



LAND USE & TRANSPORTATION MEMORANDUM

Engineering and Construction Services

To: Urban Road Maintenance District Advisory Committee

From: Michael Mills, Engineering Associate

Date: December 15, 2014

**Subject: Speed Display Signs on collector and arterial roads
(This memo is for discussion purposes only)**

Radar speed display signs have become very popular and effective in reducing speeds on roads in Washington County. These signs have replaced speed cushions as the tool of choice for traffic calming on local and neighborhood route streets under the Neighborhood Streets Program.

Now that Washington County is constructing pedestrian paths on collector and arterial roads under the Minor Betterment and URMD Safety Improvement programs, actual speeds of vehicles on the adjacent road has become a concern. One potential solution is to include solar powered speed display signs at select locations.

If the road getting the pedestrian path is a collector or an arterial with an 85th percentile speed of 6 mph or more over the posted speed, traffic engineering suggests speed display signs could be included in the safety improvements.

Six of the road segments listed as current Top URMD Safety Improvement Candidates meet those criteria as follows:

#280 Kemmer Road (170 th to 175 th)	Posted 25 mph, 85 th percentile speed - 39 mph
#241 Leahy Road (Leahy Terrace to 107 th)	Posted 35 mph, 85 th percentile speed - 42 mph
#277 Johnson Street (198 th to 209 th)	Posted 25 mph, 85 th percentile speed – 33 mph
#245 113 th Avenue (Anderson to Rainmont)	Posted 35 mph, 85 th percentile speed – 45 mph
#278 Kinnaman Road (198 th to 209 th)	Posted 25 mph, 85 th percentile speed – 32 mph
#279 Rock Road (198 th to 209 th)	Posted 25 mph, 85 th percentile speed – 31 mph

The estimated cost for installation of one solar powered speed display sign including design and construction is around \$20,000 - \$25,000.