

SUMMARY REPORT OF
TRAFFIC CALMING REVIEW
ON
E. PHOENIX STREET AND S. MUD SPRINGS ROAD

The extension of Mud Springs Road from Granite Dells Road to Highway 260 has been part of Payson's transportation plan for several years. Last year it had become the No. 1 priority for street work. At that time there was a large amount of public concern about this road way extension. Some residents feared that if Mud Springs Road was connected to Highway 260, the Phoenix Street / Mud Springs Road corridor would become an unintentional bypass for traffic attempting to get between south Highway 87 and East Highway 260 without following the main highways.

In January, 2008, the Payson Town Council requested that the Surface Transportation Advisory Committee (STAC) review potential traffic calming measures that could be used in the Phoenix Street / Mud Springs Road corridor to reduce both vehicular speed and volume. The STAC review was to include additional public input. Mr. Tom Loeffler, chairman of the STAC, proposed to the Council that at least two public meetings would be necessary.

The initial discussions were held by the STAC at their February meeting. Then, the first meeting for public input was held on February 19, 2008 at Frontier Elementary School. This meeting was well attended by residents along the corridor. Input was received on each segment of the corridor concerning issues and potential solutions. A copy of the synopsis of this meeting is attached. There were also several neighborhood and homeowner association meetings held over the next several weeks where a member of the STAC was present to receive input on the traffic calming measures.

With the public input from the February 19th meeting and the other neighborhood meetings, the STAC and Town Staff compiled a number of traffic calming measures that could be used to control both excessive speed and volume. These traffic calming options were massaged over the next few months and evolved into a list of 22 different possibilities. The final list was a 3 tiered approach. It was intended that the first tier would be implemented when the Mud Springs Road extension was connected to Highway 260. The second tier was to be implemented if there were still speed and volume concerns after tier one was in place. The third tier was to be implemented if there were still speed and volume concerns after tier two was in place. An estimated cost was also included with this list. A copy of the 22 options is attached (Traffic Calming Recommendations – Original Proposal).

A second public meeting was held as an Open House on November 12, 2008 in the Town Council Chambers. The results of the STAC study was presented to the public at this Open House. Additional comments were also received from those in attendance. Approximately 50 people attended this open house. A copy of the written input received at this November 12th meeting is also attached.

The STAC committee considered the input from this Open House to finalize its' recommendation to the Town Council. After reviewing the earlier 22 possibilities and the Open

JAN 08, 2009 D.3

House input, the list of potential traffic calming measures was modified to the list "Final Recommended Traffic Calming Measures", as attached. The STAC committee then unanimously approved a recommendation to the Town Council with the following motion:

I move to recommend to the Payson Town Council that when Mud Springs Road Phase 2 (Granite Dells Road to Highway 260) is constructed that an additional \$100,000 be included in the budget to be used for the Level 1 Traffic Calming items if they are found to be necessary after the new roadway is open to the public.

COMPILATION OF COMMENTS
RECEIVED FEBRUARY 19, 2008
AT
THE SPECIAL STAC MEETING
HELD AT
FRONTIER ELEMENTARY SCHOOL

Phoenix Street Between Highway 87 and Ash Street:

- Fix street with sidewalks but keep narrow
- No vertical deflections desired, but want small circle mid-way in this section
- Modify intersection at Beeline with signs – “No Thru Traffic”, “Local Traffic Only”, “No Right Turn Friday Thru Sunday”.
- No right turn from Highway 87 onto Phoenix controlled by a traffic island.

Phoenix Street Between Ash Street and 600 E. Phoenix Street (Approx. Elk Ridge Subdivision)

- Phoenix Street to be “One-Way” westbound between Ash Street and Highway 87
- Phoenix Street to be “One-Way” westbound between Sycamore Street and Highway 87 (depicted on photo)
- Right turn only from Phoenix Street onto Highway 87
- Raised crosswalks at each intersection
- No right turn from Highway 87 onto Phoenix
- “Blind Driveway” warnings at dog legs, Deer Born, Ash and Sierra Ancha and 604 E. Phoenix (Blind Hill)

Phoenix Street Between 600 E. Phoenix Street and 1010 E. Phoenix (Approx. Elk Ridge Subdivision to Cedar Lane)

- Traffic circles at Phoenix and Promontory, Phoenix and 901 Bubble, Phoenix and Milk Ranch Point
- “Local Traffic” signage – Highway 87 to roundabout
- “Weight Limit” signage – Highway 87 to roundabout
- Angle Points?
- “One Way”
- Open issue: Steep downhill
- Leave “Stop” signs at Phoenix and Mud Springs
- Remove 2 “Stop” signs on Mud Springs at Cedar Lane

Mud Springs Road between Phoenix Street and Frontier Street

- Install a sign pole at the northeast corner of Mud Springs and Frontier to warn if school is in session
- Volume is main concern
- Raised intersection at Mud Springs Road and Cedar Lane

- 14' wide speed humps on Mud Springs Road – one before school and one after the school
- Frontier and Mud Springs – Permanent speed indicators on school warning signs
- No traffic signal at Highway 87 and Phoenix Street
- Add sidewalk on Mud Springs between Cedar Lane and Frontier Street

Mud Springs Road between Frontier Street and Highway 87

- Speed tables (2)
- Raised crosswalks (2)
- Other improvements if speed exceeds 10 mph above the speed limit

South Mud Springs Road and East Phoenix Street
Traffic Calming
Summary of Written Comments Received from the Public Open House
November 12, 2008

Specific Traffic Calming Measure Comments

Item No. 1 - Stop Sign on Mud Springs at Highway 260

In favor of as long as a left or right turn is allowed onto Highway 260. (1)

Item No. 3 – Install Choker (Street Narrowing on Mud Springs Road)

In favor of this measure (1)

Item No. 4 - Raised crosswalk with embedded lights north of FES

Opposed. It will be too hard on school busses, UPS trucks, propane trucks, etc. (1)

Install electronic signs showing vehicle speeds at this location. (1)

In favor – this should be the No. 1 priority. (1)

Item No. 5 - Addition of Center Turn Island on Mud Springs Road at Frontier Street

Opposed to. It will make turning too difficult. (1)

In favor of this measure (1)

Item No. 6 – Removing the Stop signs on Phoenix Street at Cedar Lane

In favor of removing them now since it is \$0. (1)

Item No. 8 – Install Center Island on Phoenix Street at Mud Springs Road for eastbound traffic

In favor of this measure (1)

Item No. 9 – Alternate Parking from one side of the street to the other in Rim View Heights Area

Opposed to any parking on Phoenix Street (2)

Concerned about parking in front of their lot (1)

Does not want any parking on Phoenix Street east of Elk Ridge Drive (1)

Item No. 13 – Construct traffic circle at Phoenix Street and Elk Ridge Drive

Concerned that a traffic circle will not slow traffic adequately to protect all the children living in this area. (1)

Opposed because it will not help a vehicle pulling onto Phoenix Street from Elk Ridge Drive.
Requests a 4-way Stop instead. (1)

Concerned about the amount of additional right of way a traffic circle will require (Answer: Very little to none) (1)

Item No. 14 – Remove the Stop Signs on Phoenix Street at Ash Street

Concerned that additional traffic calming will not be adequate if the existing 3-way Stop is removed. (1)

In favor of removing them now since it is \$0. (1)

Item No. 15 – Install Street Narrowing on S. Mud Springs Road

Install electronic signs showing vehicle speeds at this location. (1)

This measure is badly needed (1)

Item No. 18 - Alternate Parking from one side of the street to the other in Elk Ridge Area

In favor of this measure between Sycamore and Elk Ridge subdivision. (1)

Opposed to this measure between Sycamore and Elk Ridge subdivision. (1)

Item No. 19 – Diverter Island at Phoenix Street and Ponderosa Street

Only use as a last resort (1)

Item No. 20 – Diverter Island at Phoenix Street and Sycamore Street

Only use as a last resort (1)

Item No. 21 – Install Choker (Street Narrowing on Phoenix Street)

Opposed to this measure because the street is narrow enough already. (1)

Item No. 22 - Island at Highway 87 and Phoenix Street prohibiting northbound right turns

Opposed to this measure. (1)

Move this measure to the top of the list. (1)

Install at this location and also one at Mud Springs and Hwy 260. (1)

General Comments

Recommends constructing Mud Springs Road Phase 2 and connect with Highway 260 and then if there really is a problem, address the traffic calming issues. (3)

Good job overall (3)

Hopes that some of these measures can be put in place prior to Mud Springs being extended to Highway 260 (3)

Make the improvements permanent and esthetically pleasing, No Delineators, Bots, or Dots. (3)

Construct sidewalks on one side of the road in the Rim View Heights subdivision (2)

Don't construct Mud Springs Road Phase 2 (2)

Also install a raised/illuminated crosswalk at the Mud Springs Road and Granite Dells Roundabout (2)

HURF Funds could be spent on something else more worthwhile than these traffic calming measures. (1)

Opposed to any funds spent on traffic calming measures in this section until Phoenix Street is upgraded between Highway 87 and Ash Street. (1)

Do not install speed bumps anywhere in the area. (1)

Completely Unacceptable (1)

Actively pursue a "By-Pass" around Payson with ADOT (1)

Construct a traffic circle on E. Phoenix Street just east of Highway 87 (1)

Home Owners Association in Rim View Heights may be willing to install and maintain landscaping in the islands installed for traffic calming. (1)

Comment that the road right of way is more valuable for development than a new road. (1)
(Note, the Town has owned the right of way since incorporation in 1973.)

Likes all of Level 1 measures. (1)

Prefers no traffic calming measures at all. (1)

TRAFFIC CALMING RECOMMENDATIONS
(ORIGINAL PROPOSAL)

No.	Traffic Calming Proposal	Cost
<u>LEVEL 1</u>		
1	Install STOP Sign at Mud Springs Road and Highway 260	\$150
2	Existing Roundabout at Granite Dells Road and Mud Springs Road	\$0
3	Street Narrowing - South 400 block of Mud Springs Road	\$11,500
4	Raised Crosswalk north of FES with embedded pavement lights	\$28,000
5	Existing 4-Way STOP to Remain at Mud Springs Road and Frontier Street - Add Center Islands on Mud Springs Road at Intersection	\$25,000
6	Existing 3-Way STOP at Mud Springs Road and Cedar Street to be removed	\$0
7	Existing 4-Way STOP at Mud Springs Road and Phoenix Street to remain	\$0
8	Construct a center island on Mud Springs Road at the west leg of the Mud Springs Road and Phoenix Street Intersection	\$18,000
9	Narrowed Traffic Lanes, Bike Lanes and Alternating Parking on Phoenix Street in the Rim View Heights Subdivision	\$49,000
10	Traffic Circle at Promontory Point and Phoenix Street	\$71,500
11	Expanded Drainage Crossing at 625 E. Phoenix Street - Acts as an inverted speed hump	\$8,500
12	Existing Valley Gutters at Phoenix Street and Mountain View Drive Currently acts as a traffic calming device	\$0
13	Traffic Circle at Elk Ridge Drive and Phoenix Street	\$71,500
14	Existing 3-Way STOP at Ash and Phoenix Street to be removed. Existing Narrow Pavement on Phoenix Street acts as a traffic calming device	\$0
	Total Level 1	\$283,150
<u>LEVEL 2</u>		
15	Street Narrowing (Choker) at 906 S. Mud Springs Road	\$11,500
16	Traffic Circle at Phoenix Street and Milk Ranch Point	\$71,500
17	Street Narrowing (Choker) at 605 E. Phoenix Street	\$11,500
18	Narrowed Traffic Lanes, Bike Lanes and Alternating Parking on Phoenix Street between Sycamore Street and the Elk Ridge Subdivision	\$33,000
	Total Level 2	\$127,500
<u>LEVEL 3</u>		
19	Diverter Island at Phoenix Street and Ponderosa Street requiring westbound traffic to turn north and southbound traffic to turn west	\$9,500
20	Diverter Island at Phoenix Street and Sycamore Street requiring eastbound traffic to turn north	\$9,500
21	Street Narrowing (Choker) at 217 E. Phoenix Street	\$11,500

22 Island on Phoenix Street at Highway 87 prohibiting any traffic from entering Phoenix Street from Highway 87

Total Level 3

\$6,500
\$37,000

FINAL RECOMMENDED
TRAFFIC CALMING MEASURES

No.	Traffic Calming Proposal	Cost
<u>LEVEL 1</u>		
1	Install STOP Sign at Mud Springs Road and Highway 260	\$150
2	Existing Roundabout at Granite Dells Road and Mud Springs Road	\$0
4	Raised Crosswalk north of FES with embedded pavement lights	\$28,000
5	Existing 4-Way STOP to Remain at Mud Springs Road and Frontier Street	\$0
6	Existing 3-Way STOP at Mud Springs Road and Cedar Street to be removed	\$0
7	Existing 4-Way STOP at Mud Springs Road and Phoenix Street to remain	\$0
8	Construct a center island on Mud Springs Road at the west leg of the Mud Springs Road and Phoenix Street Intersection	\$18,000
10A	Street Narrowing (Choker) at 1003-1004 E. Phoenix Street	\$11,500
11	Expanded Drainage Crossing at 625 E. Phoenix Street - Acts as an inverted speed hump	\$8,500
12	Existing Valley Gutters at Phoenix Street and Mountain View Drive Currently acts as a traffic calming device	\$0
13A	Street Narrowing (Choker) on Phoenix Street East and West of Elk Ridge Drive	\$23,000
14	Existing 3-Way STOP at Ash and Phoenix Street to be removed. Existing Narrow Pavement on Phoenix Street acts as a traffic calming device	\$0
Total Level 1		\$89,150
<u>LEVEL 2</u>		
3	Street Narrowing - South 400 block of Mud Springs Road	\$11,500
5	Existing 4-Way STOP to Remain at Mud Springs Road and Frontier Street - Add Center Islands on Mud Springs Road at Intersection	\$25,000
9	Narrowed Traffic Lanes, Bike Lanes and Alternating Parking on Phoenix Street in the Rim View Heights Subdivision	\$49,000
15	Street Narrowing (Choker) at 906 S. Mud Springs Road	\$11,500
17	Street Narrowing (Choker) at 605 E. Phoenix Street	\$11,500
Total Level 2		\$108,500
<u>LEVEL 3</u>		
10	Traffic Circle at Promontory Point and Phoenix Street	\$71,500
13	Traffic Circle at Elk Ridge Drive and Phoenix Street	\$71,500
16	Traffic Circle at Phoenix Street and Milk Ranch Point	\$71,500
18	Narrowed Traffic Lanes, Bike Lanes and Alternating Parking on Phoenix Street between Sycamore Street and the Elk Ridge Subdivision	\$33,000
19	Diverter Island at Phoenix Street and Ponderosa Street requiring westbound	

	traffic to turn north and southbound traffic to turn west	\$9,500
20	Diverter Island at Phoenix Street and Sycamore Street requiring eastbound traffic to turn north	\$9,500
21	Street Narrowing (Choker) at 217 E. Phoenix Street	\$11,500
22	Island on Phoenix Street at Highway 87 prohibiting any traffic from entering Phoenix Street from Highway 87	<u>\$6,500</u>
	Total Level 3	\$284,500