Temporary Traffic Calming Plan
36th Street and Equestrian Trail
Knox Road to Elliot-Warner Road

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Safety & Neighborhood Traffic
Neighborhood Streets

Arterial Street

Collector Street

Local Street

Greater Neighborhood
Typical Traffic Conditions

Traffic Volume

- 4322 ADT
- 4768 ADT
- 6281 ADT
Typical Traffic Conditions
Traffic Speed – Directional Averages

- 42 MPH
- 27 MPH
- 29 MPH
- 27 MPH
- 26 MPH
- 22 MPH
Typical Traffic Conditions
Traffic Speed – Percentage Over 35 mph

- **6%**
  - 286 vpd
  - 1945 vpd

- **8%**
  - 502 vpd

- **45%**
  - 1945 vpd
Typical Traffic Conditions
Traffic Crash History 2005-2007

01/07/06 11:04 pm
1 Vehicle (Curb)
Speed Too Fast

10/09/06 12:25 pm
U-Turn
Made Improper Turn

10/20/06 7:53 am
Rear End
Speed Too Fast

12/17/06 3:27 am
1 Vehicle (Fence)
Speed Too Fast

05/08/07 10:18 pm
1 Vehicle
Speed Too Fast
Drinking

08/14/07 9:17 am
Rear End
Speed Too Fast

04/17/08 6:11 pm
Sideswipe
Speed Too Fast
Typical Traffic Conditions
Summary

- 36th Street and Equestrian both...
  - are classified as COLLECTOR STREETS
    - Do not qualify for speed humps
  - have moderate traffic volume
  - have high amounts of speeding
  - have no documented crash patterns

Qualify for Collector Street Mitigation
Collector Street Mitigation Program

Resident driven program to install new striping, traffic circles or chicanes on neighborhood collector streets.

Devices intended to slow or discourage

Applies to COLLECTOR street intersections or segments.
Collector Streets – Why no speed humps?

Collector streets serve as primary emergency access into neighborhoods.

Speed humps…
- Increase emergency response time
- Potential damage to emergency equipment

Collector streets are also designed to carry storm run-off for neighborhoods.

Speed humps…
- Block or divert run-off
Traffic Mitigation Process

- Contact from Neighborhood
- Conduct traffic study
- Devise Traffic Control Plan
- Obtain Neighborhood Consensus
- Implement and Test Solutions
Collector Street Projects

36th Street to Equestrian Trail
Knox to Warner Elliot Loop

Equestrian & Appaloosa
Temporary Traffic Circle
Installation Approved

Equestrian & Kachina
Temporary Traffic Circle
Installation Proposed

36th St & Coconino
Temporary Traffic Circle
Installation Approved

36th St – Knox to Equestrian
Road Striping Plan Approved
Next Steps

- Temporary measures installed – June 2009
- Post-installation traffic observations
  Summer – August 2009
  School Year – September 2009
- Neighborhood Meeting – September 2009
- Permanent Petition – September 2009
Permanent Traffic Circle

What is required to make the circles permanent?

- Temporary circles must work (i.e. they must slow traffic)
- A super majority of the residents within the petition boundary must approve installation
If permanent traffic circles are approved, what will they look like?

- Each design is unique to the intersection and neighborhood but the city ensures that all permanent circles are:
  - Safe
  - Effective at slowing traffic and
  - Attractive
Permanent Traffic Circles
Location – 15th Ave and Townley Ave

Older Style Traffic Circle with Painted Splitter Islands

Center Island with Tree and Flowering Ground Cover
Permanent Traffic Circles
Location – Oak St and 12th St

Island with Young Tree and Flowering Ground Cover

Older Style Traffic Circle with Raised Splitter Island
Permanent Traffic Circles
Location – Virginia Ave and 8th Street

Older Style Traffic Circle with Contextual Landscaping

Mesquite Trees and Desert Grass
Permanent Traffic Circles
Location – Stanford Dr and 43rd St

Older Style Traffic Circle with Desert Landscaping

Splitter Island with Pedestrian Facilities
Permanent Traffic Circles
Location – Lafayette Blvd and Invergordon Rd

Older Style Traffic Circle with Mature Tree and Ground Cover

Additional Street Lighting
Permanent Traffic Circles
Location – Central Ave and Mountain View Rd

Older Style Traffic Circle with Large, Well Landscaped Splitter Island
Pedestrian Pass-through
Permanent Traffic Circles
Location – 15th Ave and El Caminito Dr

Modern Style Traffic Circle with Raised Truck Apron and Mature Landscaping

Bicycle Bi-pass Ramp
Questions

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