



Town of LaSalle

Fire Protection Services Master Plan

Final Presentation to Council
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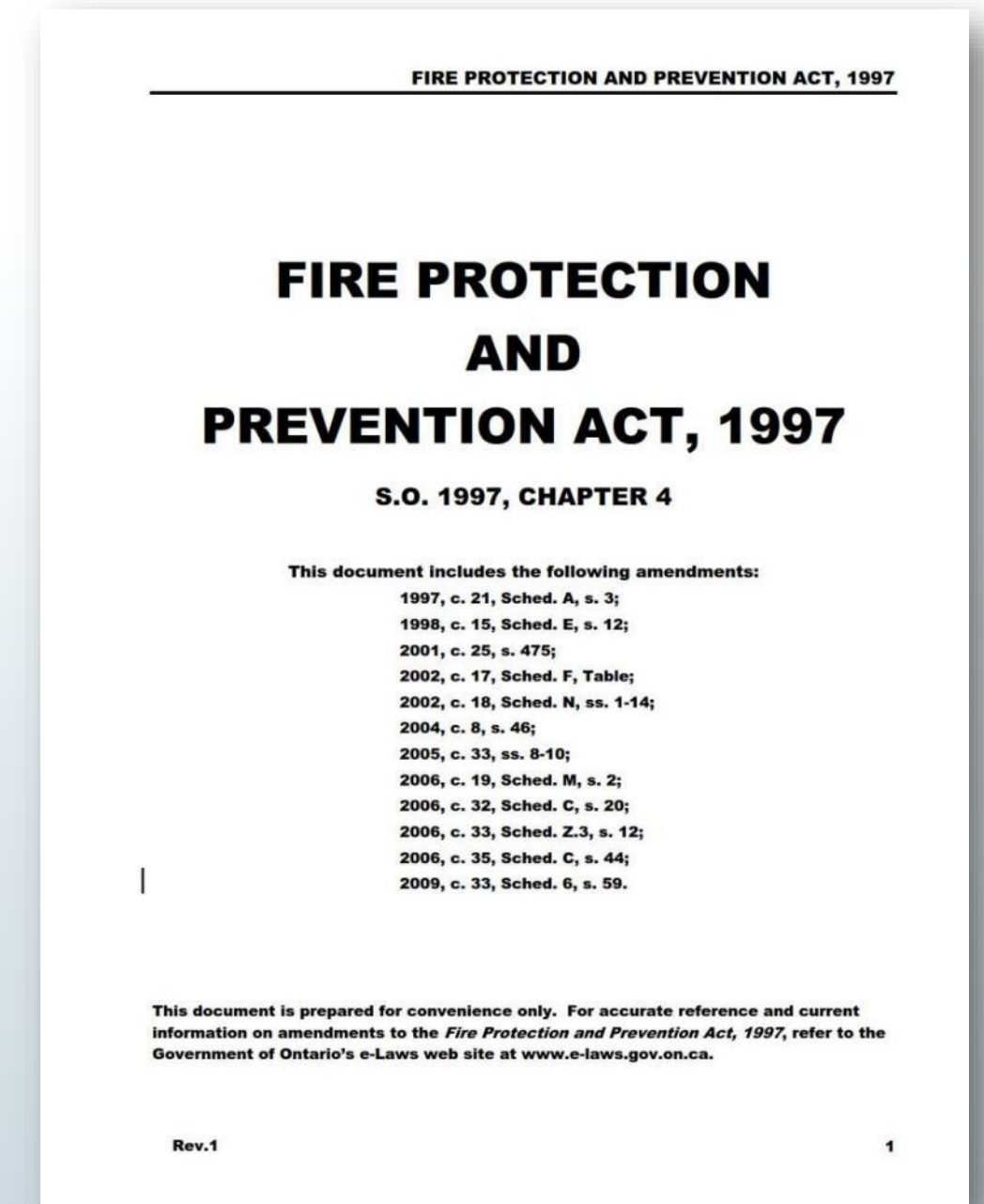
August 13th, 2019

Fire Protection & Prevention Act

States that every municipality shall:

(a) Establish a program for public education with respect to fire safety and certain components of fire prevention; and

(b) Provide other fire protection services as it determines may be necessary in accordance with its needs and circumstances.



New Legislation



(a) Community Risk Assessment

- ***Ontario Regulation 378/18:*** as of ***July 1st, 2019*** requires every municipality in Ontario to develop a ***Community Risk Assessment*** to inform all decisions related to the provision of fire protection services.

(b) Public Reporting for Fire Department Response Times

- Will require every municipal fire department to ***prepare a public report*** based on information (if available) requested by the Fire Marshal.

Community Responsibilities

- ✓ Applicable to **individual homeowners, building owners, and tenants**
- ✓ Community responsibilities are **legislated** (Ontario Fire Code) and promoted through public education (OFMEM PFSGs)
- ✓ Under the **Ontario Fire Code**, a homeowner or building owner is required to:
 - maintain a working **Smoke Alarm** on every level of a residential occupancy
 - maintain a working **Carbon Monoxide Alarm** in most residential occupancies
- ✓ Homeowners are strongly suggested to develop and practice a **Home Escape Plan** that includes two exits from every room (OFMEM PFSGs)



Fire Behaviour

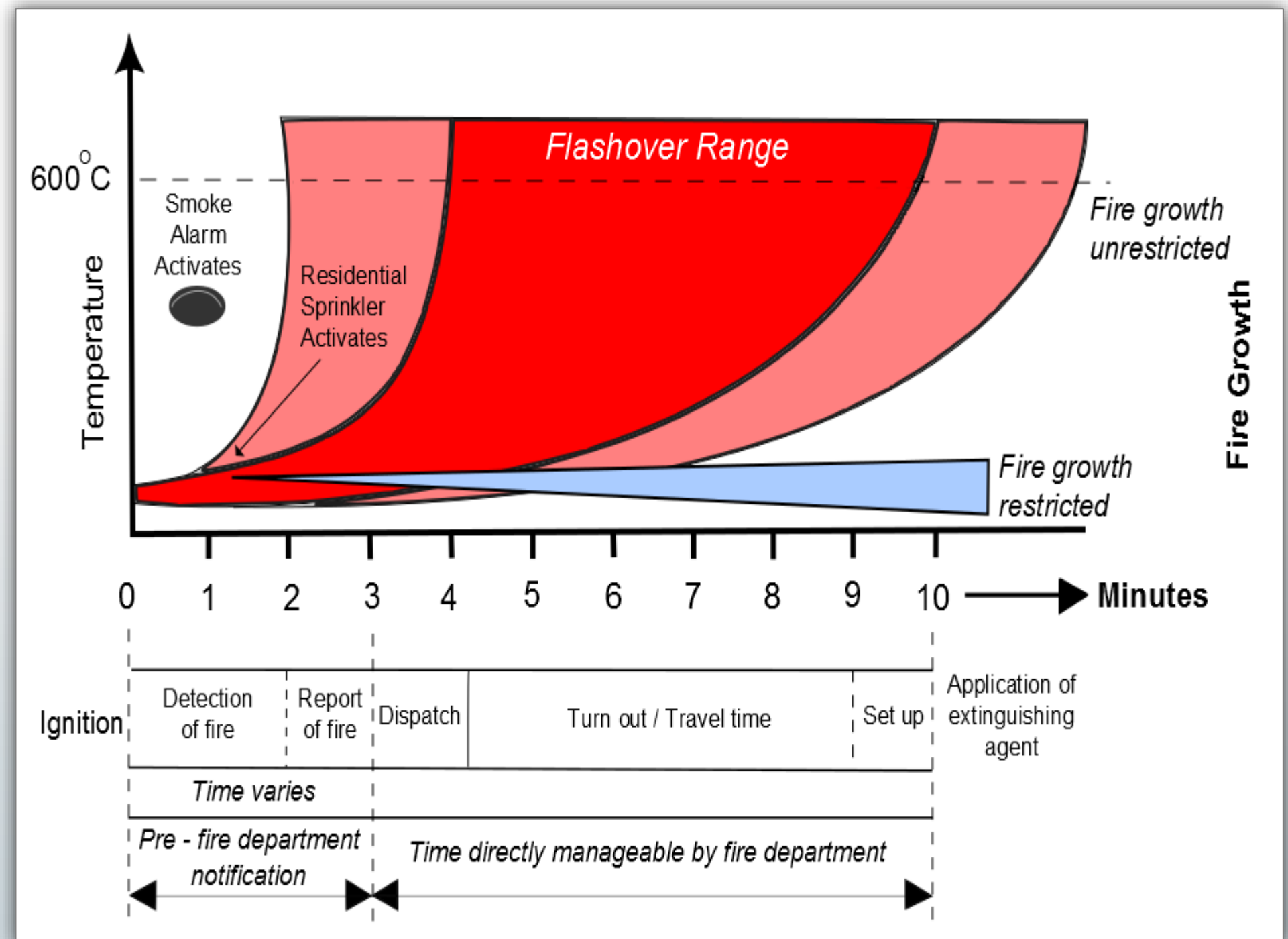
Industry recognition that **fires** are **burning faster and hotter.**

Emphasis on the ***First Two Lines of Defence.***

(e.g., early detection; early notification; home escape planning, etc.)

Fire Suppression as the Fail Safe.

FIRE PROPAGATION CURVE



Source: Fire Underwriters Survey "Alternative Water Supplies for Public Fire Protection: An Informative Reference Guide for Use in Fire Insurance Grading" May 2009 and NFPA "Fire Protection Handbook" 2001

Ontario Fire Protection Model: Three Lines of Defence

1

Public Education and Prevention

- Smoke alarm program, learn not to burn education, home escape planning;
- Identified vulnerable groups such as seniors and children.



2

Fire Safety Standards and Enforcement

- Fire inspection program and regular inspection cycles based on type of occupancy;
- Licensing, and violation enforcement including prosecution.



3

Emergency Response

- Ontario Fire Marshal's Office guidance notes; National Fire Protection Association Standards (NFPA); Ministry of Labour (Section 21 Guidance Notes); Industry best practices.



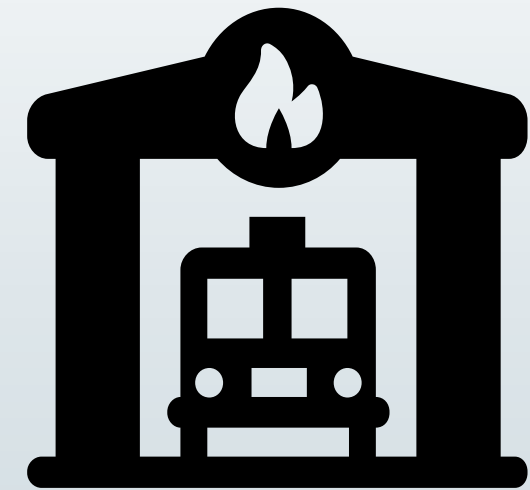
Stakeholder Consultation

Internal Stakeholders:

- ✓ Steering Committee Meetings
- ✓ Conducted interviews with:
 - Mayor and Members of Council
 - Senior Town staff
 - LaSalle Fire Service staff
 - LaSalle Firefighters Association President
 - LaSalle Police Services Staff Sergeant
- ✓ Council Educational Workshop

Public Consultation:

- ✓ Public Information Centre



Community Risk Assessment (C.R.A.)

Analyses of Nine Mandatory Profiles

1. Geographic
2. Building Stock
3. Critical Infrastructure
4. Demographic
5. Hazard
6. Public Safety Response
7. Community Services
8. Economic
9. Past Loss Event History

Profiles Inform

**“Comprehensive”
Community Risk
Assessment
(C.R.A.)**

Identify

Key Risks
(Quantitative Analysis:
Probability x
Consequence)
&
Key Findings
(Qualitative Analysis)

Divisional Analysis

- ✓ Reviewed all **Non-Fire Suppression** activities and programs provided by the department
- ✓ Analyzed compliance with **applicable legislation**
- ✓ Comparisons to current **industry guidelines** (O.F.M.E.M.) and **industry standards** (N.F.P.A.) reflecting current **industry best practices**
- ✓ Informed by the findings of **Community Risk Assessment**
- ✓ Completed **gap analysis** to inform options and recommendations for Council's consideration

- **Administration**
- **Fire Prevention**
- **Public Education**
- **Training**
- **Apparatus**
- **Equipment**
- **Emergency Management**
- **Communications**

Fire Suppression Analysis

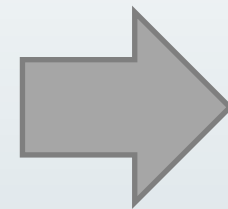
- ✓ Statistical and trend analysis of **historical performance** (e.g., response data, call volume, type of calls, etc.)
- ✓ Suppression Division **staffing and service levels**
- ✓ Compliance with applicable legislation including **O.H.S.A. Section 21 Guidance Notes**
- ✓ **Station locations** and facilities (condition, functionality, etc.)
- ✓ **Service agreements** (including mutual and automatic aid agreements)
- ✓ Emergency response deployment (**initial response & depth of response**)
- ✓ Emergency response with **future growth** considerations



F.P.S.M.P. Approach Summary

COMMUNITY RISK ASSESSMENT

- Analysis of 9 mandatory risk profiles
- Identification of **key risks** and **key findings**



FIRE PROTECTION SERVICES MASTER PLAN

- 10-Year Strategic Planning Document for the delivery of **all fire protection services**
- Identify **proposed service levels** for:
 - Fire Prevention/Public Education
 - Fire Suppression
- Provide **options** for Council's consideration/approval

F.P.S.M.P. Recommendations

- **Council Recommendations:**
 - Require a **policy decision** or **financial commitment** on behalf of the **Town**
 - 12 Council Recommendations in the F.P.S.M.P.
- **Operational Recommendations:**
 - Can be **administered** and **implemented** by the **Fire Chief** within his current authority
 - Some items may require additional documentation / reporting by the Fire Chief to Council
 - 34 Operational Recommendations in the F.P.S.M.P.

Strategic Priorities

Three strategic priorities provide a strategic framework to the delivery of fire protection service for the Town of LaSalle:

- i. use of a **Community Risk Assessment** to determine the **fire safety risks**
- ii. Optimization of the **first two lines of defence**, including **public education** and **fire prevention**, and the use of fire safety standards and fire code enforcement
- iii. Prioritization of **strategies that support the sustainability of fire protection and emergency services** that provide the most effective and efficient level of services resulting in the best value for the community.



Optimizing Fire Protection Services

New Ontario Regulation 378/18 Community Risk Assessment

9 Profiles:

- Geographic
- Building Stock
- Critical Infrastructure
- Demographics
- Hazards
- Public Safety Response
- Community Services
- Economic
- Past Loss Events

Three Lines of Defence

1st Public
Education and
Prevention

2nd Fire
Safety
Standards
and
Enforcement

3rd Emergency
Response

Legislative Compliance

Strategic Priorities for the Town of LaSalle

- ✓ Targeted public education programs
- ✓ Qualified/dedicated staff resources
- ✓ Program performance benchmarks

- ✓ Fire inspection cycles based on fire risk
- ✓ Enforcement Ontario Fire Code
- ✓ Objectives based to achieve compliance

- ✓ NFPA Pro-Qual Training Standards
- ✓ NFPA fire suppression benchmarks
- ✓ Resource deployment to fire risk present

Goals and Objectives

Enhance the First Two Lines of Defence:

- Proposed **schedules** for **fire inspections** and **public education programs**
- Strategy to implement the proposed **fire prevention/public education professional qualifications** for all staff delivering fire prevention/publication programs and services
- **Additional administrative / clerical support** for the **Fire Prevention / Public Education and Training Divisions**



Goal and Objectives

Initial Response (3rd Line of Defence):

- Recommended **performance benchmark** for **initial response** within the **defined urban area**: **4 firefighters arriving on scene within 4 minutes of travel time to 90% of incidents**
- **Six additional full-time firefighters** to support enhancing the **initial response**, and **related fire protection services** (Minimum staffing of 2 on-duty)
- Develop a **financial strategy** to **transition to a minimum staffing of four full-time firefighters on duty at all times as soon as fiscally possible**
- **Consult with the paid-on-call volunteer firefighters** in **developing and implementing an on call schedule**

Goal and Objectives

Depth of Response (3rd Line of Defence):

- Recommended **performance benchmark** for **depth of response** within the **Town: 10 firefighters arriving on scene with 10 minutes of turnout + travel time to 80% of incidents**
- **Transition to minimum full-time staffing of 2 on-duty firefighters** (then 4 on-duty)
- **Incremental hiring of 18 additional paid-on-call volunteer firefighters to support enhancing (& sustaining) the fire suppression services**

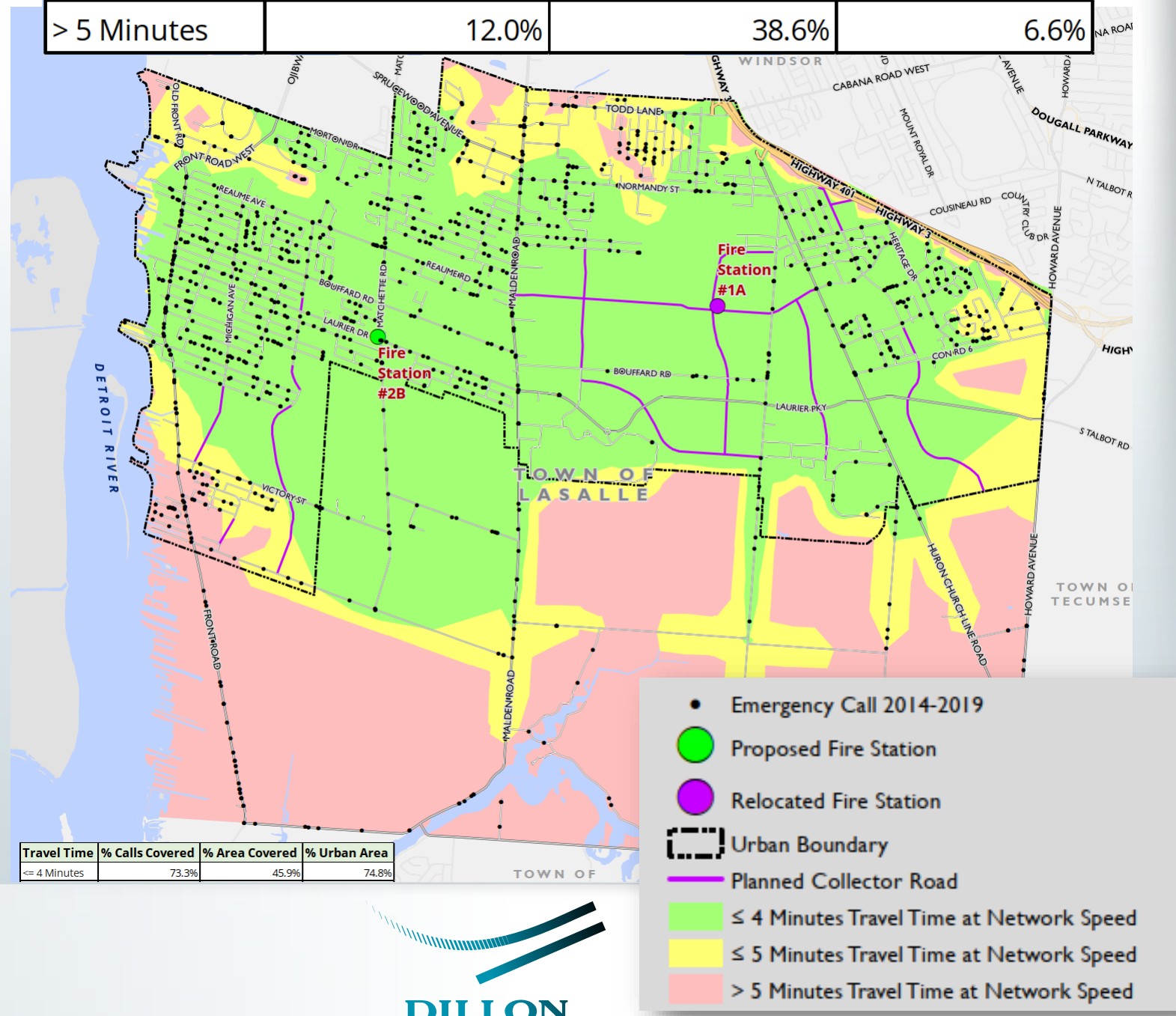


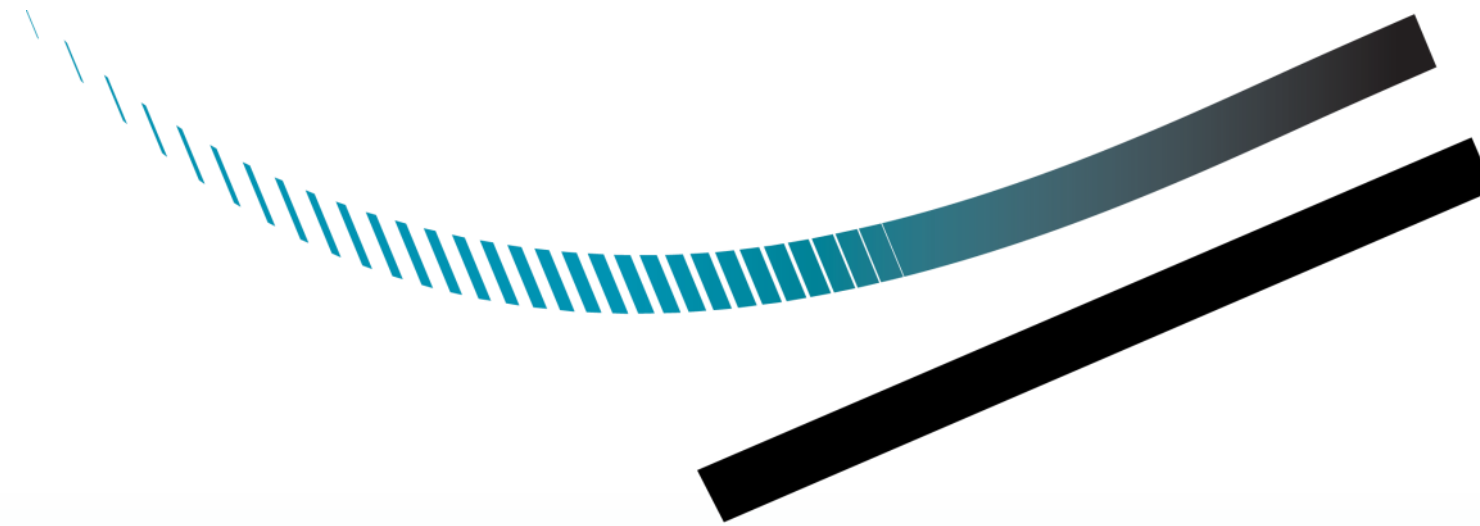
Fire Station Implementation Strategy

Transition to the **proposed Scenario #4 Fire Station Location model:**

- **Fire Station #2** located in area of **Matchette Road and Laurier Drive**
- **Future relocation of Fire Station #1** (Headquarters) to **Disputed Road** location (proposed development areas)
- Model **aligns** with station locations recommended in **2008 Fire Master Plan**

Travel Time	% Calls Covered	% Area Covered	% Urban Area
<= 4 Minutes	73.3%	45.9%	74.8%
<= 5 Minutes	88.0%	61.4%	93.4%
> 5 Minutes	12.0%	38.6%	6.6%





DILLON
CONSULTING

Questions