

# Middletown Township

## Curb Cuts

There are various curb cuts around the Township that are obviously constructed incorrectly and several were reviewed during the Inspection dates of October 28 and 29, 2004. The ANSI A117.1-1980 states the approximately same standards that the present ANSI does when addressing slopes, so these areas have been incorrectly constructed since that date.

### 1. Leonardville Road

The curb cuts on Leonardville Road were inspected and the following were found to be a violation of the ANSI and Americans with Disabilities Act 1990. while using the Americans with Disabilities Act Accessibility Guide (ADAAG).

- a. The curb cuts on this road have slopes of 13.3% on the actual curb cut contrary to ANSI section 406.2 and ADAAG section 4.7.2.



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- b. There are transitions from the street to the curb cut of 1 inch contrary to ANSI section 403.4 and ADAAG section 4.3.8.



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- c. The sidewalk adjacent to the curb cuts have more than 2% slope and will make a wheelchair travel in the direction of the slope contrary to ANSI section 403.3 and ADAAG section 4.3.7.



## 2. High School North

The curb cuts on the road in front of the High School were inspected and the following were found to be a violation of the ANSI and Americans with Disabilities Act 1990, while using the Americans with Disabilities Act Accessibility Guide (ADAAG).

- a. The curb cuts on this road have slopes of 14.2% on the actual curb cut contrary to ANSI section 406.2 and ADAAG section 4.7.2.



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- b. There are transitions from the street to the curb cut of .5 inches to 1 inch contrary to ANSI section 403.4 and ADAAG section 4.3.8.



- c. The sidewalk adjacent to the curb cuts have more than 2% slope and will make a wheelchair travel in the direction of the slope contrary to ANSI section 403.3 and ADAAG section 4.3.7.



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- d. There are intersections without proper transitions such as correct curb cuts contrary to ANSI section 303.4 and ADAAG section 4.7.1. The sidewalk in front of the High School lacks any curb cuts on the path of travel between the designated traffic entrance and exit.



3. Municipal Hall

The curb cuts at Municipal Hall and surrounding area have the same problems as the other streets listed above.

4. Remaining Streets

The remaining streets in the Township have problems that makes navigating the boundaries of the city difficult and since these sidewalks are used to access Township services they need to be access with the proper level sidewalks, curb cuts with slopes no steeper than 8.33% and level transistions at the top and bottom of the curb cuts. The majority of intersections in the Township will need to be fixed because they hinder access around the city.

Solutions and Cost Estimate

Make new curb cuts	\$1200.00 per installation
Replace curb cut	\$800.00 each
Patch lip on transistion to street	\$75.00 each
Add concrete to correct cross slope	\$5.00 per square foot of walkway