FOUR-HILLS
NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM

Public Meeting #3
March 1, 2022
INTRODUCTIONS

- Jonathon Kruse, PE, PTOE
  - Lee Engineering
- Paul Barricklow, PE, PTOE
  - Lee Engineering,
- Tim Brown, PE, PTOE
  - City of Albuquerque Traffic Engineering Manager
- Renee Grout
  - Albuquerque City Council District 9
- Rachel Miller
  - Policy Analyst, Councilor Grout’s Office
- Petra Morris
  - City Council Services
PRESENTATION OUTLINE

• Review of Study Area and Previous Public Meeting
  • Speed Data
  • Stop Sign Compliance

• Presentation of Additional Study Area
  • Traffic Volumes
  • Speed Data

• Presentation of Traffic Calming Options
  • Previously Presented Mitigations
    • Traffic Circles
    • Intersection Reconfiguration (Four Hills Rd & Stagecoach Rd / Stagecoach Rd & Four Hills Rd (Clubhouse))
  • New Mitigations
    • “Road Diet” on Four Hills Rd over the Arroyo
    • Roundabout at Four Hills Rd & Wenonah Ave

Questions and Comments: NTMP@cabq.gov
Steps & Procedure:

1. Residents or CABQ Staff identify potential NTMP candidate roads/neighborhoods
2. Data collection & evaluation
3. Public Input meeting #1
4. Evaluation and narrowing/ranking of calming alternatives
5. Public Input meeting #2
6. Recommendation for preferred alternative(s)
7. **Public Input meeting #3**
8. Consideration for implementation
Study Area 2
Takeaways:

- Most prevalent on Wagon Train Drive and Stagecoach Road
85th Percentile Speeds and Volume Data

**Speed Limit:** 40 MPH

**Takeaways:**
- **85th Percentile Speed:**
  - NB 60.5 MPH
  - SB 50.3 MPH
SELECTED TRAFFIC CALMING DEVICES & MITIGATIONS

• Previously Presented Mitigations
  • Traffic Circles
  • Intersection Reconfigurations
    • Four Hills Rd & Stagecoach Rd
    • Stagecoach Rd & Four Hills Rd (Clubhouse)
  • Speed Cushions & Speed Kidneys

• New Mitigations
  • Road Diet on Four Hills Rd (Central Ave to Stagecoach Road)
  • Roundabout at Four Hills Rd & Wenonah Ave
TRAFFIC CIRCLE

Description

- Traffic circles are raised islands, placed in intersections, around which traffic circulates. Yield signs or stop signs can be used as traffic controls at the approaches of the traffic circle.

Advantages

- Effective at slowing travel speed
- Improves safety
- Provides increased access to main street from side street

Disadvantages

- Slows emergency vehicles and can be difficult for large vehicles to circumnavigate
- May eliminate some on-street parking
- May require modifications to curb, gutter, and sidewalks
PRACTICAL APPLICATION: TRAFFIC CIRCLES

Lema Rd & Mesa Rd

Browning St & Ranchitos Rd
Locations (Traffic Circle)

- Via Posada St and Wagon Train Dr
- Cuatro Cerros Trail and Wagon Train Dr
- Stagecoach Rd and Stagecoach Rd

STOP SIGN COMPLIANCE

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ROUNDABOUT

Description

- Roundabouts require traffic to circulate counterclockwise around a center island. Unlike traffic circles, roundabouts are used on higher volume streets to allocate right-of-way among competing movements.

Advantages

- Enhanced safety compared to traffic signals or stop signs
- Minimize queuing at approaches
- Less expensive to operate than traffic signals
- Generally, aesthetically pleasing if well landscaped

Disadvantages

- May be difficult for large vehicles to circumnavigate
- Must be designed so that the circulating lane does not encroach on the crosswalks
- May reduce on-street parking

Landscaping must be maintained by the residents or by the municipality
ILLUSTRATIVE DESIGN: ROUNDBOOUTS

Pros
• Reduces Speeds
• Doesn’t Impede EMS
• Minimal Impact to Surrounding Houses

Cons
• Costly
• Construction Impacts
• May Remove Some On-Street Parking
ILLUSTRATIVE DESIGN: INTERSECTION RE-ALIGNMENT

Pros
• Forces Traffic to Slow or Stop
• Doesn’t Impede EMS

Cons
• Costly
• Construction Impacts
• Impacts to Houses
JUST TO BE CLEAR...
**SPEED KIDNEY**

**Description**

- Speed Kidneys are an arrangement of three speed lumps elongated with a curvilinear shape in the direction of traffic. The main speed lumps of the speed kidney are placed in the travel lane, while a complimentary speed lump is placed between the lanes.

**Advantages**

- Decreases vehicle speeds
- Discourages cut through traffic
- Inexpensive and easy to construct

**Disadvantages**

- May cause speeding beyond the speed kidney
- May divert traffic to an adjacent neighborhood street
- May increase noise levels as vehicles decelerate and accelerate
SPEED KIDNEY
SPEED CUSHION

Description
• Raised area on a road, which does not cover the entire width of the road.

Advantages
• Effective at reducing speeds
• Does not present disadvantages for emergency vehicles

Disadvantages
• Not effective in reducing speeds with motorcycles
• Increased noise form decelerating and accelerating
• Could increase cut-through traffic on other roadways
ILLUSTRATIVE DESIGN: ROAD DIET
NEXT STEPS AND OTHER INFORMATION

1. Presentation slides posted to cabq.gov/traffic

2. Email any questions comments & concerns to:
   1. NTMP@cabq.gov
   2. rrmiller@cabq.gov
   3. pmorris@cabq.gov

3. Deadline for questions and comment: March 15, 2022
PUBLIC INPUT

QUESTIONS?

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