

D. TRAFFIC IMPACT STUDY CONTENTS AND SPECIFICATIONS

The contents were primarily adopted from VDOT "*Guidelines for Traffic Impact Study--Final Report*," prepared by Simpson and Curtin, April 1979, and "*Guidelines for Traffic Impact Studies in James City County*."

1. Format

A traffic impact study prepared for a specific site proposal should follow the chapter format shown in Table C-7-1. Wherever additions or modifications are appropriate for a specific site, they should be made.

2. Capacity and Level of Service Analyses

a. Use of the Highway Capacity Manual

All capacity analyses shall be conducted utilizing the procedures in the current *Highway Capacity Manual*.*

1. INTRODUCTION

- A. Site and Study Area Boundaries
- B. Existing and Proposed Site Uses
- C. Existing and Proposed Nearby Uses
- D. Existing and Proposed Roadways and Intersections

2. ANALYSIS OF EXISTING CONDITIONS

- A. Daily and Peak Hour(s) Traffic Volumes
- B. Capacity Analyses at Critical Points
- C. Levels of Service at Critical Points

3. ANALYSIS OF FUTURE CONDITIONS WITHOUT DEVELOPMENT

- A. Daily and Peak Hour(s) Traffic Volumes
- B. Capacity Analyses at Critical Points
- C. Levels of Service at Critical Points

4. TRIP GENERATION

5. TRIP DISTRIBUTION

6. TRAFFIC ASSIGNMENT

7. ANALYSIS OF FUTURE CONDITIONS WITH DEVELOPMENT

- A. Future Daily and Peak Hour(s) Traffic Volumes
- B. Capacity Analyses at Critical Points
- C. Levels of Service at Critical Points

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