

# ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT

## BRIDGE DIVISION

### DESIGN MEMORANDUM 06-01

DATE: August 7, 2006

TO: Bridge Division Personnel

FROM: Phil Brand, Bridge Engineer

SUBJECT: Sidewalks on Bridges

The "Bicycle and Pedestrian Facility Accommodation Policy" dated 6/27/05, and issued by the Chief Engineer on August 23, 2005 has resulted in a re-examination of sidewalks on bridges. In order to provide a consistent transition between the roadway approach section and the bridge, the following shall be provided when the design speed of the facility is 45 mph or less:

- Sidewalk width shall be a minimum of 6'-6", as measured from the face of the bridge parapet to the "face of curb". This provides for a 6'-3" ± usable sidewalk behind the back of the 6" raised curb.
- The Transitional Approach Railing referenced in Bridge Division IOM dated 4/29/93 shall be used.

When the design speed of the facility is 50 mph or greater, the sidewalk shall be separated from the highway traffic with a traffic barrier located in compliance with AASHTO LRFD Bridge Design Specifications.

Special circumstances involving stopping sight distance requirements, exceptionally long bridges, retaining walls along the edge of the sidewalks, etc., should be evaluated and any variations from the above approved by the Bridge Engineer.

This policy is effective for all future projects, and those that do not have the preliminary layouts approved as of this date.

