

A large, stylized graphic in the background featuring a yellow sun with rays and several green leaves of varying shades, all set against a white background.

# Burnt Store Road East-West Connector Study

## PROJECT INFORMATION

January 2024



CHARLOTTE COUNTY  
FLORIDA

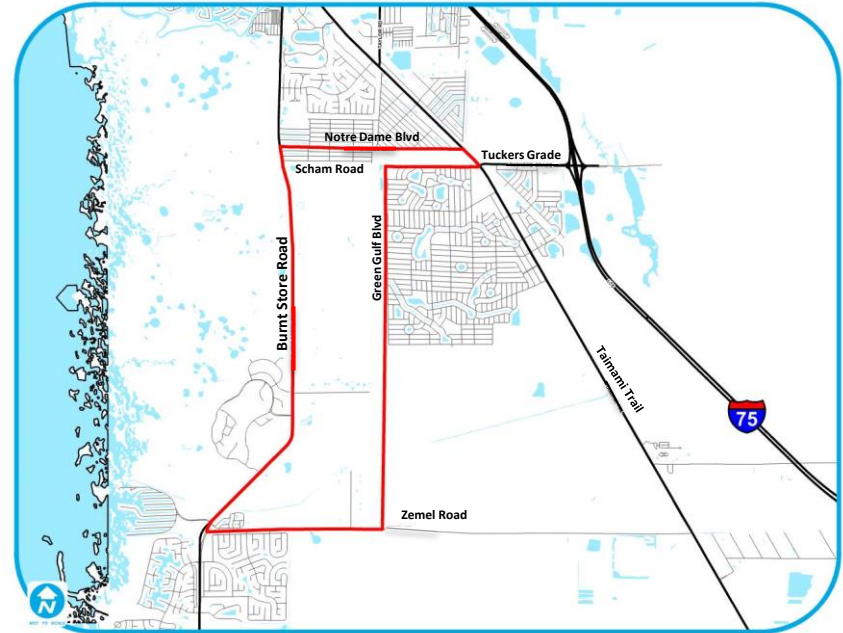
# Purpose and Objectives

Two objectives:

- I. Prepare Transportation Traffic Modeling Analysis to identify Future Capacity Needs
- II. Preliminary Engineering to establish a roadway alignment for an East-West corridor (Tuckers Grade Extension) between Burnt Store Road and U.S. 41

# Study Limits

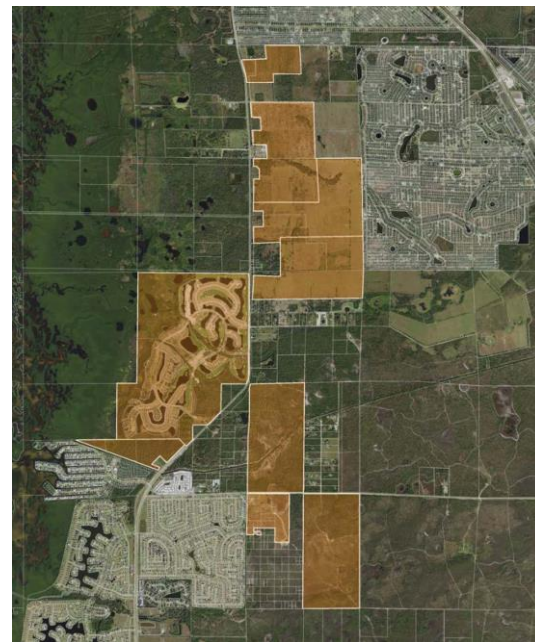
- North of Zemel Road
- East of Burnt Store Road
- South of Notre Dame Boulevard
- West of the US 41 and Green Gulf Boulevard intersection



# Purpose and Objectives

## I. Traffic Modeling:

- Consider the increase in developments
- Establish a future East-West connector between Burnt Store Road and U.S. 41
- Identify future roadway capacity needs for Burnt Store Road



CHARLOTTE COUNTY  
FLORIDA

# Purpose and Objectives

## II. Preliminary Engineering:

- Establish a preferred east-west roadway alignment to connect Burnt Store Road to US 41
- Alternative Alignments
- Typical Sections
- Right of Way
- Access Management
- Environmental / Stormwater Ponds
- Costs

# Future Capacity Needs

## East-West Connector

- Construct new 2-lane roadway in a 4-lane Right of Way within the year 2030 - 2035
- Widen from 2-lane roadway to 4-lane roadway by 2045



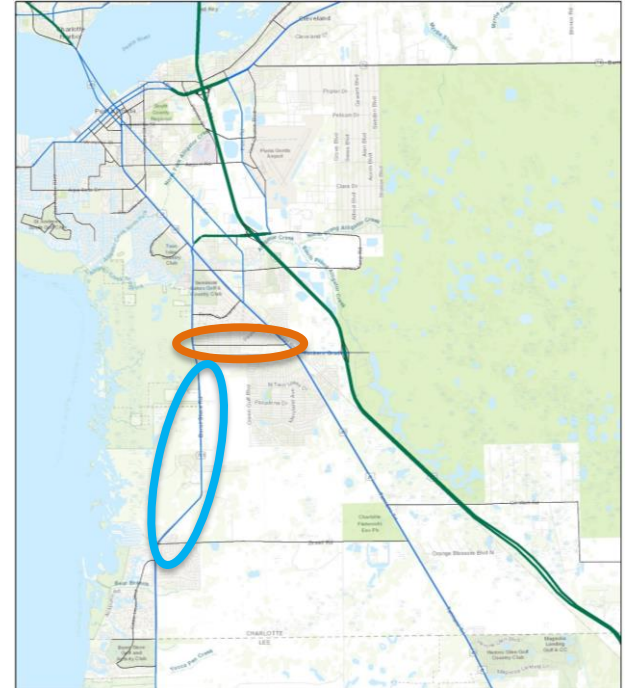
# Future Capacity Needs

## East-West Connector

- Construct new 2-lane roadway within year 2030 - 2035
- Widen from 2-lane roadway to 4-lane roadway by 2045

## Burnt Store Road

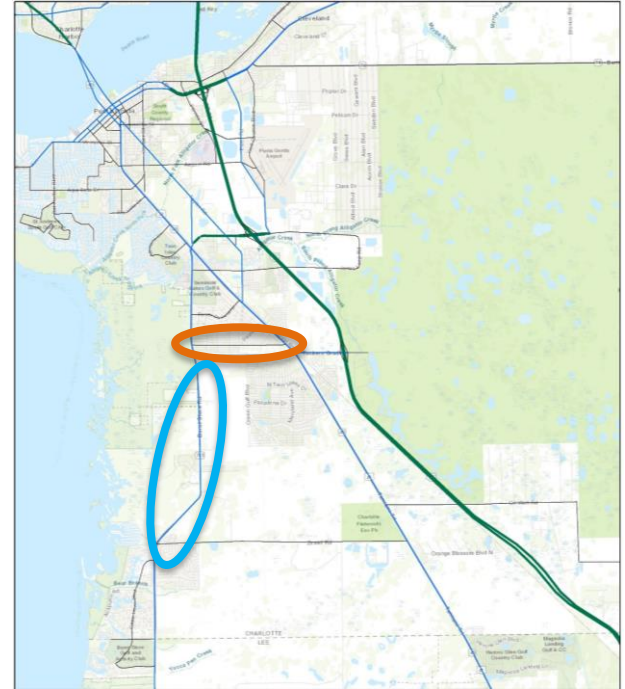
- Widen 4-lane roadway to 6-lane roadway within the year 2035 - 2045



# Future Capacity Needs

## Project Funding

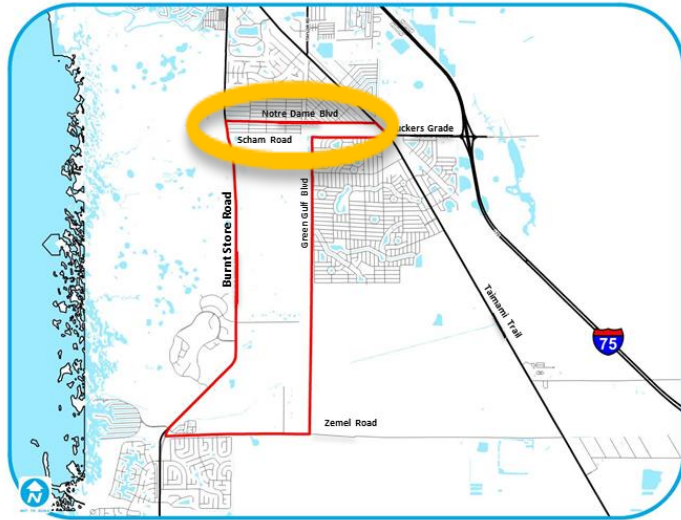
- Final Design: Unfunded
- Right-of-Way: Unfunded
- Construction: Unfunded





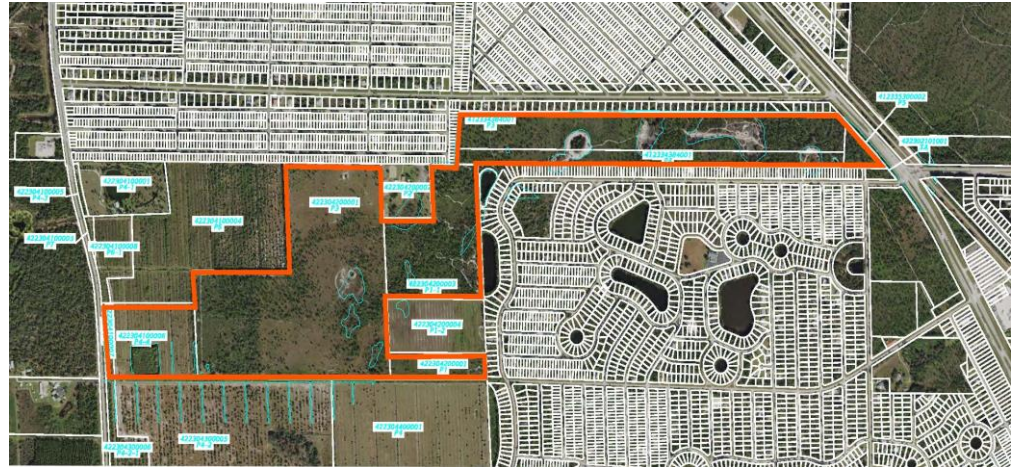
# Environmental Assessment

- Assessment of undeveloped parcels
- Limited number of parcels



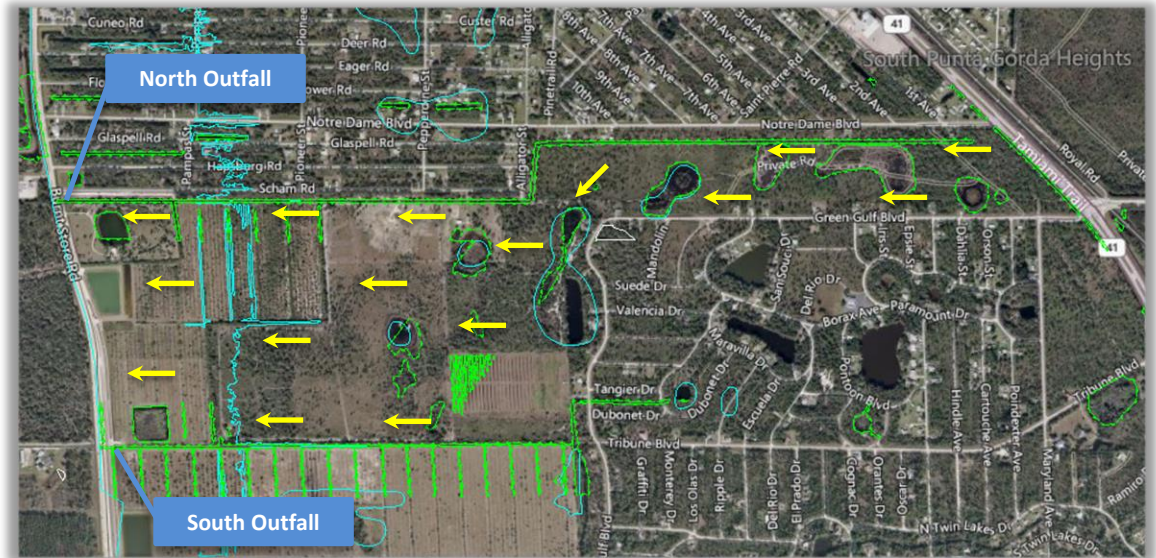
# Environmental Assessment

- Potential Habitat for Listed/  
Protected Species
  - Gopher Tortoise
  - Wood Stork
  - Eastern Indigo Snake
- Wetlands & Surface Waters
  - Herbaceous Freshwater System
  - Forested Freshwater System
- Mitigation Credits Available



# Drainage Assessment

- Existing Drainage Flow Patterns
  - East to West
- Wetlands, Surface Waters, and Floodplain (Zone AE)
  - Zone AE, Established Elevation from the FEMA 100-year storm event
- Outfalls to Charlotte Harbor
  - Cross drains under Burnt Store Road (north & south outfalls)



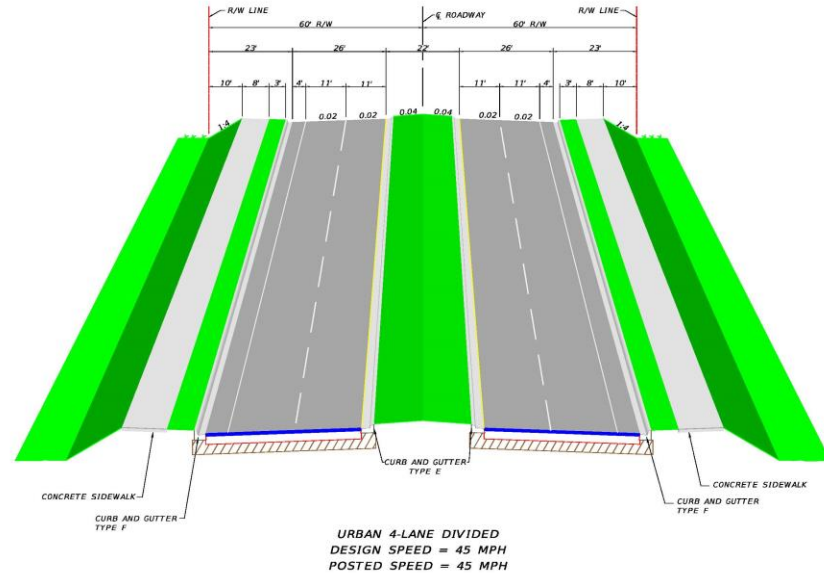
## LEGEND

- ← EXISTING DRAINAGE FLOW DIRECTION
- APPROXIMATE WETLAND OR SURFACE WATER BOUNDARY
- FLOODPLAIN BOUNDARY

# Proposed Roadway Typical Section

## 4-Lane Divided Urban

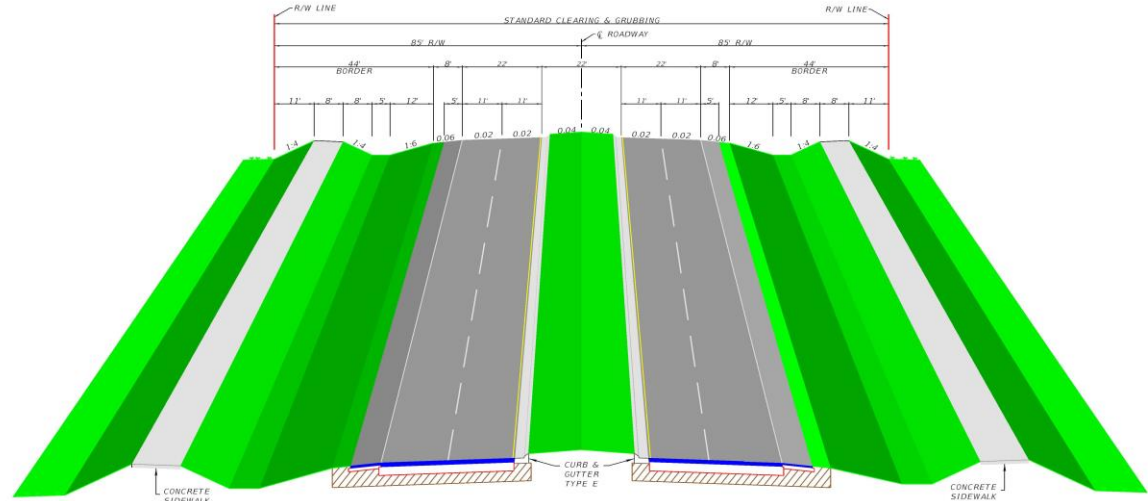
- Closed drainage system with Curb & Gutter
- Right-of-Way required 120ft
- Design Speed 45mph
- Posted Speed 45mph



# Proposed Roadway Typical Section

## 4-Lane Divided Suburban

- Open drainage system with swales
- Right-of-Way required 170 ft
- Design Speed 45mph
- Posted Speed 45mph



SUBURBAN 4-LANE DIVIDED  
(WITH OPEN DRAINAGE)  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 45 MPH

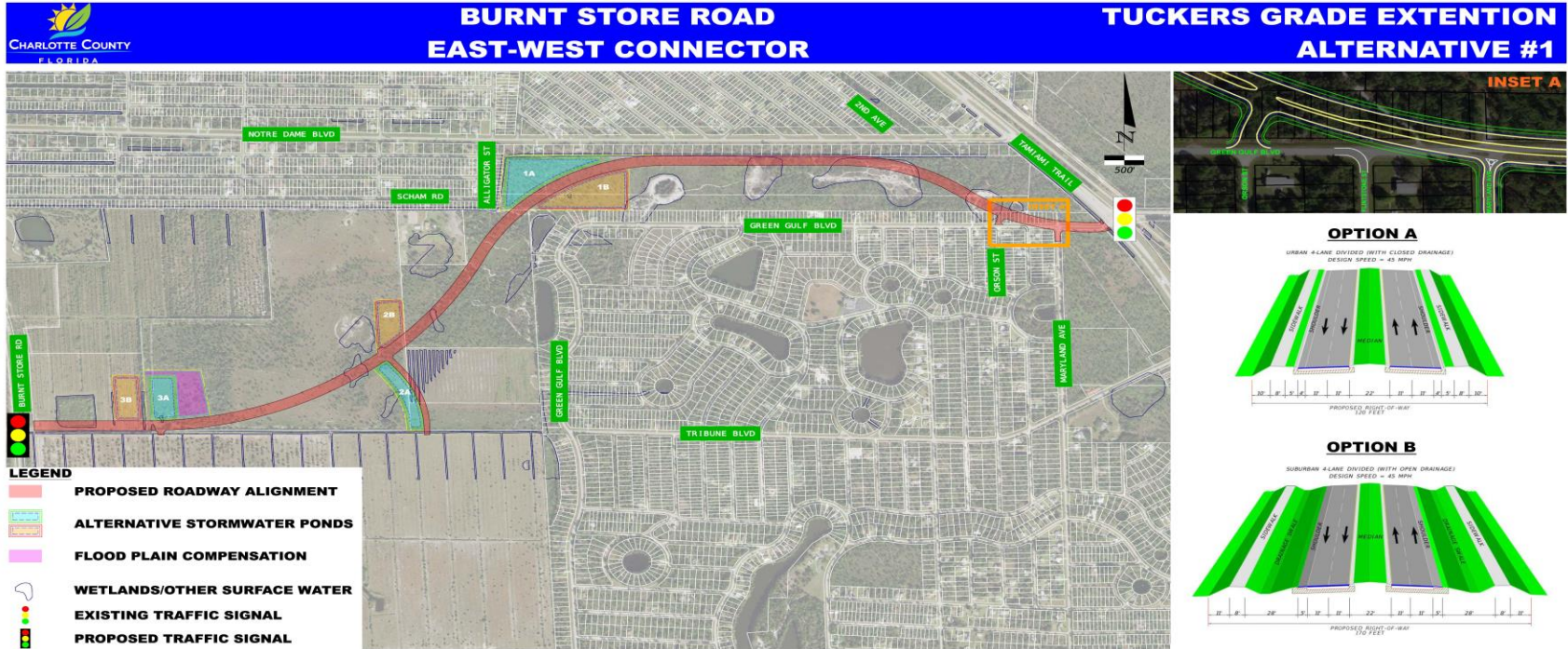
# Proposed Alternative Alignments



## LEGEND

-  Norte Dame Blvd. Corridor
-  Scham Rd. Corridor
-  Scham Rd. Corridor Extension
-  Tuckers Grade Extension
-  Tribune Blvd. Corridor Extension
-  Tribune Blvd. Corridor

# Alternative Alignment #1

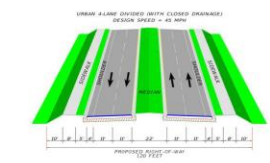
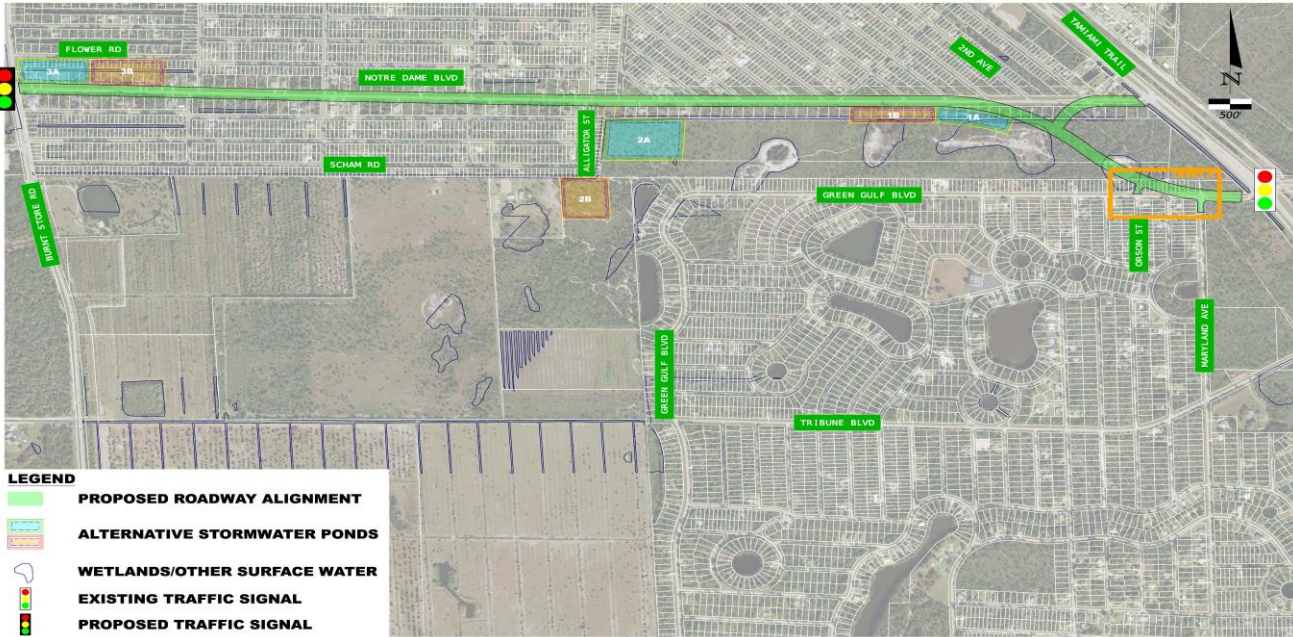


# Alternative Alignments #2



**BURNT STORE ROAD  
EAST-WEST CONNECTOR**

**NOTRE DAME BOULEVARD  
ALTERNATIVE #2**



- LEGEND**
- PROPOSED ROADWAY ALIGNMENT
  - ALTERNATIVE STORMWATER PONDS
  - WETLANDS/OTHER SURFACE WATER
  - EXISTING TRAFFIC SIGNAL
  - PROPOSED TRAFFIC SIGNAL





# Alternative Alignments #3

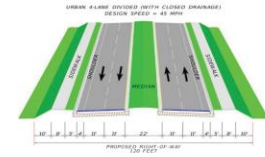


## BURNT STORE ROAD EAST-WEST CONNECTOR

## SCHAM ROAD ALTERNATIVE #3



# Alternative Alignments #4



# Implementation

**The timing and the pattern of developments will** dictate the schedule of the roadway improvements. The Traffic Modeling Analysis assumptions reflect the following:

- **Between the years 2030 – 2035** the extension of Tuckers Grade is needed and should be constructed as a 2-lane arterial roadway. Right-of-way should be acquired for a future 4-lane arterial.
- Developments east of Burnt Store Road and closest to the Tuckers Grade Extension should be encouraged to have access to both roadways for an efficient network and traffic distribution.
- **Beyond the year 2030 and after the construction of a 2-Lane Tuckers Grade Extension**, a six (6) lane Burnt Store Road should be considered.

# Implementation

- Year 2045 or sooner the widening of Burnt Store Road to a 6-lane facility will be needed.
- Year 2045 or sooner the widening of Tuckers Grade extension to a 4-lane divided roadway will be needed.
- Year 2045 or sooner Zemel Road volumes will approach the 2-lane roadway capacity