

SHILOH HILLS NEIGHBORHOOD REPORT

Colton and Magnesium

Study Request:

The Shiloh Hills Neighborhood requested staff to investigate the intersection of Colton and Magnesium. Particularly, they wanted staff to look at the existing concrete island at this location for potential removal.

Study Area History:

The existing island at Colton and Magnesium was required as mitigation for a proposed new Home Depot at Colton and Hoerner, which was built in 1998, 20 years ago.

At the time of the proposed Home Depot the entire area bounded by Holland, US2, Nevada and Jay streets was undeveloped and Colton was a cul-de-sac just north of Magnesium.

The volumes on local roads over a 20 year period is as follows (24 hour count, 1 day),

	1998	2003	2008	2013	2018
Magnesium	6,400	7,000	9,000	6,000	5,000
Colton	3,000	1,500	1,000	1,000	2,400
Division	40,000	44,000	42,000	44,000	38,000
Nevada	20,000	25,000	23,000	20,000	23,000

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You can see that traffic volumes have not significantly varied from year to year and the volumes on Colton have increased in 2018 from previous years.

Average speeds collected from the study showed that all of the streets studied did not exceed the legal speed limit by more than 5 MPH.

An additional traffic study was performed on Hill N Dale to address concerns that it is being used as a way to go around the island. The traffic volumes were approximately 550 vehicles in a 24 hour period, which is slightly higher than would be expected on a residential street.

From observations, there were a number of vehicles northbound on Colton, turning onto Hill N Dale, turning westbound onto Magnesium and then turning northbound onto Colton, basically by-passing the concrete island.

TRAFFIC ISLAND:

The traffic island, as previously stated, was installed as mitigation for the new Home Depot when it was the only development in the area and Colton was a cul de sac north of Magnesium.

There was no language in the mitigation that said that it must remain indefinitely.

Currently, the area has been almost completely developed with the Walmart, WINCO, and Home Depot. Colton is an arterial that has all way stops at Jay and at Hoerner due to the traffic using those developments.

An all way stop analysis was performed at the intersection where the traffic island exists, Colton and Magnesium. Colton has much less traffic than Magnesium so it does not meet the criteria typically needed for an all way stop.

