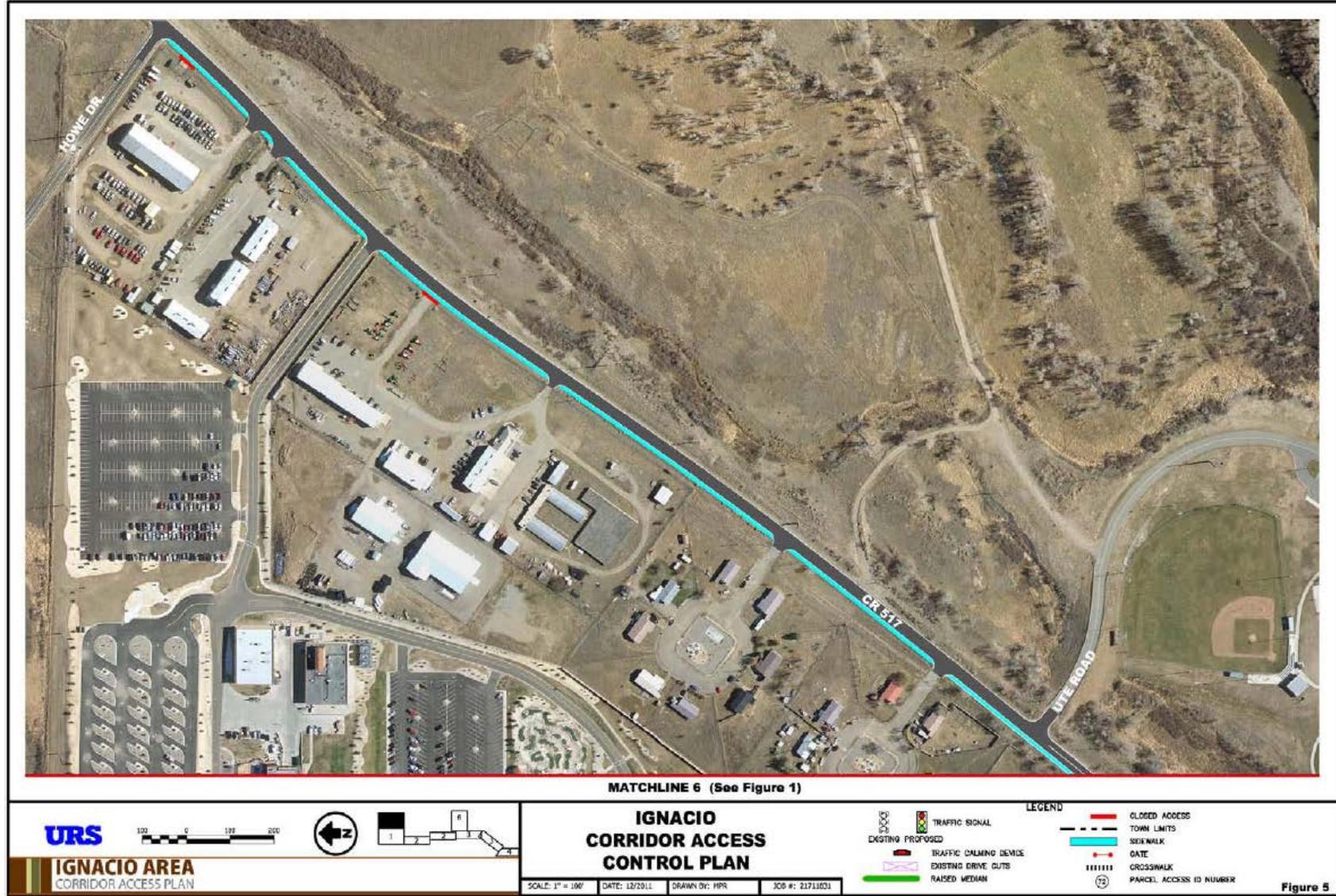
## APPROVED ALTERNATIVE

### PROJECT LOCATION



# IACAP - 2011

## APPROVED ALTERNATIVE



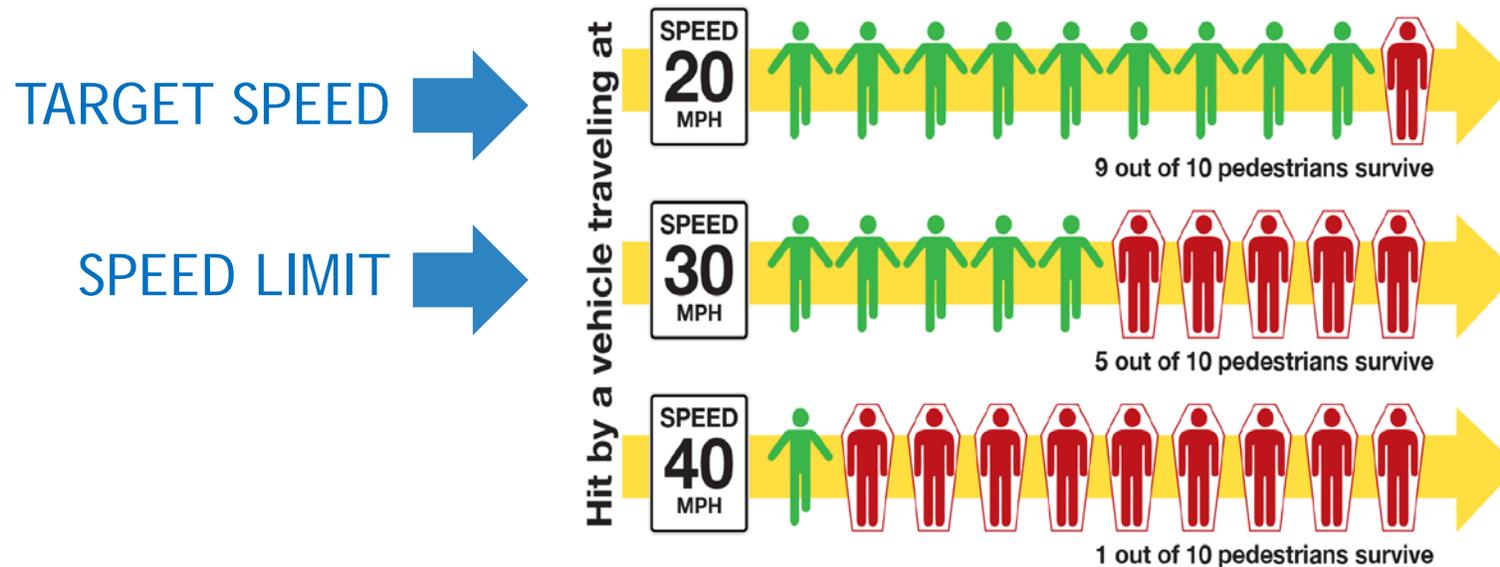
# PROJECT PURPOSE - WHY?

- ▶ Signalize CR 517 and SH 172 Intersection
- ▶ IACAP RECOMMENDED
- ▶ CORRIDOR PROGRESSION
- ▶ LEFT TURNS
- ▶ IMPROVES SAFETY



# PROJECT PURPOSE – WHY?

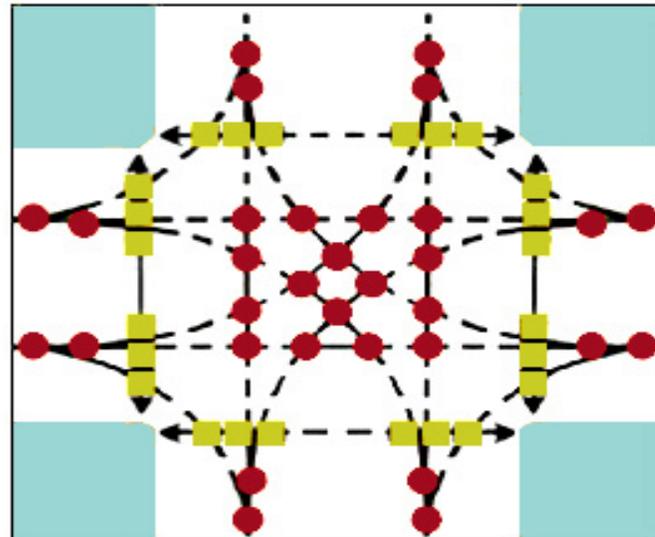
- ▶ Improve public safety In Corridor
  - ▶ Narrowed travel lane Width of 10.5- Feet
  - ▶ 5-Foot Concrete Bike Lanes Provides Users Safe Separation
  - ▶ Create Side Friction to Reduce Speeds Without Lowering Speed Limit
  - ▶ Lower Speeds Reduces Accident Severity for All Users



# PROJECT PURPOSE – WHY?

- ▶ Reduce the Number of unsafe Driveways along CR 517 (per IACAP)

## Intersection

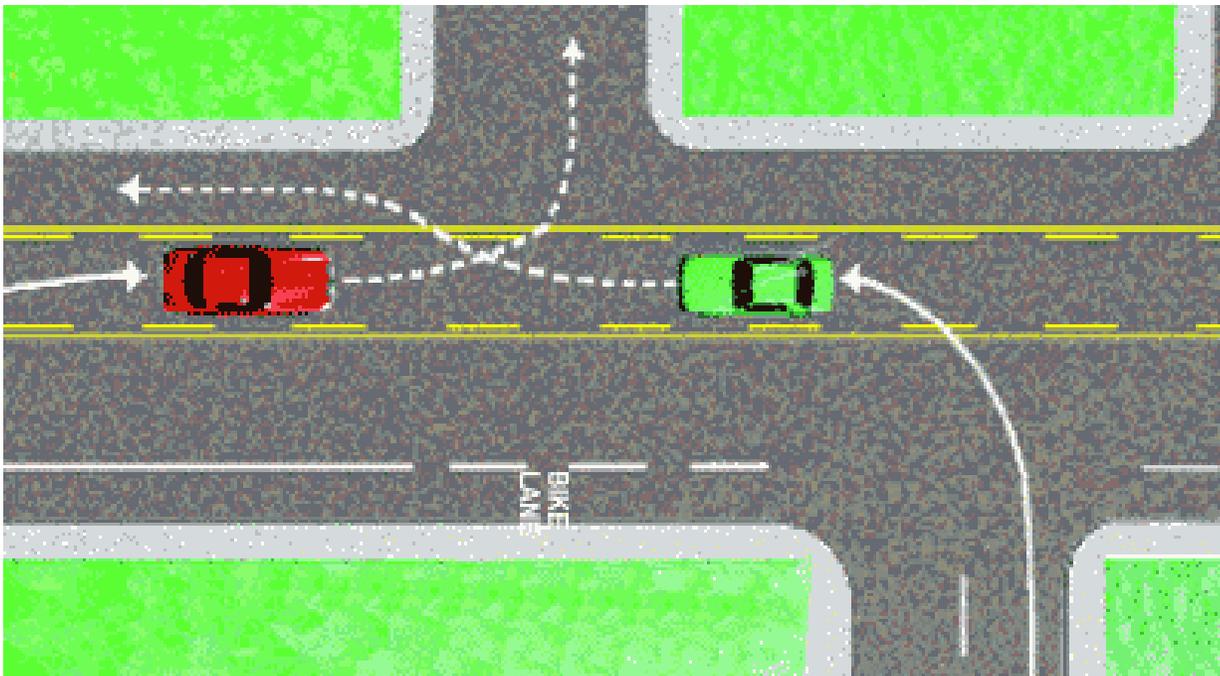


● 32 Vehicle conflicts

■ 24 Pedestrian conflicts

# PROJECT PURPOSE – WHY?

- ▶ Improve Traffic Flow With Two Way Left Turn Lane (TWLTL)
  - ▶ Center Turn Lane Provides Safe Refuge for Left Turning Vehicles Reducing Rear End Accidents
  - ▶ Thru Vehicles are not Impeded
  - ▶ Refuge for Left Turn Egressing if Needed



# PROJECT PURPOSE – WHY?

- ▶ Provide Pedestrian Access that Complies with ADA (Americans with Disabilities Act - 1990) Requirements



- ▶ Visual Impairments
- ▶ Improves Mobility and Supports Healthy Living
- ▶ Improves Safety for the Young and Elderly While Crossing the Street at Designated Locations

# PROJECT PURPOSE – WHY?

- ▶ Provide Bicycle Lanes
  - ▶ Provides an alternative to cars while connecting the Tribal Campus and surrounding Community



# PROJECT SCOPE

- ▶ Signalization of State Highway 172 and CR 517
- ▶ Full Reconstruction of Roadway, Curb Gutter, Sidewalk, Bike Lanes, and Drainage Improvements
- ▶ West of Mike Frost Way (AKA Emergency Access) Center Turn Lane (TWLTL Recommended)
- ▶ East of Mike Frost Way - Sidewalk Only on West Side of CR 517
  - ▶ Shared Use Path between Utility Road and Ute Road (East Side)

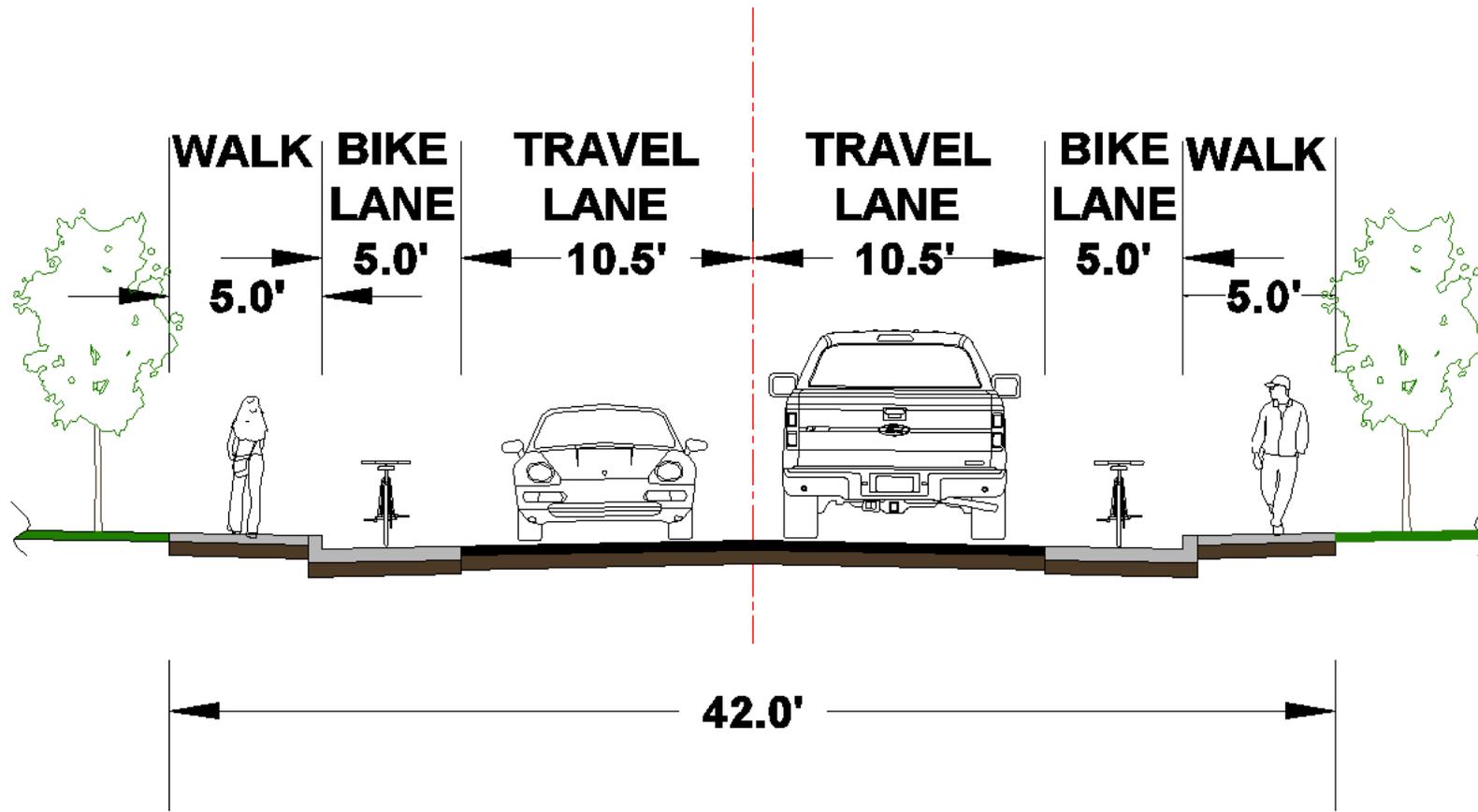
# SIGNALIZATION

- ▶ Signalize CR 517 and State Highway 172 Intersection
- ▶ Allows Vehicles to Safely Make a Left Turn Toward Town
- ▶ Reduces Delay and Traffic Stacking on CR 517
- ▶ Reduces Severity of Accidents
- ▶ Provide Safe Refuge for Pedestrians



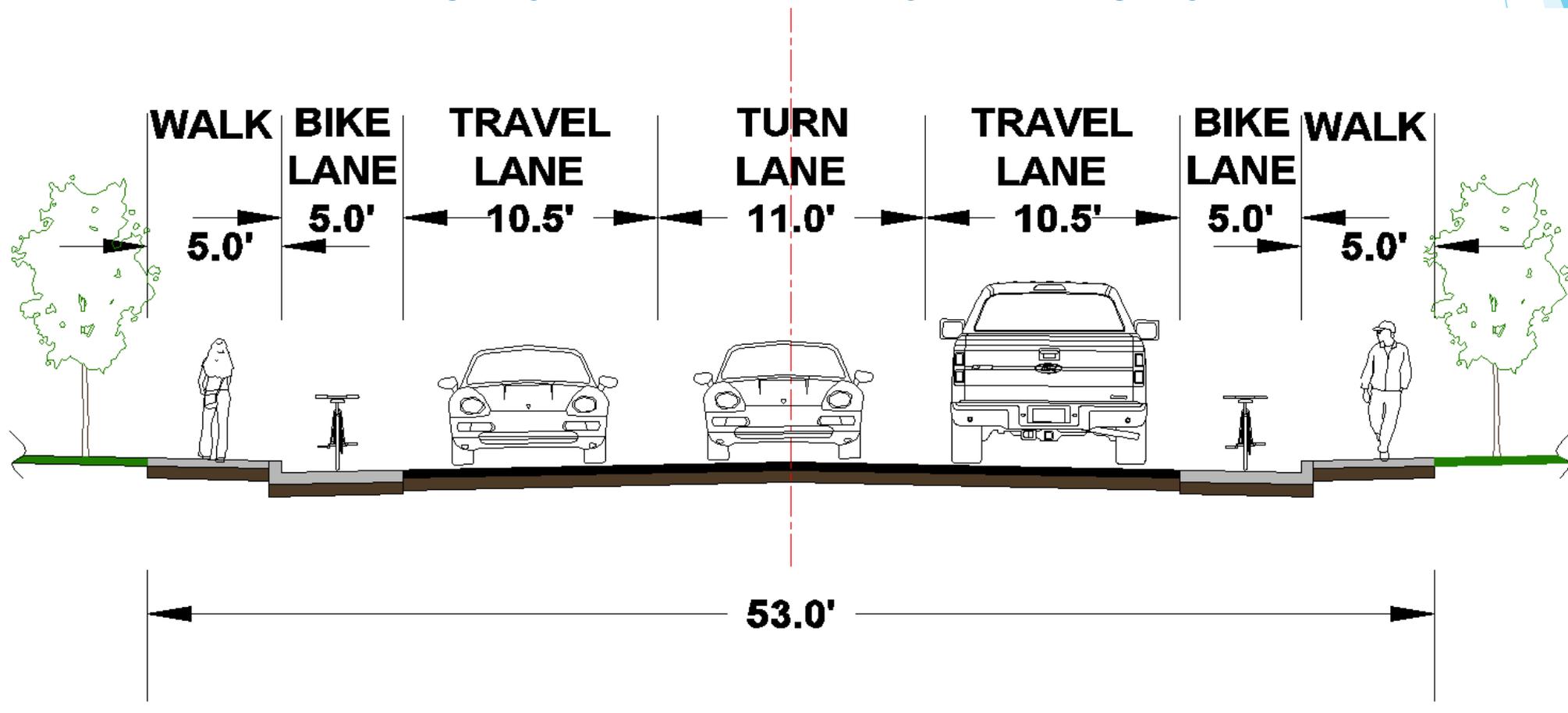
# ALTERNATIVE 1 - NOT RECOMMENDED (TWO LANE SECTION)

NO CENTER TURN LANE



# ALTERNATIVE 2 - RECOMMENDED (THREE LANE SECTION - TWLTL)

State Highway 172 to Mike Frost Way (AKA Emergency Access)



# CENTER TURN LANE (TWLTL)

State Highway 151 and Buck Highway



# CORRIDOR IMPROVEMENTS

## SOUTHWESTERN PORTION (Tribal Campus)

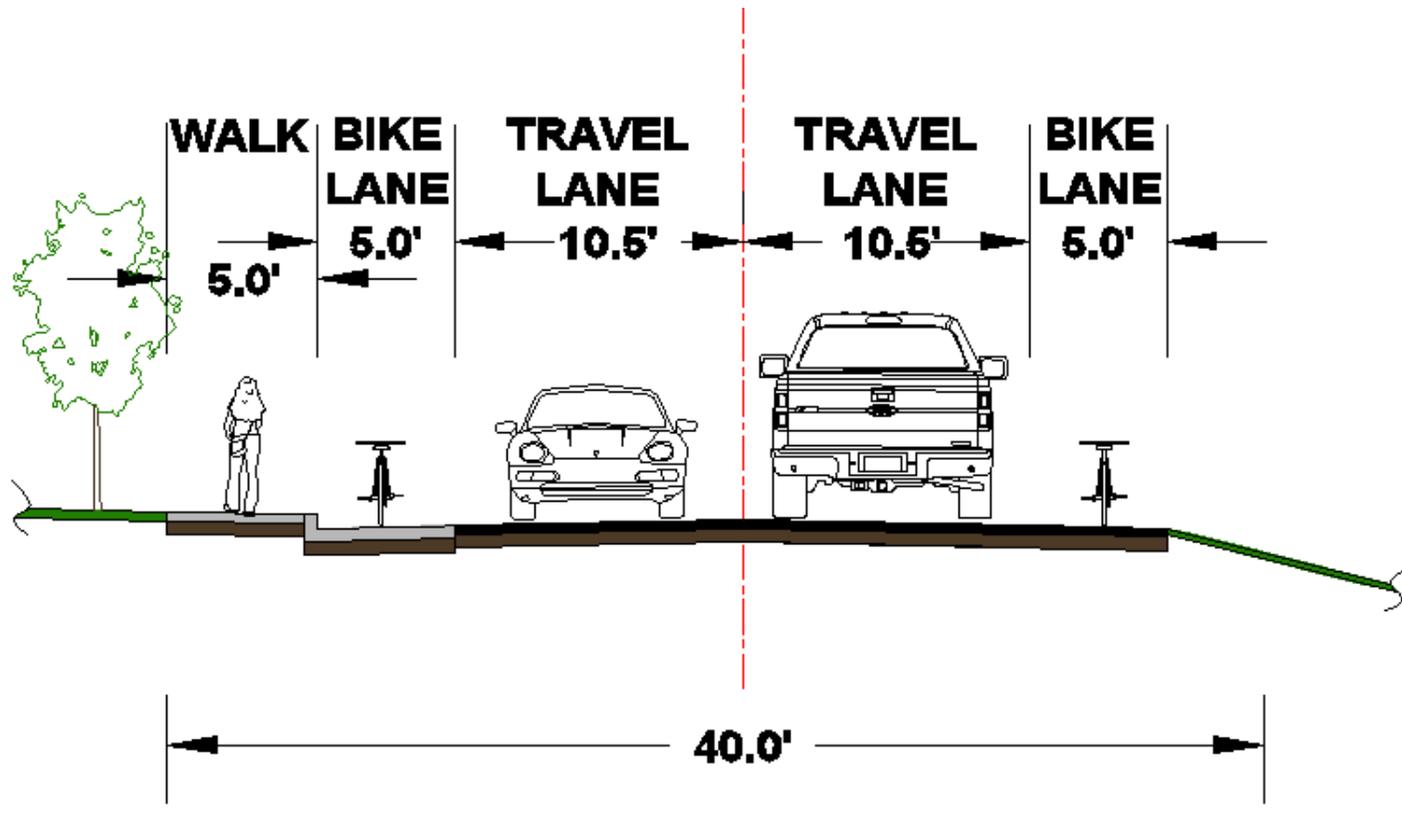
- ▶ Three Lane Section Is Proposed
- ▶ Parking at Tribal Justice Building Shifted to North
- ▶ Attached Sidewalk within Corridor
- ▶ Dedicated Crosswalks
- ▶ Define Access Points South Side at Mike Frost Way (AKA Emergency Access)
- ▶ Provide Storm Drain System with Lateral on South Side of CR 517



# CROSS SECTION - RURAL AREA

ONE LANE IN EACH DIRECTION

East of Mike Frost Way (AKA Emergency Access)



# CORRIDOR IMPROVEMENTS

## CENTRAL PORTION (Piwood and Tamuche)

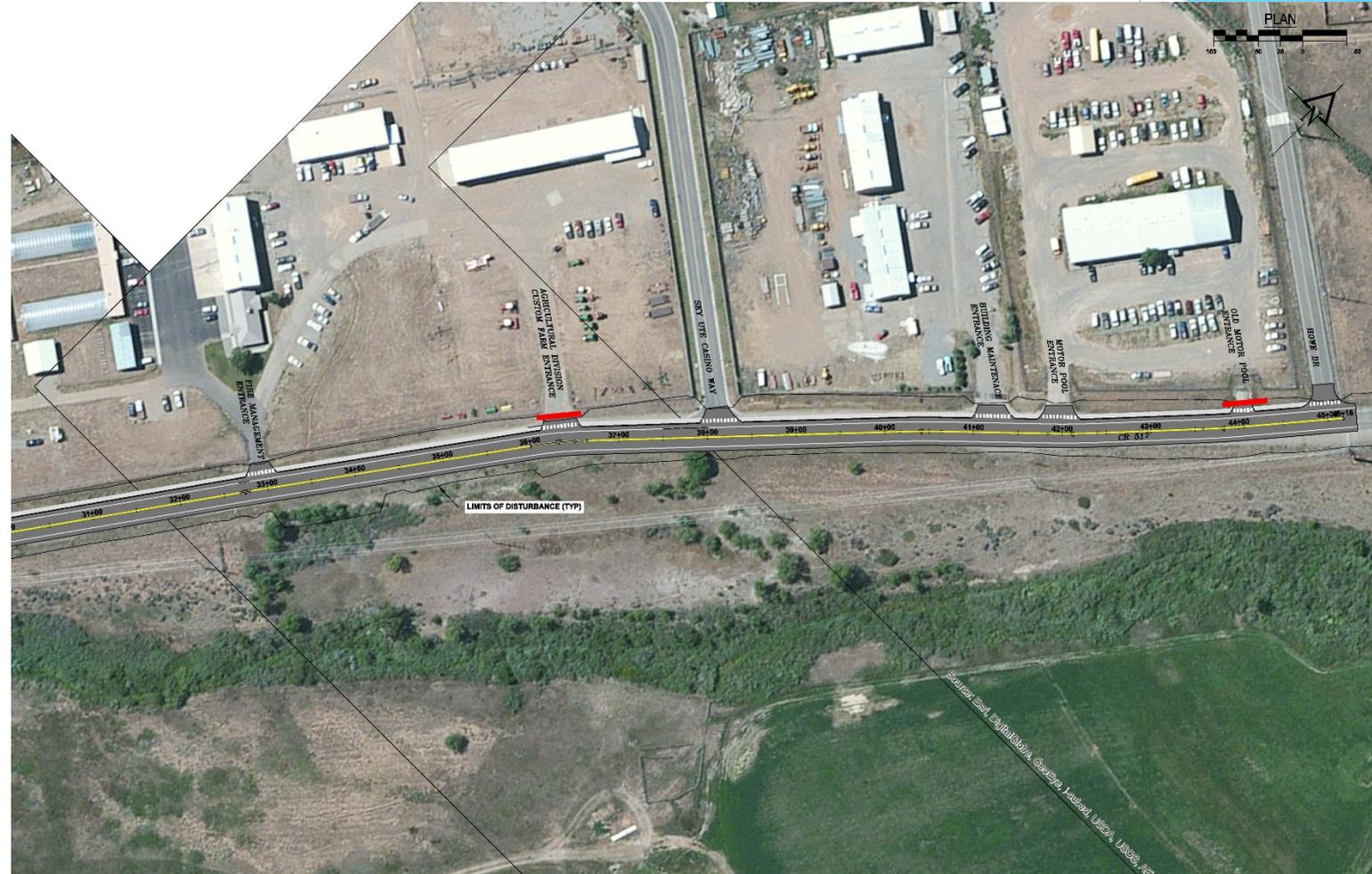
- ▶ Provide Shared Use Path on South Side From Mike Frost Way to Ute Road
- ▶ Attached sidewalk on North Side to Howe
- ▶ Limited Drainage Improvements with Uniform 2% Cross Slope
- ▶ Close Scott's Pond Road
- ▶ Maintain All other Existing Access Points



# CORRIDOR IMPROVEMENTS

## NORTHERN PORTION (Howe Drive)

- ▶ Close Two (2) Access Points
- ▶ Dedicated Crosswalk at Howe Drive
- ▶ Attached sidewalk on North side
- ▶ Limited Drainage Improvements



# CONSTRUCTION ACTIVITY

## COORDINATION AND PHASING

- ▶ Close Coordination with Tribal Facilities (Do you need conduit installed for future infrastructure, or have other special considerations?)
- ▶ Phasing Plan to Localize Construction Activities
- ▶ Work Schedule will be in Public Media and Websites
- ▶ Hotline (# TBD)
- ▶ Expect Minor Delays & One-Way Traffic from time to time
- ▶ Short Term Closures/Detours for Commercial/Governmental Buildings
- ▶ Emergency Vehicle and Residential Access Will be MAINTAINED at all times!
- ▶ Please give us your feedback!

# ANTICIPATED PROJECT TIMELINE (WHAT'S NEXT?)

- ▶ Design - Fall 2015/Winter 2016
- ▶ 2<sup>nd</sup> Public Meeting - Mid March (TBD)
- ▶ Advertisement for Construction- Spring 2016
- ▶ Construction - Summer/Fall 2016

# QUESTIONS?/COMMENTS?

- ▶ Please Write Them Down On Comment Sheet So We Can Track Them

## THANK YOU!