

Contents

Introduction1-1

Existing Conditions

2.1	Physical Layout.....	2-1
2.2	Traffic Signals.....	2-2
2.3	Traffic Volumes.....	2-2
2.4	Accident History.....	2-2

Traffic Capacity Analysis

3.1	Capacity Analysis Methodology.....	3-1
3.2	Existing and Future "No-Build" Traffic Operations.....	3-2

Proposed Improvements

4.1	General.....	4-1
4.2	Intersection Geometry.....	4-1
4.3	Pedestrian Facilities.....	4-1
4.4	Bicycle Facilities.....	4-1
4.5	Landscaping Improvements.....	4-1
4.6	Overhead Utility Relocation.....	4-2
4.7	Abutter Impacts.....	4-2
4.8	Alternatives.....	4-2
4.9	Existing and Future "Build" Traffic Operations.....	4-3

Recommendations

5.1	Recommended Alternative.....	5-1
5.2	Preliminary Construction Cost Estimate.....	5-2

Route 30/School Street/East Plain Street

6.1	Introduction.....	6-1
6.2	Field Observations.....	6-1
6.3	Preliminary Recommendations.....	6-1

Appendices

Appendix A	Public Meeting #1 - PowerPoint Presentation
Appendix B	Public Meeting #2 – Handout
Appendix C.....	Public Meeting #3 – PowerPoint Presentation
Appendix D.....	Board of Road Commissioners Meeting Handouts
Appendix E.....	Public Questionnaire
Appendix F	Turning Movement Counts
Appendix G	Automatic Traffic Recorders

Table of Contents

<i>Appendix H</i>	Accident History and MassHighway Crash Data
<i>Appendix I</i>	No-Build Analysis
<i>Appendix J</i>	Build Analysis
<i>Appendix K</i>	Landscape Architect Memorandum for Improvements
<i>Appendix L</i>	Conceptual Design Alternatives #1 and #2
<i>Appendix M</i>	Preliminary Construction Cost Estimate