DATE: December 3, 1999

TO: Regional Engineers
    Regional Associate Delivery Engineers
    Regional Construction Engineers
    Resident/Project Engineers/TSC Managers

FROM: C. Thomas Maki
      Chief Operations Officer

      Gary D. Taylor
      Chief Engineer/Deputy Director
      Bureau of Highway Technical Services

SUBJECT: Bureau of Highway Instructional Memorandum 1999-20
         Cantilever Sign Supports

At the September 2, 1999, Engineering Operations Committee (EOC) meeting, it was
decided to place a moratorium on the use of Type G and Type H cantilever sign supports
effective immediately. Installation of these types of sign supports may occur under existing
contracts if the foundation has already been placed, otherwise an appropriate contract
adjustment must be made. This moratorium was instituted because of continued installation
and maintenance issues.

It was also decided to limit the use of other types of cantilever sign supports to highway
locations only where absolutely necessary. An overhead support or breakaway ground mount
sign support must be used in all cases that are acceptable sites before considering the use
of a cantilever sign support. Breakaway ground mount sign supports must be used when
acceptable; however, if it has been determined that an overhead installation is required, the
following order of consideration for support should be made:

1. Bridge Mount - If there is a structure available in the approximate location for
sign placement.
2. Truss Bridge - For more than one sign per location.
3. Cantilever Support (Type C, Type D, or Type E) - For single sign locations.

It is recognized that installing an overhead truss bridge sign support is more expensive than
a cantilever sign support.

Our biennial inspection program will continue until all the cantilever sign supports are no longer
in service. If a Type G or Type H cantilever is replaced due to the biennial inspection, the
cantilever in question must be replaced with a ground mount, a bridge mount, a truss bridge,
or a cantilever support (Type C, Type D, or Type E), whichever case applies appropriately to the sign location.

In the unique case that a Type G or Type H cantilever sign support is the only viable solution, a request for an exception must be made to the EOC. It should be recognized that large diameter anchor bolts may not be readily available for infrequent use of Type G and Type H cantilever sign supports and that adequate lead time must be provided for material delivery.