



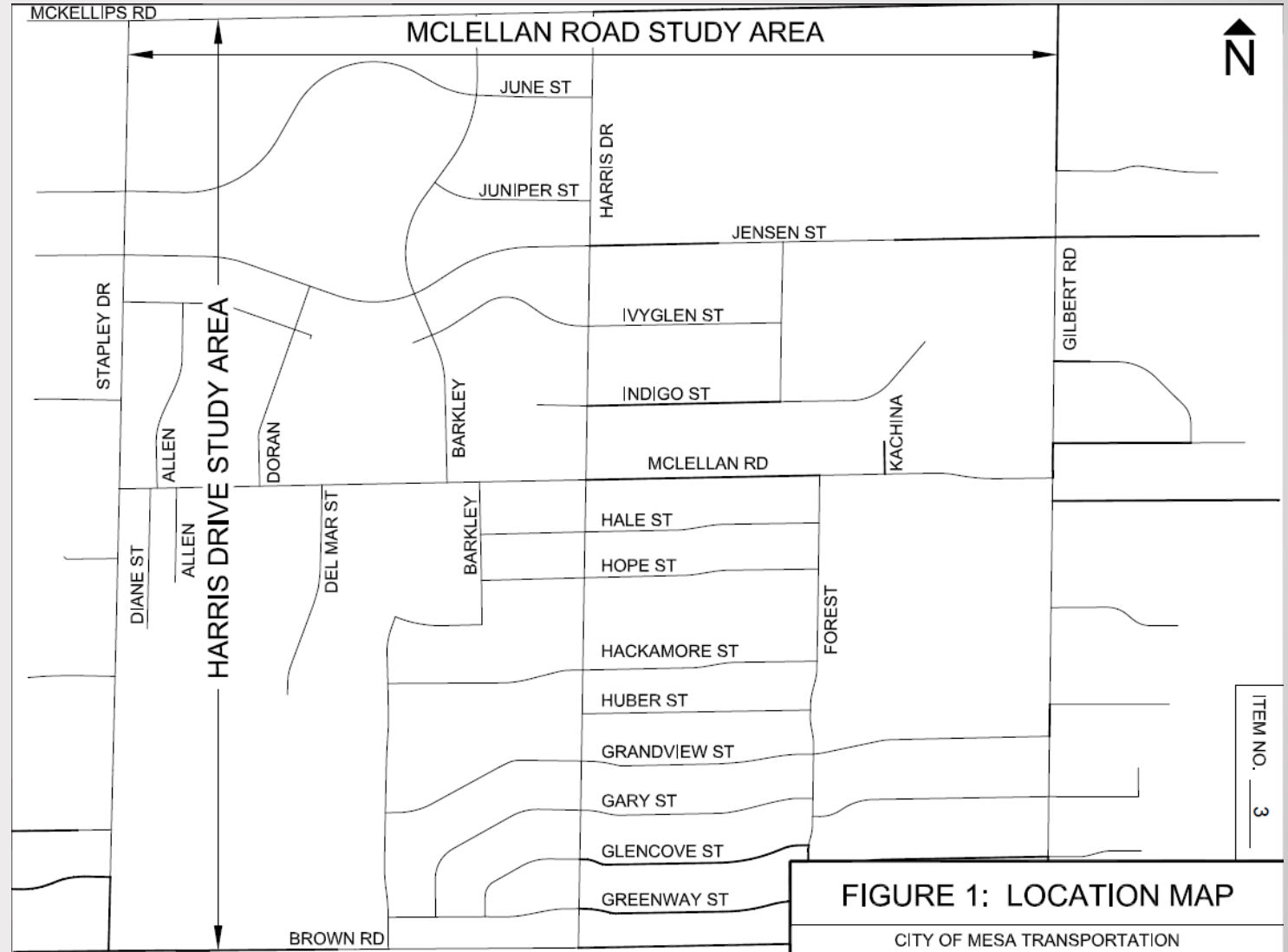
Candlelight Estates Community

McLellan Rd (Stapley Dr to Gilbert Rd) & Harris Dr (McKellips Rd to Brown Rd)
Study Results and Speed Cushion Installation



Agenda

- Past TAB Discussions
- McLellan Rd Overview
- Harris Dr Overview
- Study Results
- Options



Past TAB Discussions

May 17, 2016 TAB Meeting

- Staff recommendation to reduce the speed limit from 30 mph to 25 mph on McLellan Rd from Stapley Dr to Gilbert Rd.
- Staff recommendation to approve the installation of speed cushions on McLellan Rd between Harris Dr and Gilbert Rd.
- TAB approved speed limit reduction.
- TAB tabled speed cushion installation and requested to collect speed data three months after speed limit change.

TRANSPORTATION ADVISORY BOARD AGENDA

Lower Level Council Chambers – 57 East First Street
Tuesday, May 17, 2016
5:30 P.M.

Transportation Advisory Board:

Bruce Hallsted (Chairperson)	Jennifer Love	Vern Mathern
Troy Peterson (Vice Chairperson)	Ian Murray	Louis Stephen
Kay Henry	Michael Schmidt	Michael Book
Ron Wilson	David Camp	

Citizen Participation

All citizens are permitted and encouraged to speak on agenda items. If you wish to speak to the Board on any item on the agenda, please fill out a "Notice" slip with your name and the Item Number about which you wish to speak. Hand this to a staff person or take it to the front table. The Chairperson will call upon you in turn.

1. Approval of the minutes of the Transportation Advisory Board meeting held on February 16, 2016. **(Approved)**
2. Acknowledge incoming Board Member Michael Book. **(Acknowledged)**
3. Items from citizens present. **(Two citizens were heard. Robert Allen, a Mesa resident, and Ward Condit, a Mesa resident.)**
4. Discuss and take action on staff recommendation to approve the installation of speed cushions on Sunnyvale between Broadway Road and Delta Avenue (Council District 2). **(Approved – Board voted 9-0, Board Members Murray and Peterson absent)**
5. Discuss and take action on staff recommendation to approve the installation of speed cushions on McLellan Road between Harris Drive and Gilbert Road (Council District 1). **(Recommendation was tabled.)**
6. Discuss and take action on staff recommendation to reduce the speed limit from 30 mph to 25 mph on McLellan Road from Stapley Drive to Gilbert Road (Council District 1). **(**Approved – Board voted 9-0, Board Members Murray and Peterson absent)**
****The Transportation Advisory Board is an advisory board with final approval residing with City Council for this action.**

McLellan Rd Overview

(Between Stapley Dr & Gilbert Rd)

- 48-foot wide collector street
- Within residential neighborhood
 - Direct Driveway access for a number of homes
- Fronted by MacArthur Elementary
 - Two 15 mph school zones & crosswalks
- Many students walking & biking



McLellan Rd East of MacArthur Elementary – Looking West

McLellan Rd Before Any Changes



- Double yellow centerline dividing the road into two 24-foot wide sections
- Posted speed limit 30 mph

2016 McLellan Rd Changes



April 6, 2016 – Striped with 8-foot parking lanes, 5-foot bike lanes & 11-foot travel lanes

2016 McLellan Rd Changes



June 19, 2016 – All-way stop installed at the 3-legged intersection of McLellan Rd & Forest

2016 McLellan Rd Changes



August 8, 2016 – McLellan Rd speed limit decreased from 30 mph to 25 mph

Harris Dr Overview

(Between McKellips Rd & Brown Rd)

- Similar to McLellan - collector street
- 48 feet wide from McKellips Rd to Huber St & width reduces to 44 feet between Huber St & Brown Rd
- Within residential neighborhood
 - Direct Driveway access for a number of homes
- Many students walking & biking



Harris Drive North of Ivyglen St – Looking South

Harris Dr Before Any Changes



- 48-ft to 44-ft cross section, no pavement markings except at intersections
- All-way stop at McLellan Rd
- Posted speed limit 25 mph

2016 Harris Dr Changes



June 9, 2016 – Striped with 8-foot parking lanes, 5-foot bike lanes & 11-foot travel lanes from McKellips Rd to Huber St & 7-foot parking lanes, 5-foot bike lanes & 10-foot travel lanes from Huber St to Brown Rd

2016 Traffic Counts & History



2016 McLellan Rd Traffic Counts

Table 1: Speed and Volume Counts on McLellan Rd & Harris Dr					
Location 1: McLellan Between Stapley & Harris (1263/1305 E McLellan)					
Details	Count date	Volume	85 th % speed	Avg. speed	% of veh > 40 mph
Before any changes	2/26 – 2/28/1998 avg.	1,970	37.0	31.0	6.0%
3 mo. after bike lanes striped	7/19 & 7/20/2016 avg.	869	37.5	30.8	5.5%
3 mo. after 25 mph speed limit installed	11/17 – 11/18 & 11/21 – 11/23/2016 avg.	1,054	35.8	29.8	3.6%
Location 2: McLellan Between Harris & Forest (1703/1709 E McLellan)					
Details	Count date	Volume	85 th % speed	Avg. speed	% of veh > 40 mph
Before any changes	2/17 & 2/18/2016 avg.	1,101	35.8	30.0	6.0%
1.5 mo. after 25 mph speed limit installed & 6 mo. after bike lanes striped	9/20 – 9/23 & 9/26/2016 avg.	1,011	35.0	29.6	3.0%
3 mo. after 25 mph speed limit installed	11/17 – 11/18 & 11/21 – 11/23/2016 avg.	1,266	35.0	30.1	2.2%
Location 3: McLellan Between Forest & Gilbert (225-Foot E/O Kachina)					
Details	Count date	Volume	85 th % speed	Avg. speed	% of veh > 40 mph
Before any Changes	2/17 & 2/18/2016 avg.	1,230	38.4	31.9	9.0%
3 mo. after bike lanes striped & 1 mo. after all-way stop installed at Forest	7/19 & 7/20/2016 avg.	1,086	35.0	27.8	8.0%
3 mo. after 25 mph speed limit installed	11/17 – 11/18 & 11/21 – 11/23/2016 avg.	1,119	34.5	29.2	2.0%

2016 Harris Dr Traffic Counts

Table 1: Speed and Volume Counts on McLellan Rd & Harris Dr (Continued)

Harris Dr Location 1: Between June & Juniper (1854/1862 N Harris)					
Details	Count date	Volume	85 th % speed	Avg. speed	% of veh > 40 mph
Before any Changes	4/6 & 4/7/2016 avg.	1,946	34.6	29.5	2.4%
1 mo. after bike lanes striped	7/19 & 7/20/2016 avg.	1,662	37.5	31.7	5.5%
3 mo. after bike lanes striped	9/20 – 9/23 & 9/26/2016 avg.	1,654	36.3	30.7	3.8%
Harris Dr Location 2: Between Grandview & Gary					
Details	Count date	Volume	85 th % speed	Avg. speed	% of veh > 40 mph
Before any Changes	4/6 & 4/7/2016 avg.	1,708	34.2	28.5	2.0%
1 mo. after bike lanes striped	7/19 & 7/20/2016 avg.	1,373	36.0	30.1	3.6%
3 mo. after bike lanes striped	9/20 – 9/23 & 9/26/2016 avg.	1,683	37.9	30.5	10.5%

McLellan Rd & Forest St Stop Compliance

Table 2: Combined 3-Hour Study for Driver Stop Compliance

Location: McLellan Rd at Forest Street - All-Way Stop

Driver Action	EB Volume	WB Volume	Total Volume	Percentage
Non-Stopping	2	9	11	3.3%
Practically Stopped (0 – 3 mph)	64	74	138	41.7%
Stopped by Traffic	20	20	40	12.1%
Voluntary Full Stop	65	77	142	42.9%
TOTAL	151	180	331	100.0%

June 19, 2016:

All-way stop installed

October 4, 2016:

Study performed

Eastbound and westbound drivers on McLellan Rd had a compliance rate of 98.7% and 95.0%, respectively (i.e., were practically stopped or fully stopped)

Options

Option 1: Do nothing.

Option 2: Proceed with the installation of speed cushions on McLellan Rd between Harris Dr and Gilbert Rd.

Begin survey process for McLellan Rd between Stapley Dr and Harris Dr.

Option 3: Proceed with the installation of speed cushions on McLellan Rd between Harris Dr and Gilbert Rd, but re-do neighborhood survey.

Begin survey process for the McLellan Rd as noted in Option 2.

Questions & Discussion

