

PROPOSED

Salem, MA – Lafayette Street Safety Enhancements

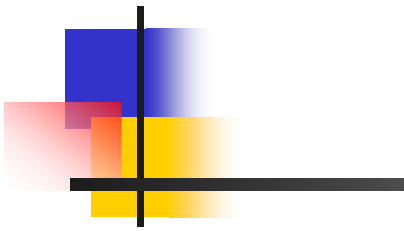


Phase I - Immediate Action Plan

Phase II - Potential Follow-up Plan

General Issues

- ❖ Vertical and Horizontal Curves
- ❖ Wide Pavement
- ❖ Super-elevation
- ❖ Speeding (Esp. Late at Night)
- ❖ Utility Pole Crashes
- ❖ Minimize Driver Error during day/night conditions
- ❖ Must be feasible to implement



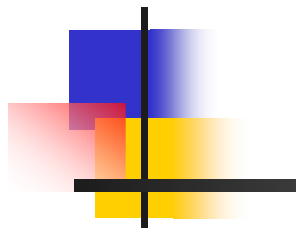
Immediate Action Plan

Objectives:

- ❖ Draw greater attention to the late night speeding issue
- ❖ Enhance late night visibility
- ❖ Be self-enforcing to maximum extent possible
- ❖ Slow traffic especially through the curves
- ❖ Be readily implementable

Immediate Action Plan

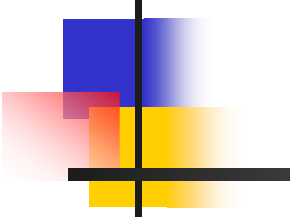
Features:



- ❖ Enhanced signs
 - ❖ Highly visible signs
 - ❖ Variable message radar speed sign
- ❖ Enhanced Pavement Markings
 - ❖ Highly visible pavement markings
 - ❖ Raised plowable reflectorized markers

Follow-up Phase II Plan

Objectives:

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- ❖ Modify motorist behavior if speeding continues with phase I Plan
 - ❖ Potential for guard rail installation
 - ❖ Further day and night slowing of traffic especially through curves
 - ❖ Consistency with Phase I plan

Follow-up Phase II Plan

Five Options Considered:

- ❖ **1)** Create grass or landscaped strip w/o curbing around phase SB bike lane **ELIMINATED**
- ❖ **2)** Create grass or landscaped strip w/street side curbing only **NOT PREFERRED**
- ❖ **3)** Create grass or landscaped strip w/curbing on all sides **ELIMINATED**
- ❖ **4)** Narrow pavement w/curb bike lane
- ❖ **5)** Super-elevation changes **ELIMINATED**

Preferred Option

*Prepared for
City of Salem, Massachusetts*

Follow-up Phase II Plan

Features:

- ❖ Retain signs/markings
- ❖ Narrowed paved cross-section with SB bike lane with typical layout
- ❖ On-street Parking precluded
- ❖ Curbing closer to traffic between utility poles
- ❖ Potential for guard rail along curve between Fairview and Lincoln Avenues
- ❖ Narrow pavement w/curb bike lane

Note: Super-elevation changes an option if pavement is not narrowed (retain Ph. I)



- Thank You -
Questions??