



Engineering Department

EXHIBIT A NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM POLICY AND PROCEDURES May 8, 2013

Background

As a result of steady growth of traffic in local neighborhoods, citizens have petitioned the City for the installation of traffic calming measures. A traffic management program, when implemented strategically, can eliminate or reduce the negative effects of motorized vehicles, alter driver behavior and improve conditions for residents and non-motorized vehicles (i.e. bicycles, skateboards, pedestrians). In response to citizen's requests, the City of Goodyear adopted a Neighborhood Traffic Management Program. The policies and procedures governing this program are set forth below.

Policy

Consideration to implement a traffic management measure will be based on the following criteria and requirements:

- ◆ The posted speed limit of a street segment being studied is 25 or 30 miles per hour on a street classified as a "Local Street" or "Minor Collector." Traffic management measures may be used only on streets with no more than 2 travel lanes, or where the overall pavement width is not greater than 50 feet.
- ◆ The average speed of the traffic being studied is greater than the posted speed limit and the 85th percentile speed is at least 5 MPH greater than posted speed limit.
- ◆ Traffic management measures will not be placed on streets with horizontal curves with less than a 300-foot centerline radius, or on vertical curves with less than the minimum safe stopping distance.
- ◆ The traffic management measure will only be considered for use on streets with grades of 8 percent or less approaching the application.
- ◆ The traffic management measure cannot be placed within 50 feet of a fire hydrant.
- ◆ All proposed locations are subject to approval of the City Engineer or his/her designee, the Fire Department, and Police Department.
- ◆ A petition including all affected addresses on the subject street segment must be submitted to the City with "yes" checked by a minimum of 65% of the residents on the street segment being studied. Residents who do not respond to the petition process will be considered opposed to the installation of a traffic management measure. The petition shall contain information on the proposed locations of the traffic management measure and exact

addresses of the properties immediately adjacent to the proposed traffic management measures. 100% of the residents immediately adjacent to the proposed traffic management measure must sign the petition in favor of the measure to be placed at that location.

- ◆ Only the signature of the homeowner will be accepted on the petition. Renters are not authorized to sign the petition.
- ◆ The petition will be active for six (6) months from the date of issue to the residents and must be returned to the City before the six months has lapsed. If the completed petition is not returned to the City within six months from the date they were mailed to the neighborhood coordinator, it will expire. Six months must pass from the deadline when the petition expired before the City will restart the petition process.
- ◆ If the homeowner that previously signed the petition would like to remove their name from the petition, the homeowner has five business days from the date the petition is received by the City. The homeowner must submit a letter to the City stating in writing that they would like their name removed from the petition.
- ◆ Only original signatures on petition forms prepared by the City will be accepted. Photocopies will not be accepted.
- ◆ Approved projects will be constructed based on funding availability.
- ◆ In the event of multiple approved projects, projects will be prioritized based on the following criteria:
 1. Residential streets with highest differential between average speed and posted speed.
 2. Collector streets with highest differential between average speed and posted speed.

Approved Traffic Management Device

Speed Cushion

The speed cushion is currently the only approved traffic management measure in the City of Goodyear. A speed cushion raises the surface of the pavement by 3 inches over a distance of 6 feet, and transition down 3 inches over 6 feet. Speed cushions are effective at lowering speeds while providing minimal impact to fire trucks because sections are cut out to allow wider vehicles to travel through without having to travel over the device. The City of Goodyear's speed cushion detail is attached and will be used for the design and construction of speed cushions installed through this program.

Procedures

Speed Cushion Installation

The steps and related information for studying and/or installing speed mitigation applications are as follows:

- ◆ When a resident requests speed cushions, City Staff provides information about the program and sends a Neighborhood Traffic Management Request Form to the resident within three business days.
- ◆ Resident completes and returns Neighborhood Traffic Management Request Form with signatures representing homeowners from ten households on street where speed cushions are requested.

- ◆ A preliminary evaluation of the street is performed by Engineering, Police, and Fire Staff within two weeks of submittal of request form to determine if street satisfies criteria for neighborhood traffic management measures.
- ◆ If the street is eligible for traffic management measures, traffic data is collected on the street, and a neighborhood traffic management study is completed within four weeks of the preliminary evaluation by City staff.
- ◆ The resident will be informed whether the criteria for neighborhood traffic management measures are met on the streets studied.
- ◆ If the criteria for neighborhood traffic management measures are met, the study area is determined by the Engineering Department, the locations of the traffic management measures are painted in the street, and a petition is prepared by the City for circulation by the residents within four weeks of the completion of the neighborhood traffic management study.
- ◆ If the criteria for neighborhood traffic management measures are not met the resident is informed within three business days that the criteria are not met and that the process will not proceed. Within 60 days of being informed that the criteria are not met, the resident may appeal to City Council to move forward with the petition process for the installation of traffic management measures.
- ◆ Engineering Department will spot-check for accuracy completed petitions within two weeks of their submission by the resident to Engineering.
- ◆ Upon confirmation of a successful petition, the resident will be informed within three business days that the petition has been approved. In addition, an update will be provided on the status of available funding and the prioritization of the project. If funding is not available for the approved petition, then the approved speed cushions will be placed on a waiting list.

Approved speed cushions will be designed in accordance with City engineering standards and installed at City cost subject to available funding within six months of the approval date. The Engineering Department manages construction and maintenance of the devices.

Traffic Management Measure Removal

Once traffic management measures are in place, they must remain in place for a period of one year before a petition for removal will be considered. Removal of existing traffic management measures shall be handled through the petition process described above. Seventy percent of the property owners within original study area must vote in favor of removing the traffic management measure. Upon the receipt of a request for the removal of a traffic management measure supported by seventy percent of the homeowners within the original study area, the City Engineer or his/her designee shall determine whether the traffic management measure should be removed. Once removed, the area will not be considered under this program for traffic management measures for a period of three years.

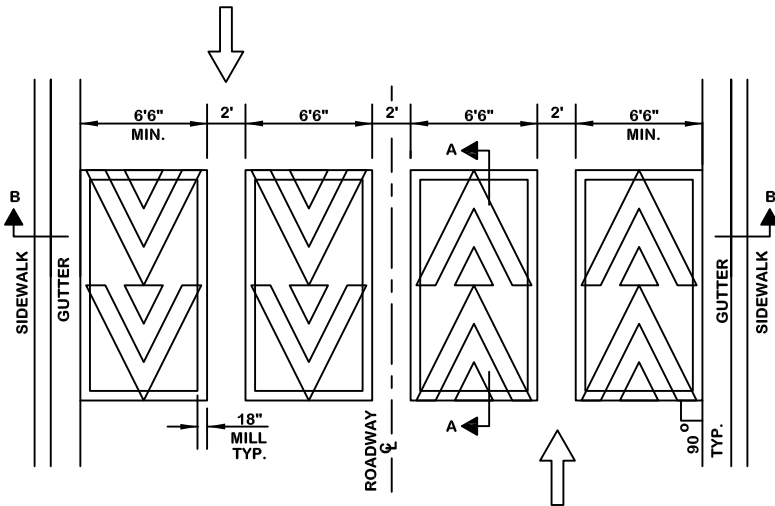
The traffic management policies and procedures will be reviewed annually to determine if any adjustments to the policies and procedures are necessary. The ability for the City to install neighborhood traffic management devices will depend on the availability of funding. Funding is allocated each fiscal year, and traffic management measures will be installed as funding is available. When funding is no longer available, City Staff will continue to process requests for the next fiscal year.

IMPORTANT:

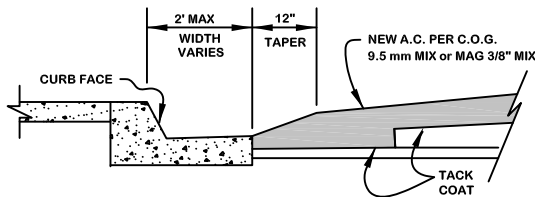
TO GAIN MAXIMUM EFFECT, CUSHIONS MUST BE CONSTRUCTED AS PER THE SHOWN DETAIL, WITH AN ALLOWABLE TOLERANCE OF + 0.25". CONTRACTORS MUST COMPLY BASED ON CONSIDERATION FOR EMERGENCY AND FIRE DEPARTMENT VEHICLES. BECAUSE OF THIS CONCERN, ANY DEVIATION FROM THE SHOWN DIMENSIONS MUST BE CORRECTED AT THE CONTRACTOR'S EXPENSE. THE OUTER CUSHIONS MUST BE EXTENDED TO THE EDGE OF PAVEMENT WITH A MINIMUM WIDTH BEING 6'6".

NOTES:

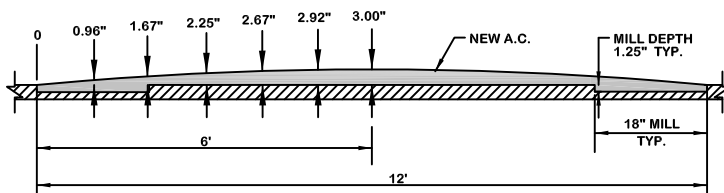
1. SPEED CUSHIONS SHALL NOT BE PLACED IN A LOCATION SUCH THAT DRAINAGE IS COMPROMISED.
2. SPEED CUSHIONS MUST BE PLACED AT LOCATIONS APPROVED AND SPECIFIED BY THE CITY OF GOODYEAR ENGINEERING DEPARTMENT.
3. CUSHIONS SHALL BE CONSTRUCTED SYMMETRICAL TO THE ACTUAL CENTER OF ROADWAY; NOTE THAT THE CENTERLINE STRIPE MAY NOT BE IN THE CENTER OF THE ROADWAY.
4. SPEED CUSHIONS SHALL NOT BE PLACED OVER MANHOLES, WATER VALVES, JUNCTION CHAMBERS, SURVEY MONUMENTS, MONITORING WELLS, OR OTHER BELOW GROUND VAULTS, ADJACENT TO FIRE HYDRANTS OR IN CONFLICT WITH DRIVEWAYS.
5. THIS DETAIL IS NOT APPROPRIATE FOR STREETS LESS THAN 36' WIDE. ON STREETS LESS THAN 36' WIDE B/C TO B/C, ONLY TWO RUTS SHALL BE SPACED AT 6'6". THE RUTS SHALL BE CONSTRUCTED 3'3" FROM CENTER OF THE ROADWAY.
6. CUSHIONS SHALL BE CONSTRUCTED WITH A 9.5 mm HOT MIX OR 3/8" MAG DESIGN LISTED ON THE CITY'S APPROVED MATERIALS LIST FOR ASPHALT.
7. EXISTING ROADWAY SHALL BE MILLED TO A WIDTH OF 18" AND TO A MINIMUM DEPTH OF 1.25" AROUND THE PERIMETER OF EACH CUSHION.
8. A TACK COAT SHALL BE APPLIED PRIOR TO APPLICATION OF ASPHALT.
9. CONTRACTOR SHALL PROVIDE FLAGGER UNTIL TACK COAT DRIES TO WARN MOTORISTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ONE TRAVEL LANE CLEAR OF DEBRIS, INCLUDING THE TACK COAT THAT HAS NOT DRIED.
10. CONTRACTOR SHALL PROVIDE VERIFICATION OF ELEVATION DIMENSIONS.
11. CONTRACTOR SHALL STRIPE THE CUSHIONS PER THE CITY'S SPEED CUSHION PAVEMENT MARKINGS DETAIL.
12. CONTACT THE CITY OF GOODYEAR ENGINEERING DEPARTMENT (623-882-7979) ONE WEEK PRIOR TO INSTALLATION TO COORDINATE WARNING SIGN PLACEMENT.



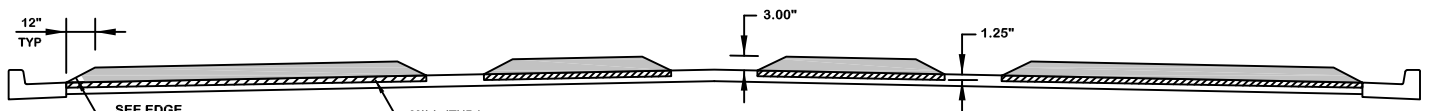
PLAN VIEW



EDGE DETAIL



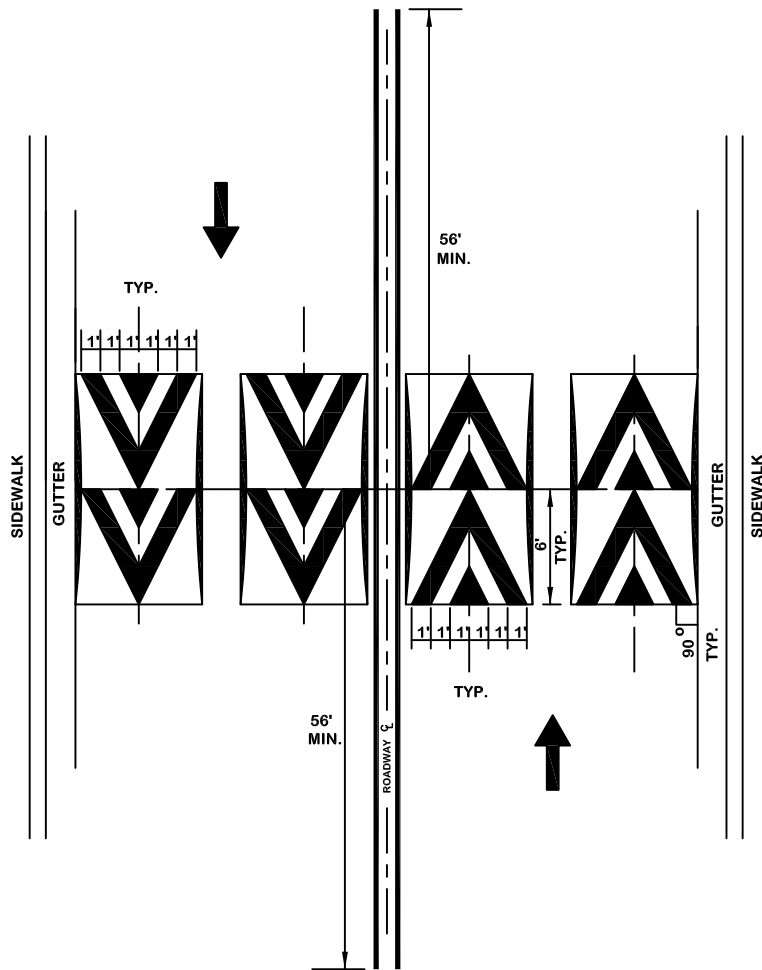
SECTION A-A



SECTION B-B

NOT TO SCALE





NOTES:

1. ON THE SAME DAY OF INSTALLATION, CONTRACTOR SHALL STRIPE THE CUSHIONS WITH WATER BASED PAINT PER CITY OF GOODYEAR'S SPECIFICATIONS FOR PAVEMENT MARKINGS.
2. CONTRACTOR SHALL PERMANENTLY STRIPE THE SPEED CUSHIONS WITH 12" WHITE MARKINGS 30 DAYS AFTER INSTALLATION.
3. PERMANENT STRIPING SHALL BE 3M STA-MARK SERIES SMS-5730 OR APPROVED EQUIVALENT.
4. APPLY 3M CONTACT CEMENT E-44 OR APPROVED EQUIVALENT TO THE ROADWAY FOR STRIPING INSTALLATION.
5. THE CITY ENGINEERING DEPARTMENT SHALL IDENTIFY IF CENTERLINE STRIPING IS REQUIRED AND THE LENGTH REQUIRED. THE MINIMUM LENGTH, IF REQUIRED, IS EQUAL TO 56' FROM THE CENTER OF THE SPEED CUSHION.

NOT TO SCALE



ENGINEERING DEPARTMENT
SPEED CUSHION PAVEMENT MARKINGS



Neighborhood Traffic Management Request Form

REQUESTER: _____

ADDRESS: _____

PHONE NUMBER: _____

EMAIL: _____

DATE: _____

We the undersigned, representing ten homeowners on the street identified below request the City to evaluate this street for eligibility for speed cushions. Depending on the outcome of the evaluation, we may want to pursue speed cushions on our street. However, our signatures on this form do not commit us to support speed cushions at any time in the future.

Please submit a separate form for each street you are concerned about.

Only one signature per household

Street Segment: _____ from _____ to _____

	PROPERTY OWNER	ADDRESS	PHONE OR EMAIL	SIGNATURE
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____
9.	_____	_____	_____	_____
10.	_____	_____	_____	_____

After completing this form, please mail to City of Goodyear, Attn: Hugh Bigalk, PO Box 5100, Goodyear, AZ, 85338 or email to Hugh.Bigalk@goodyearaz.gov. Once we receive the form, we will perform a preliminary evaluation and schedule a traffic study if the street is eligible for speed cushions. The Neighborhood Traffic Management Program Policy and Procedures can be downloaded at www.goodyearaz.gov.