

Also see the AASHTO "Green Book", Chapter 6 and AASHTO's "A Guide for Achieving Flexibility in highway Design", Chapter 1.\*

Careful consideration must be given to environmentally sensitive locations which would require possible air or noise studies. Where schools, churches, historical structures, playgrounds, etc., are in close proximity to the proposed project, the District Environmentalist should be contacted to determine the extent of traffic analysis required.

## **REQUESTING PHOTOGRAPHIC COVERAGE/TOPOGRAPHIC MAPPING**

On most new locations, it is desirable to request topographic mapping. A review of available data in most cases allows the Engineer to determine the approximate area to be mapped. In some instances it may be necessary to review the area to be mapped in the field. This area can then be shown accurately on a quadrangle sheet. After determining the area to be mapped, the ratio (scale) of mapping is to be determined. Most mapping is prepared at a 1" = 200' scale; however, it is also available at other scales. When the proper scale is determined, the Project Manager will advise the Photogrammetric Engineer who will proceed in the preparation of the mapping. Immediate action on requests for mapping may not always be possible as the flying time necessary for good aerial photography is limited.

## **ASSEMBLING PHOTOGRAPHS AND MAPPING**

After the photographs are secured, mapping is completed. Prints can be made and used as individual sheets or combined as rolls at the discretion of the Engineer. A set of individual photographs is also essential for stereo viewing. A mosaic can be ordered through the Photogrammetric Engineers, should this be found desirable.

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\* Rev. 7/07