Notes to Designers

1. Engineer to field verify all sign locations to ensure the sign is properly located and appropriate sign spacing is achieved.

2. All existing signs shall be shown on the plans. Label "existing to remain" for those that are to remain in place. All existing signs are to remain visible until such time as the proposed sign installation is completed.

3. The minimum sign spacing between a Dynamic Message Sign (DMS) and guide signs or directional signs should be 1000 feet, when the guide sign is upstream of the DMS.

4. For size of signs, lettering, and plaques, follow the Freeway Classification in MUTCD Tables 2B-1, 2C-2, 2E-4, and 2E-5. The minimum sizes for regulatory and warning signs on exit or entrance ramps to/from Turnpike facilities must be Freeway Classification.

Notes to Designers (Express Lanes)

5. Toll Amount sign structures shall be designed to accommodate three (3) destinations. The cross-section sheet should show the outline of a three (3) destination panel and the proposed panel to be installed with the project (even if the proposed panel does not have three (3) destinations).

6. Toll amount sign closest to an ingress shall be on a span structure.

7. Toll Amount embedded front access DMS shall be full color, 20mm pixel pitch, be able to display seven (7) characters, and have 18" character height. Embedded DMS shall be mounted per sign manufacturer requirements.

8. Express Lane Status one-line front access DMS shall be full color, 20mm pixel pitch, be able to display 18 characters per line, and have 18" character height.

9. The express lane signs shall be overhead and over the corresponding lanes. The Advance Signing Layout diagrams are a guide for placement. Sign structures can be located on either side of the road or on a span. Roadway conditions determine the type of structure.

10. For direct connect access into the express lanes, the sequence can be adjusted to have one (1) Toll Amount sign, with a lane status DMS. The lane status DMS will serve as a backup for the provided toll amount. This DMS shall have separate power and separate communication.

11. For more than one (1) Express Lane, guide signs shall read EXPRESS LANES.

Notes to Designers (Thru Lanes)

12. Thru Lane Exit sign structures shall be designed to accommodate three (3) destinations. The cross-section sheet should show the outline of a three (3) destination panel and the proposed panel to be installed with the project (even if the proposed panel does not have three (3) destinations). No more than three (3) destinations shall be displayed on the Thru Lane Exit sign.

13. Thru Lane signs shall be overhead and over the corresponding lanes. The Advance Signing Layout diagrams are a guide for placement. Sign structures can be located on either side of the road or on a span. Roadway conditions determine the type of structure.

14. For more than one (1) Thru Lane, guide signs shall read THRU LANES.