

December 15,
2014

Building Markham's Future Together

Master Fire Plan Update



Bill Snowball
Fire Chief

Towards a Sustainable Community

Master Fire Plan Update

- Master Fire Plan (MFP) completed in 2012
- Presented to Council in March 2012
- Implementation Plan approved in June 2012
- Fire Underwriters Survey (FUS) completed in 2013
- FUS report presented to Council in April 2014
- Both reports adopted by Council pending Annual Budget review



Master Fire Plan Update-FUS Findings

- FUS confirmed MFP findings:
 - Pre-fire planning program
 - Third aerial ladder
 - Additional crew at Cornell
 - Methodology Changed

1991 VS 2013

Station	1991			2013		
	DPG	PFPC	DPG	PFPC	DPG	PFPC
91	1	4	1	4	1	4
92	1	4	1	4	1	4
93	N/A	N/A	1	N/A	1	4
94	1	4	1	4	1	4
95	1	4	1	4	1	3
96	N/A	N/A	1	N/A	1	4
97	1	4	1	4	1	4
98	N/A	N/A	1	N/A	1	3
99	N/A	N/A	1	N/A	1	4



Master Fire Plan Update

The purpose of a Master Fire Plan is to assess current state of the fire service and identify future requirements based on growth.

- 42 recommendations
- 16 Completed
- 26 Underway

Key infrastructure requirements based on growth:

- Langstaff station
- Markham Centre station
- Training Centre
- Third Aerial



Master Fire Plan Update

Key Recommendations 2012-2020:

- Aerial ladder/crew at Cornell (2013)
- Additional Fire Prevention Officer (2015)
- Senior Fire Prevention Officer (2016)
- Additional Deputy Fire Chief (2016/17)
- New Mechanical Facility (Operations Master Plan)
- Langstaff and Markham Centre (2019 and 2017)

Objectives:

- Improve response time based on growth and built form
- Meet legislated standards
- Ensure consistent service levels for Fire Prevention and Public Education



Cornell 2nd Crew

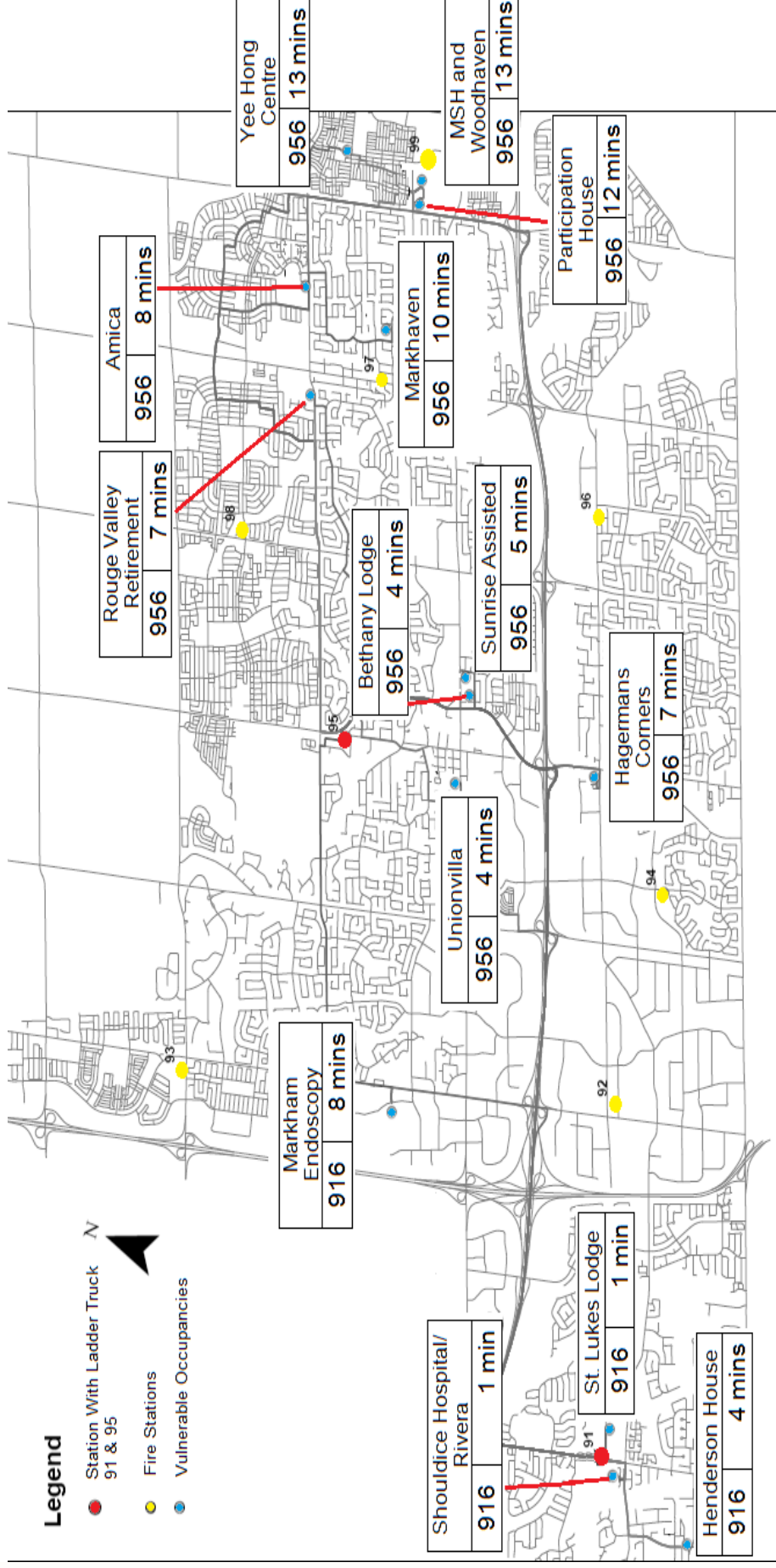
RATIONALE

- Depth of response (NFPA 1710)
- Improve Aerial response to East Markham
- Consistency of Response and eliminate identified deficiency (FUS – Aerial Ladder in East Markham)



Cornell 2nd Crew

Current Travel Times From 91/95 To Vulnerable Occupancies – 2 Ladder Trucks

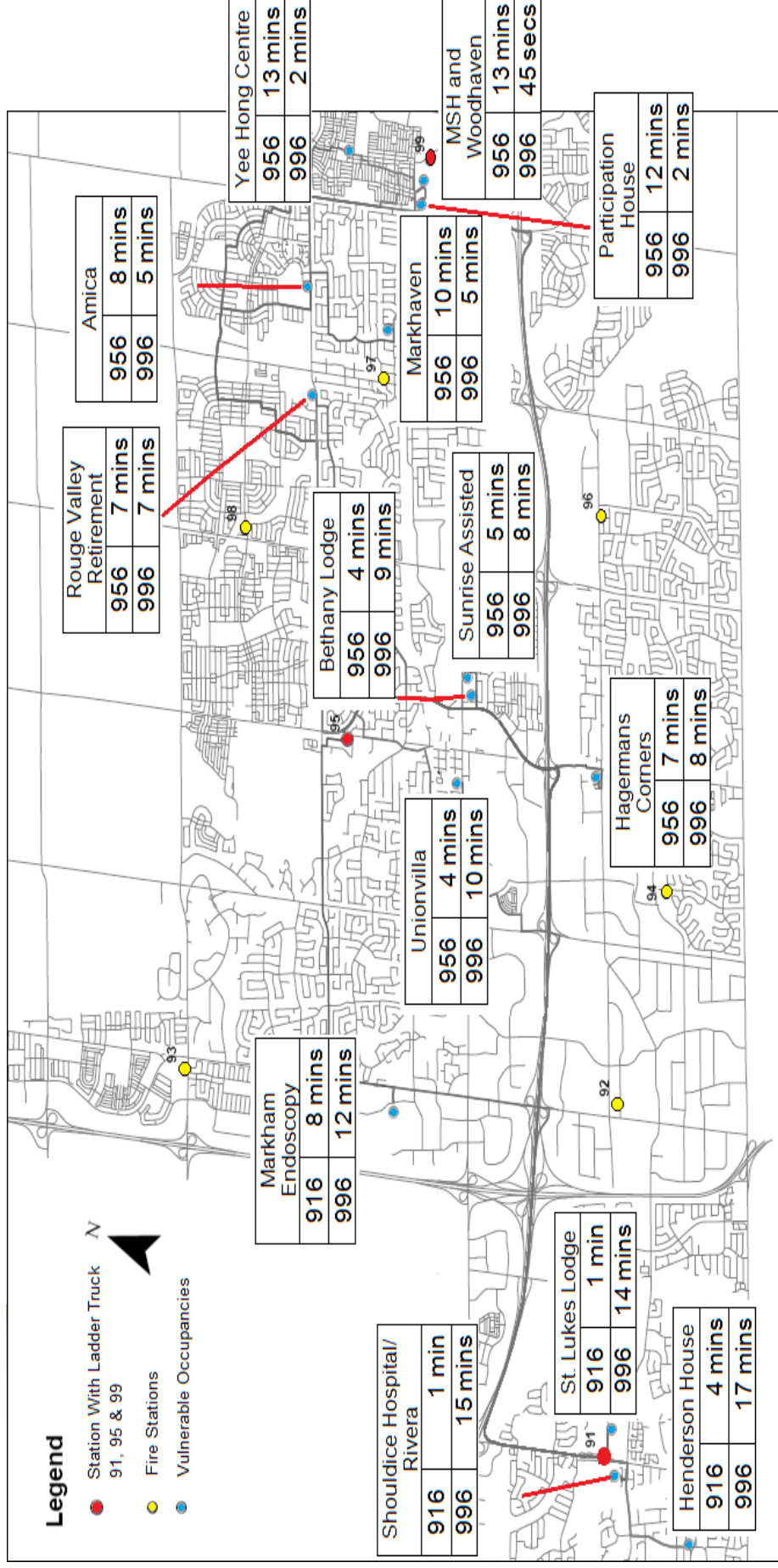


Building Markham's Future Together

Towards a Sustainable Community

Cornell 2nd Crew

Projected Travel Times From 91/95/99 To Vulnerable Occupancies – 3 Ladder Trucks



Building Markham's Future Together

Towards a Sustainable Community

Cornell 2nd Crew

PLANNING AND FINANCIAL

- Identified in all previous and current studies and reports
- Staffing identified, planned and included in “ramp up” of budget
- Apparatus, equipment & personal protection gear planned and included in DC Bylaw, 100% funded
- Salaries:
 - \$951,000 Year 1
 - \$1.72M Year 4
 - Plus Benefits



Cornell 2nd Crew

BENEFITS

- Improves efficiency of Aerial response
- Reduces response times for Aerial to Station areas including 96, 97 and 99
- Increases capacity of in service inspection, education and prevention programs
- Increases flexibility for training, community events and station coverage



Cornell 2nd Crew

BENEFITS

- Lower insurance premiums for residents and business
- Implement special response programs
- Staff planned and included in “ramp up in budget
- Apparatus planned and included in DC Bylaw



Cornell 2nd Crew

COMPARATORS

City/Town	Markham	Vaughan	Richmond Hill	Brampton
# of Stations	9	10	6	12 (13 Aug. 14)
# of Suppression Staff	240	266	140	390
Population	320,000	320,000	200,000	600,000
# of Aerials	2	3	1	5
Stand alone or with a pumper	In station with a pumper	In stations with Pumpers	Stand Alone	3 Standalone, 2 in station with a pumper

Master Fire Plan Update

Questions

