



MAIN STREET MARKHAM

Highway 407 to Future Donald Cousens Parkway

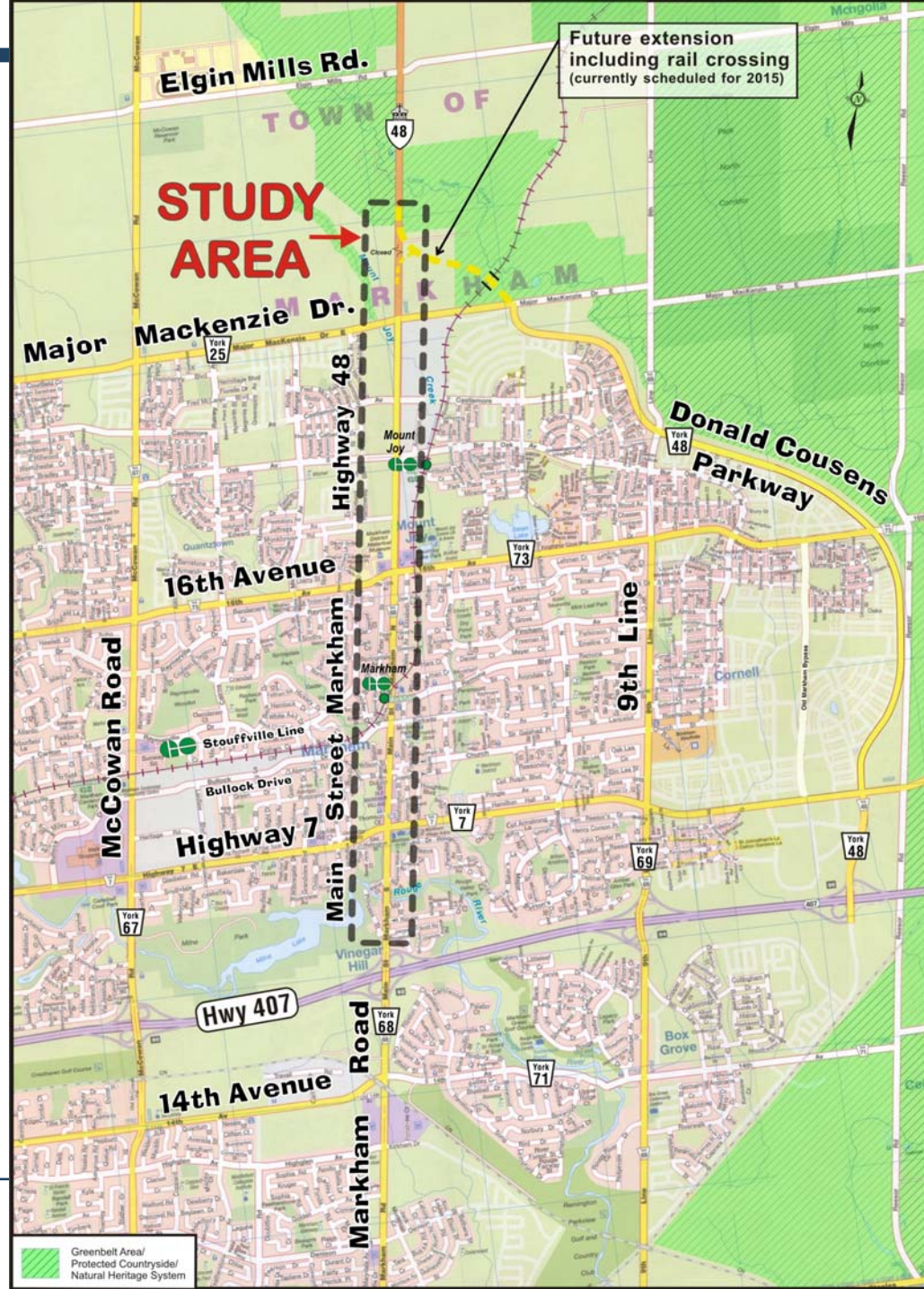
Class EA Study

Project Update

Development Services Committee

October 28, 2008

- Council Authorization
 - December 2007
- Consultant Retained
 - January 2008
- Advisory Group
 - Initiated May 2008
 - Three Meetings to-date
 - Councillor, Carolina Moretti, Ward 4
 - Councillor, John Webster, Ward 5



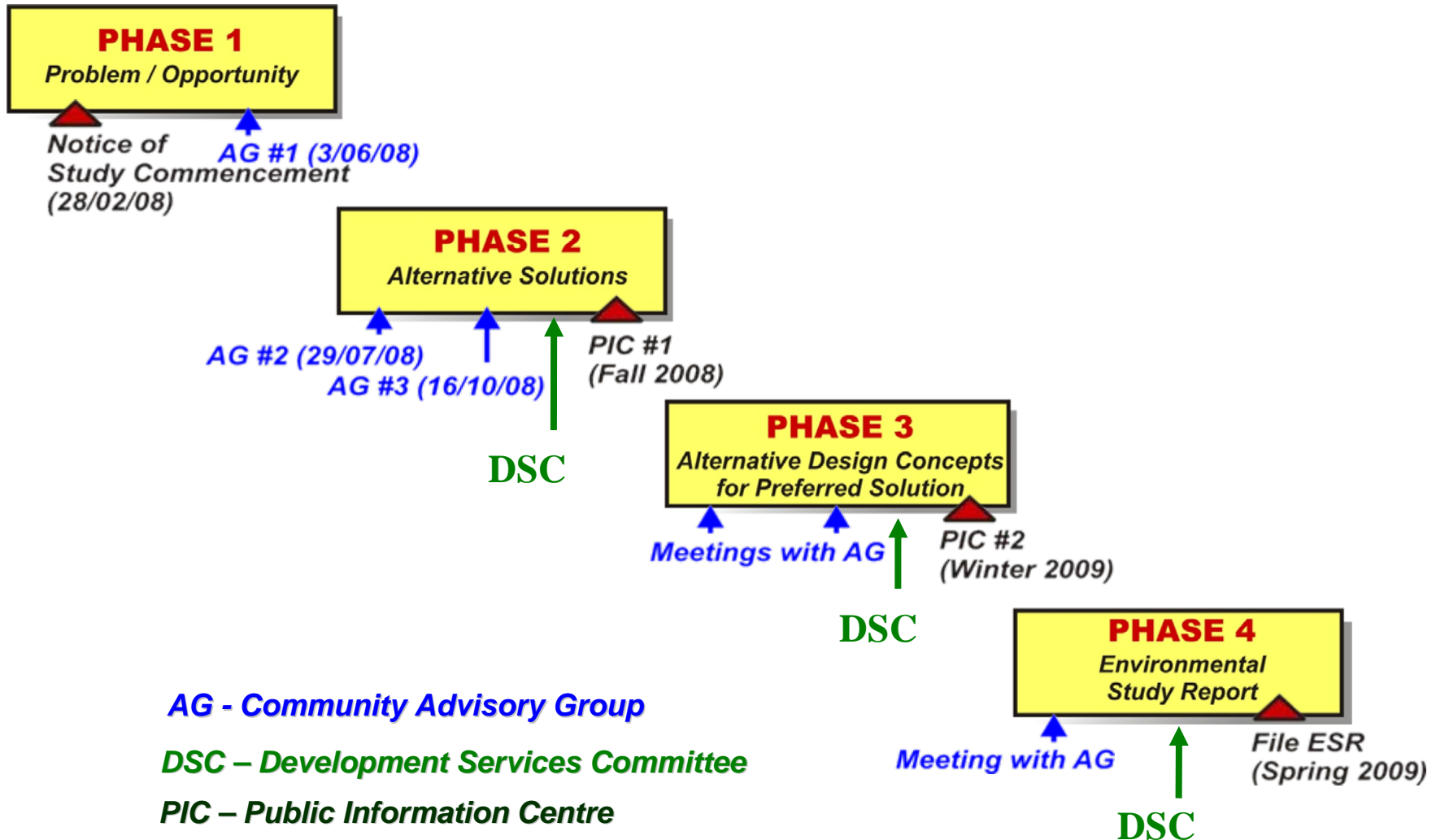
Advisory Group

- Heritage Markham
- Old Markham Village Ratepayers Inc.
- Markham District Historical Museum Board
- Markham Village BIA
- Markham Village Conservancy
- Main Street Markham Committee
- Vinegar Hill Ratepayers Association
- Raymerville Ratepayers Association
- Greensborough Ratepayers Association
- Boyington Heights Ratepayers Association
- Wismer Ratepayers Association
- Friends of the Rouge Watershed
- Rouge River Restoration Committee
- Rouge Valley Naturalists
- Councillor Carolina Moretti, Ward 4
- Councillor John Webster, Ward 5

Advisory Group Activities

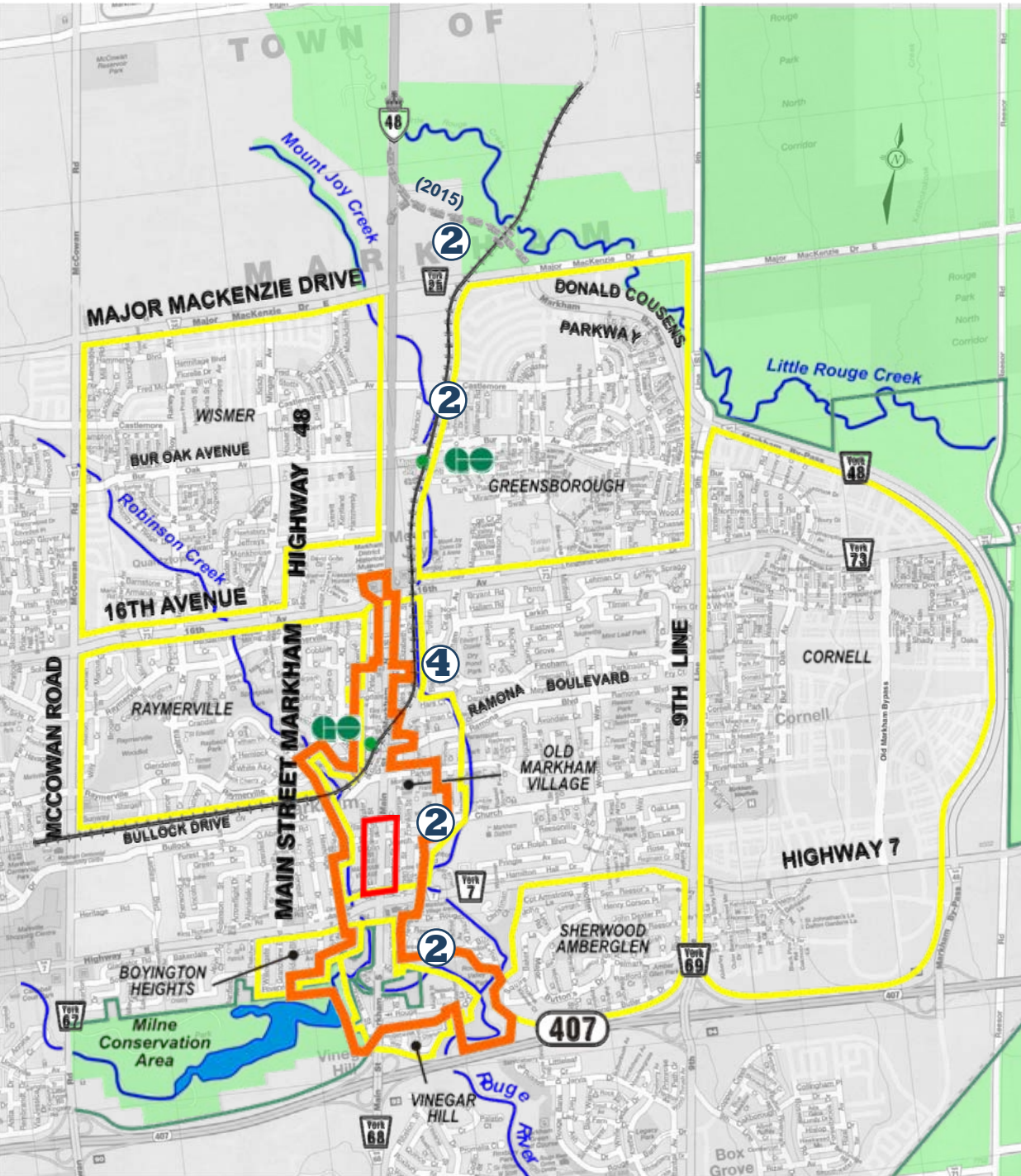
- Review of Past Studies and Consultation
- Development of rating Criteria for road options
- Establishment of Alternatives

Consultation Process



Problem / Opportunity Statement

To address existing and future needs for Main Street Markham to enhance community character, support commercial activities, respect and protect heritage, social and environmental features, and address transportation needs within the study area.



KEY CONSIDERATIONS

LEGEND

-  Heritage Conservation District
-  Residential Communities
-  Business Improvement Area
-  Greenbelt Area/
Protected Countryside/
Natural Heritage
-  Rouge Park
-  Rouge River/
Creeks
-  No. of Existing Lanes

Alternatives Development

- *The range of alternatives were developed to build on the “status quo” or do nothing alternative.*
- *All alternatives will include a range of streetscape and urban design components to compliment the areas.*

PRELIMINARY FACTORS FOR ANALYSIS

LAND USE

- effects to existing land use
- effects to future land use

SOCIAL ENVIRONMENT

- overall effects on residential communities
- effects on adjacent properties:
 - property requirements
 - access
- noise levels
- provision for pedestrians
- provision for cyclists
- recreational facilities

CULTURAL ENVIRONMENT

- Markham Village-Heritage Conservation
- District (HCD)
- built heritage resources
- cultural heritage landscapes
- archaeological resources

NATURAL ENVIRONMENT

- vegetation & flora
- aquatic resources
- wildlife
- policy areas (Greenbelt Plan, Rouge North Management Plan, etc)
- stormwater management
- Rouge River, Mount Joy Creek

ECONOMIC ENVIRONMENT

- Main Street Markham BIA
- other businesses
- on-street parking

TRANSPORTATION

- relationship to Transportation Master Plan
- traffic operations (existing & future conditions)
- minimize through traffic on Main Street
- minimize traffic on N-S local roads adjacent to Main St.
- ability to accommodate existing/future traffic demands
- access to GO Stations
- transit opportunities
- emergency services

STREETSCAPING/URBAN DESIGN

- opportunities for streetscaping/urban design
- entrance features to HCD

PRELIMINARY COST ESTIMATE

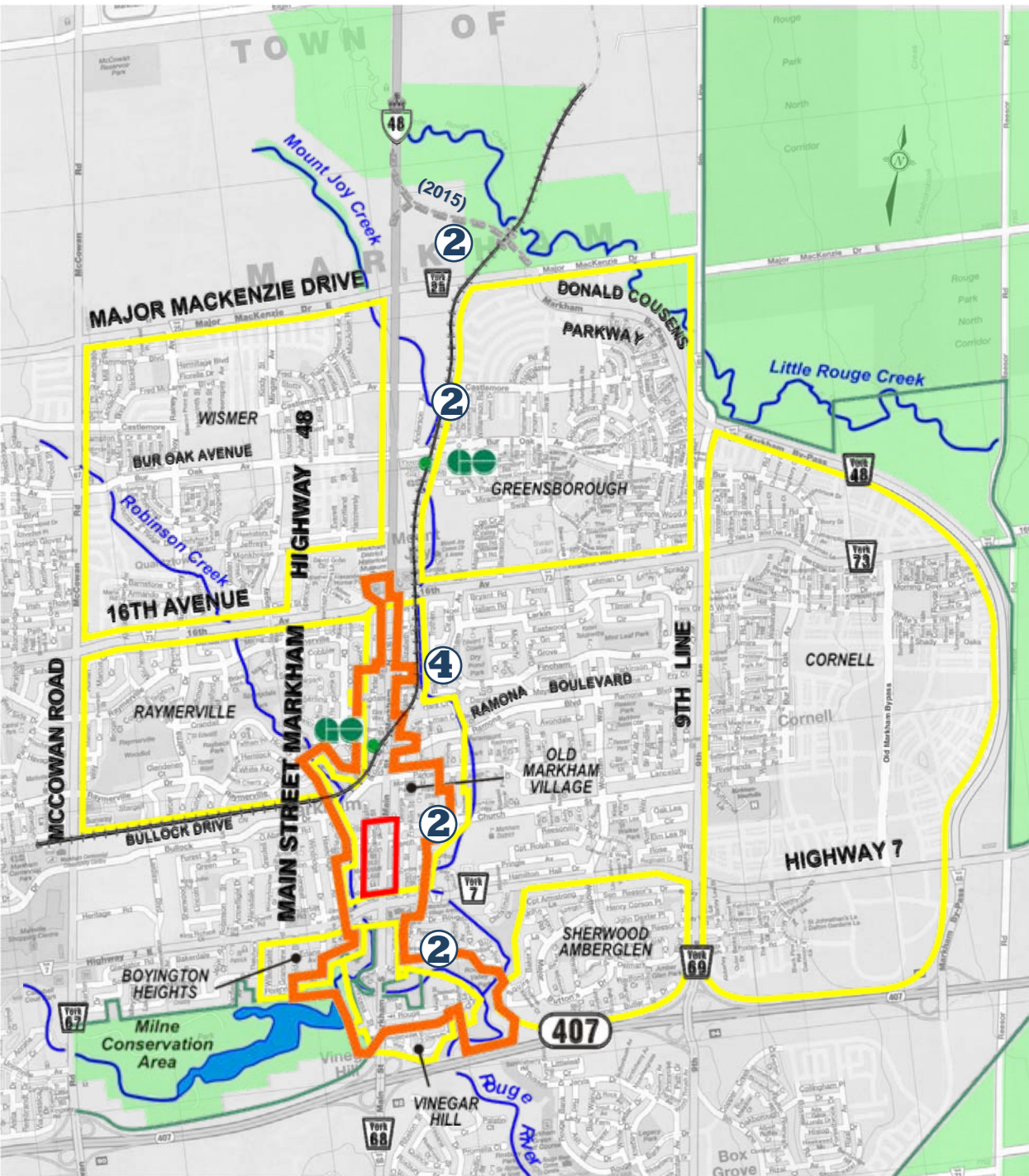
- roadway
- structure (Rouge River)
- utility relocation
- property requirements

RELATIONSHIP TO “VISION” FOR MAIN STREET MARKHAM

- “Vision”
- 2003 Study

Evaluation Table

ANALYSIS FACTORS	ALTERNATIVES FOR MSM						
	A	B	C	D	E	F	G ?
Land Use							
Social Environment							
Cultural Environment							
Natural Environment							
Economic Environment							
Transportation							
Streetscaping/ Urban Design							
Preliminary Cost Estimate							
Relationship to Vision for MSM							
.....							



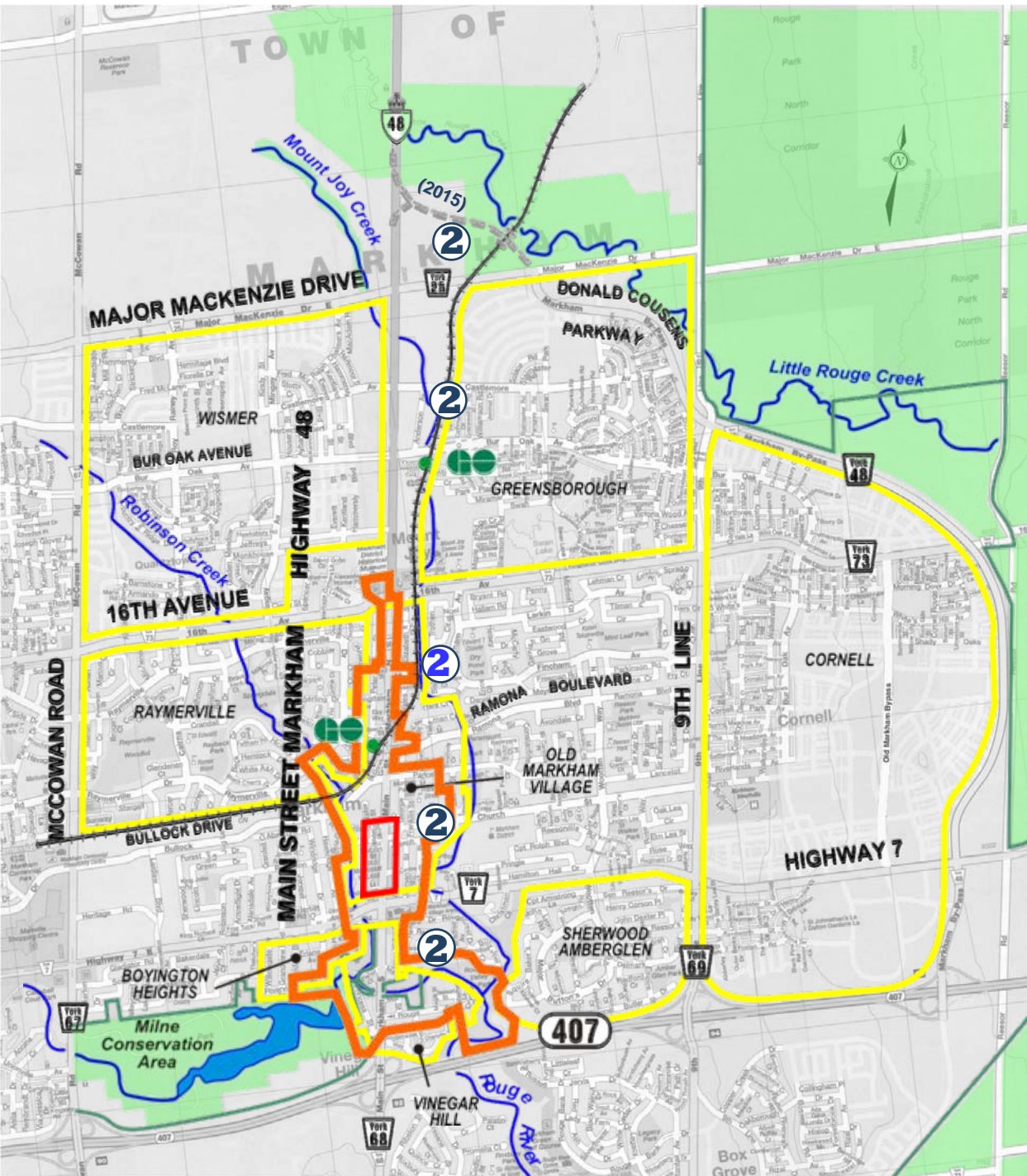
ALTERNATIVE

A

DO NOTHING

- no changes to Main Street Markham
- no streetscaping/urban design
- no intersection improvements

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ALTERNATIVE B

- streetscaping/urban design features for full corridor
(details to be addressed during next stage)
- intersection improvements at 16th Ave. and Hwy. 7
- 2 lanes - Hwy. 407 to future Donald Cousens Pkwy.

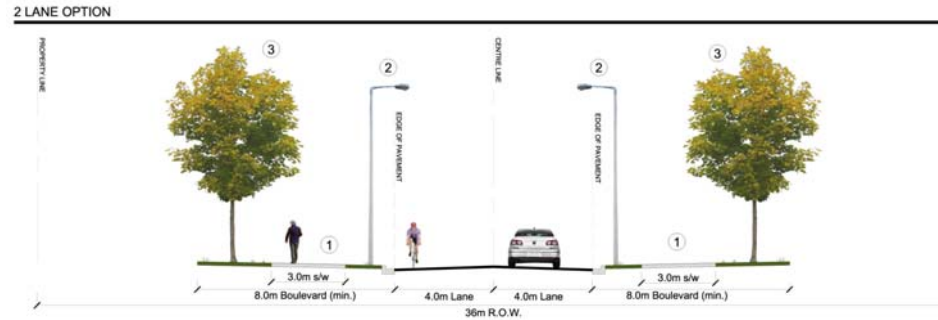
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ALTERNATIVE B - TYPICAL SECTIONS

WEST

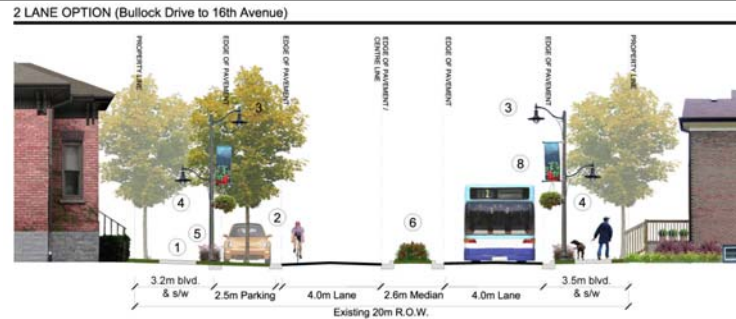
EAST

16th Ave.



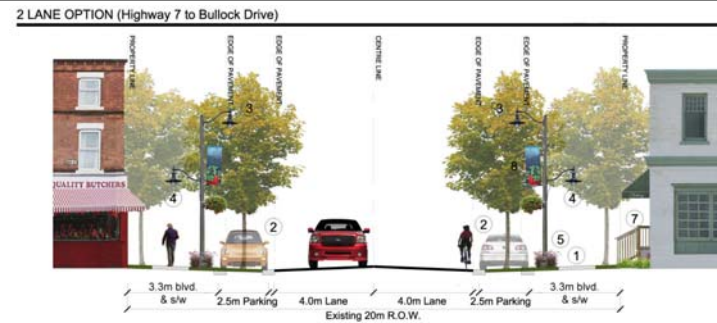
- ① 3.0m Sidewalk
- ② Standard Lighting Fixtures
- ③ Street Trees
- ④ Street Trees and Planting Beds in Centre Median

Bullock Dr.

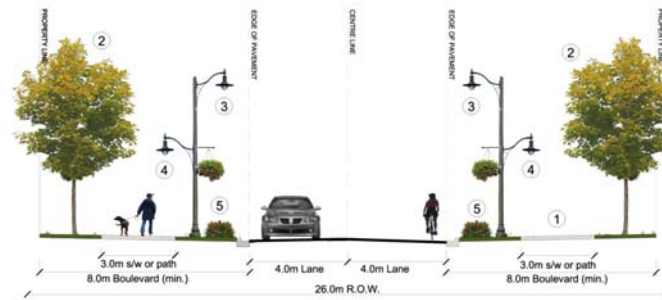


- ① Sidewalk
- ② On-street Parking with Landscape Islands or 'Bump-outs'
- ③ Decorative Lighting Fixtures
- ④ Pedestrian Level Lighting
- ⑤ Planting Bed in Boulevard
- ⑥ Planting Bed in Median
- ⑦ Store Fronts of Heritage Buildings
- ⑧ Enhanced Streetscaping Feature to Compliment Heritage Features of Main Street Markham

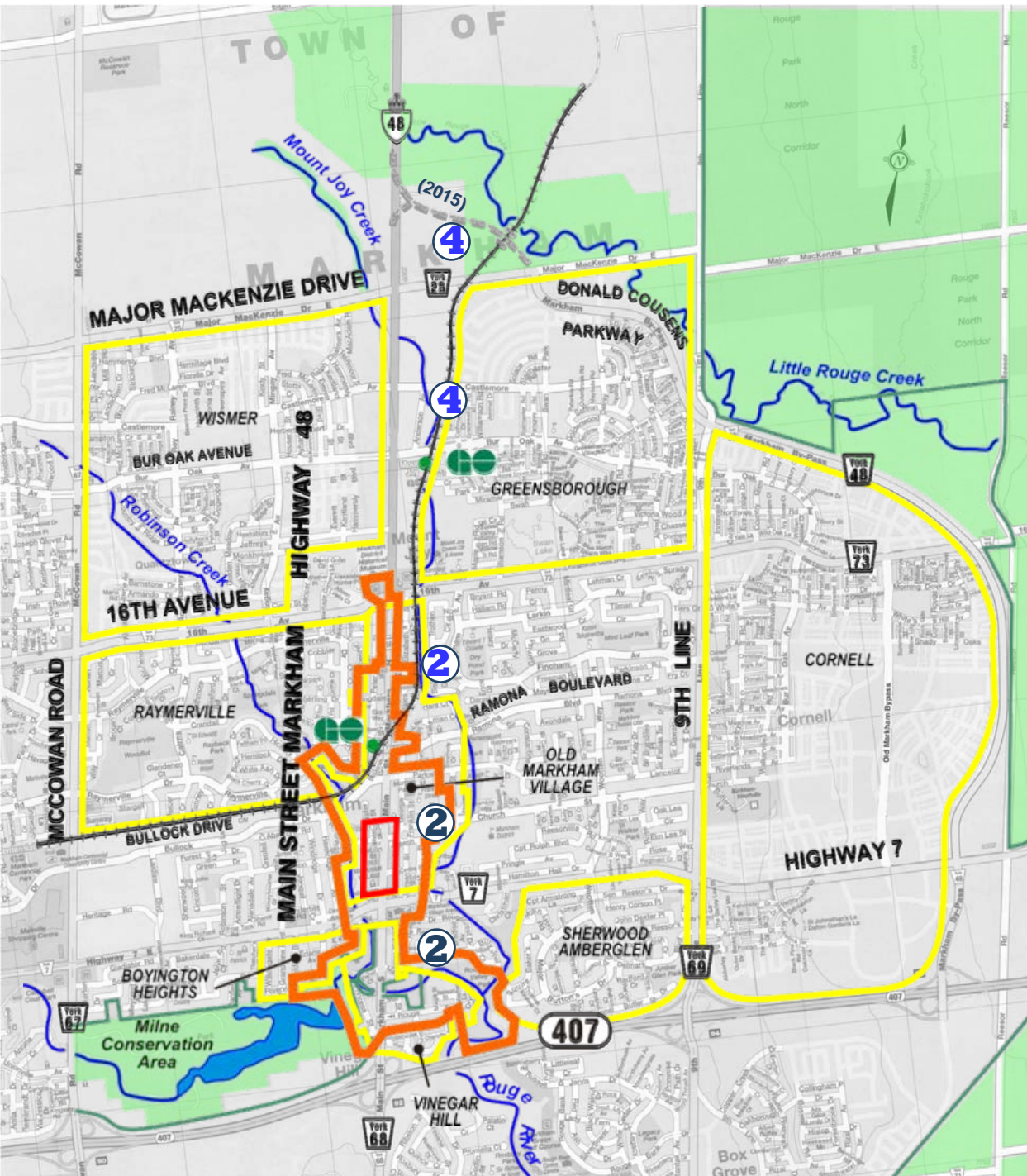
Hwy. 7



2 LANE OPTION



- ① Sidewalk
- ② Street Tree
- ③ Decorative Lighting Fixtures
- ④ Pedestrian Level Lighting
- ⑤ Planting Bed in Boulevard



ALTERNATIVE

C

- streetscaping/urban design features for full corridor
(details to be addressed during next stage)
- Intersection improvements at 16th Ave. and Hwy. 7
- 2 lanes - Hwy. 407 to 16th Ave.
- 4 lanes - north of 16th Ave. to future Donald Cousens Pkwy.

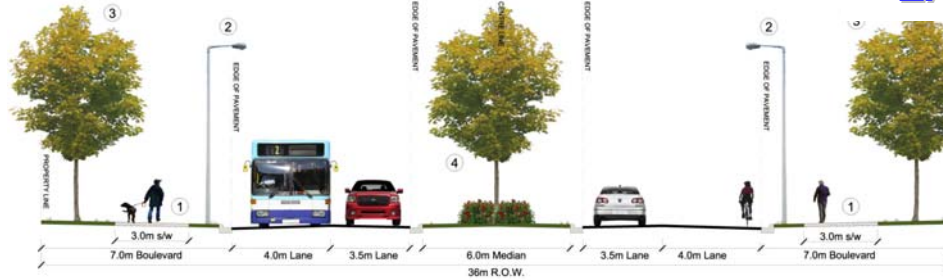
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ALTERNATIVE C - TYPICAL SECTIONS

WEST

EAST

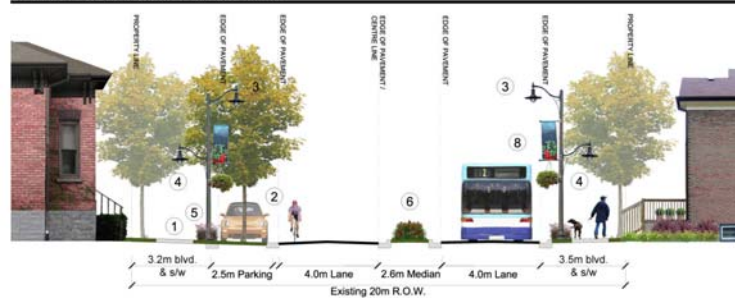
4 LANE OPTION



- ① 3.0m Sidewalk
- ② Standard Lighting Fixtures
- ③ Street Trees
- ④ Street Trees and Planting Beds in Centre Median

16th Ave.

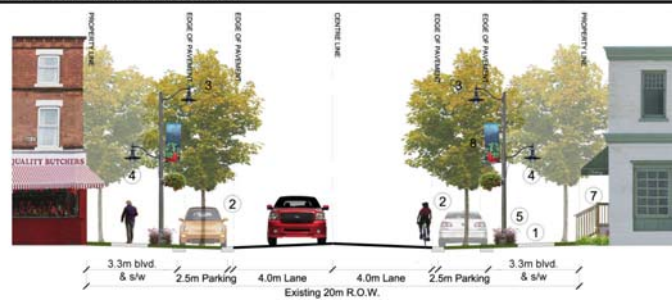
2 LANE OPTION (Bullock Drive to 16th Avenue)



- ① Sidewalk
- ② On-street Parking with Landscape Islands or 'Bump-outs'
- ③ Decorative Lighting Fixtures
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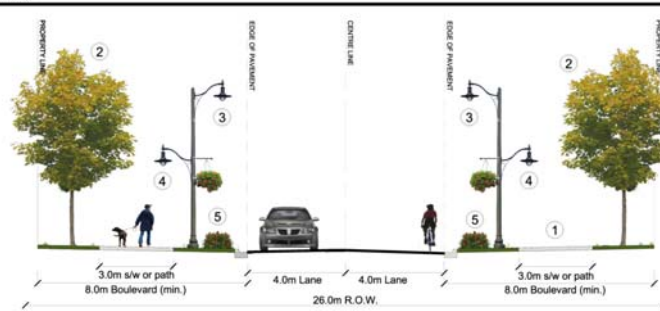
Bullock Dr.

2 LANE OPTION (Highway 7 to Bullock Drive)

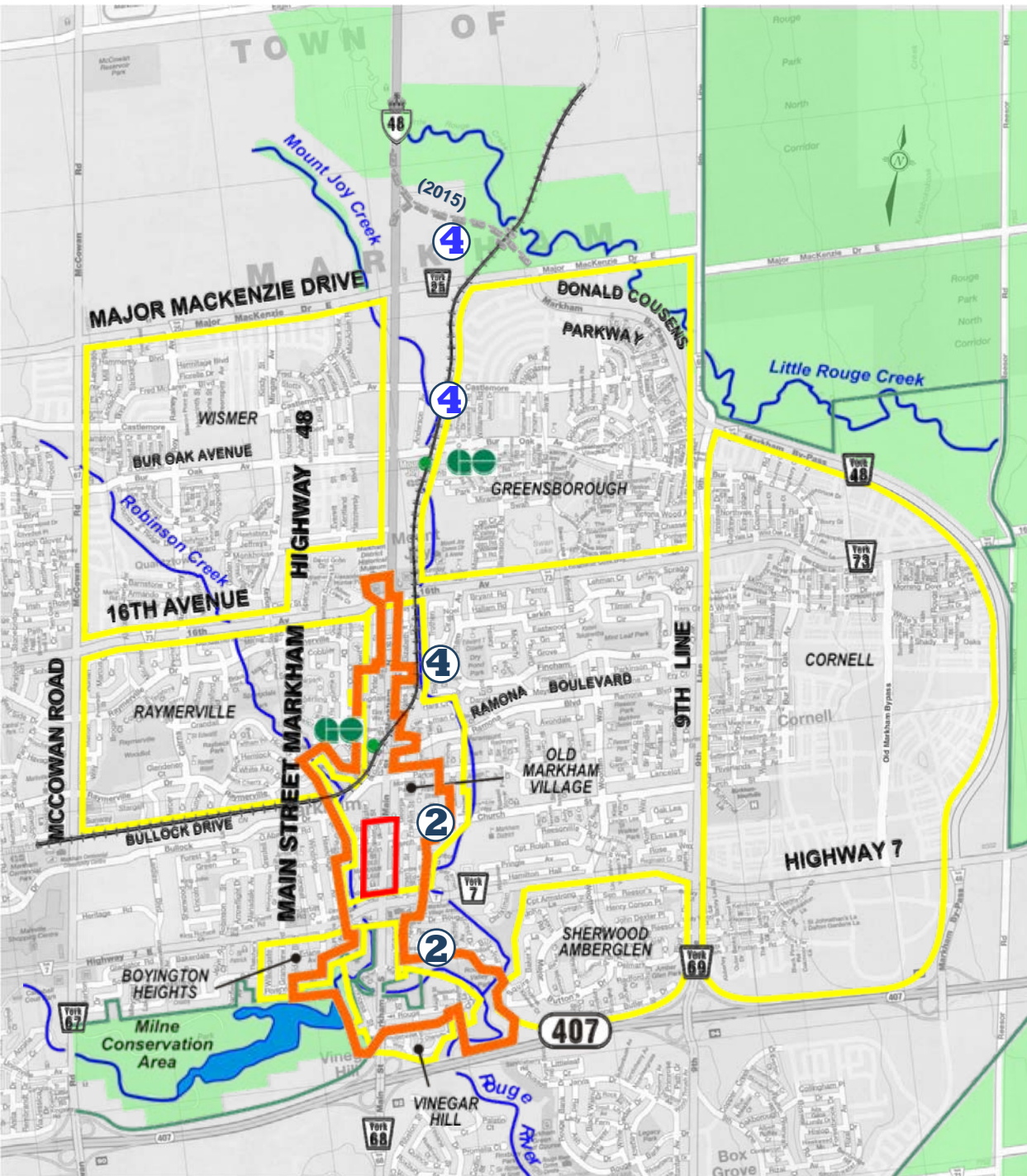


Hwy. 7

2 LANE OPTION



- ① Sidewalk
- ② Street Tree
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ALTERNATIVE D

- streetscaping/urban design features for full corridor
(details to be addressed during next stage)
- intersection improvements at 16th Ave. and Hwy. 7)
- 2 lanes - Hwy. 407 to Bullock Dr.
- 4 lanes - north of Bullock Dr. to future Donald Cousens Parkway

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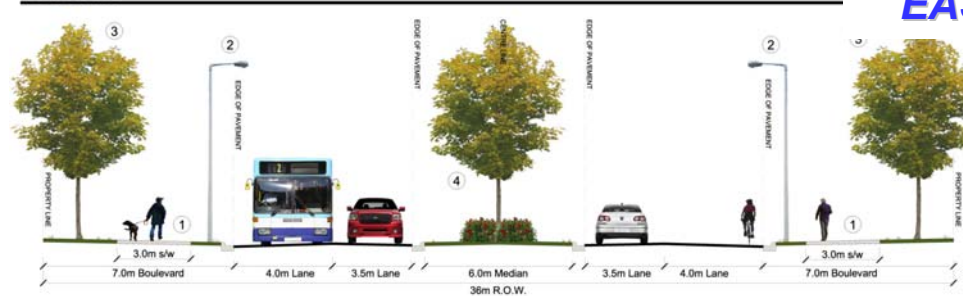
ALTERNATIVE D - TYPICAL SECTIONS

WEST

EAST

16th Ave.

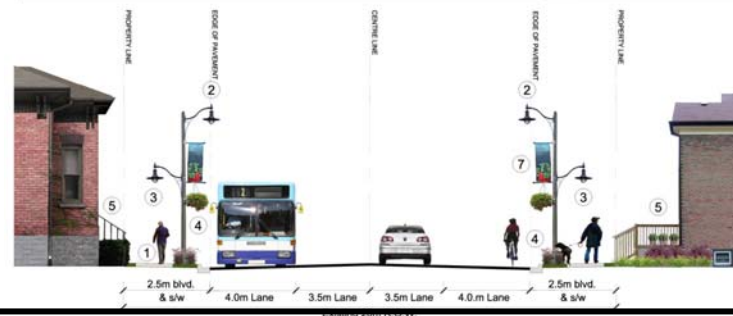
4 LANE OPTION



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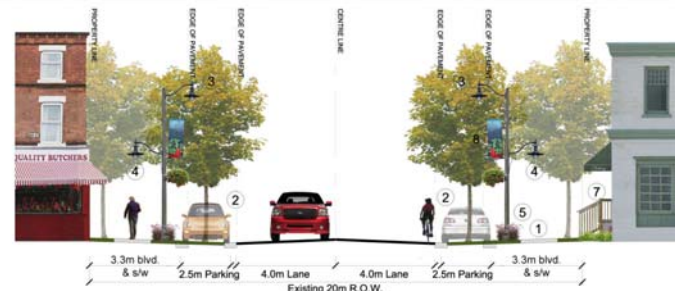
4 LANE OPTION



- ① Sidewalk
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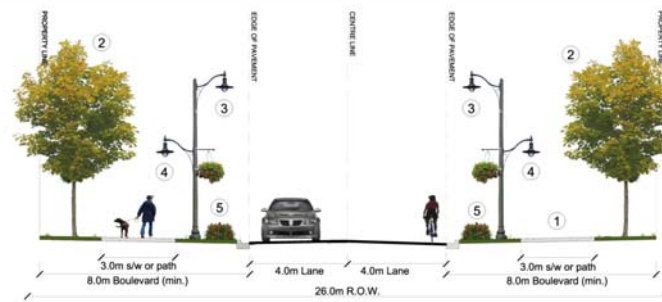
Hwy. 7

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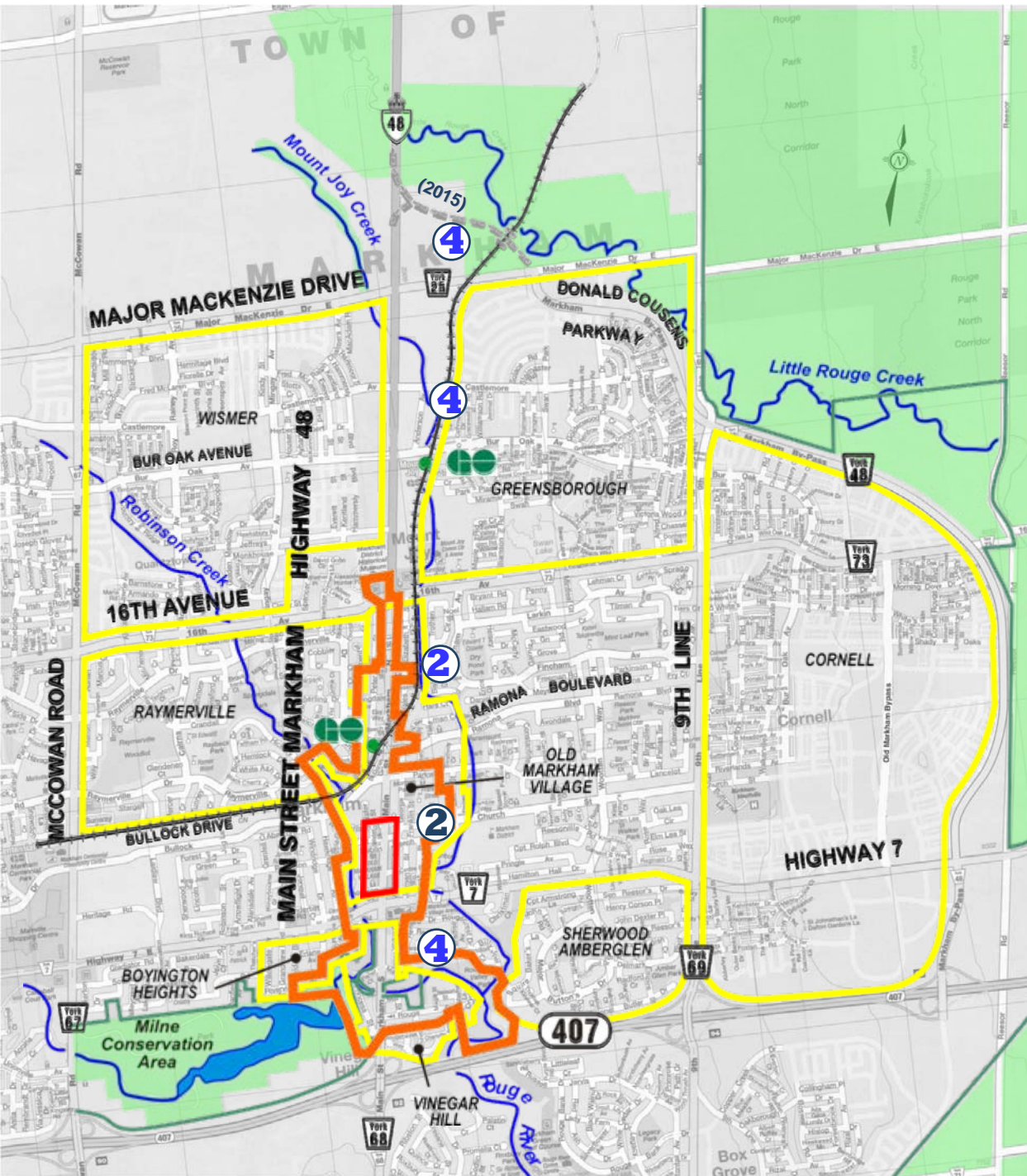


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2 LANE OPTION



- ① Sidewalk
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- ⑤ Planting Bed in Boulevard



ALTERNATIVE E

- streetscaping/urban design features for full corridor (details to be addressed during next stage)
- intersection improvements at 16th Ave. and Hwy. 7)
- 2 lanes - Hwy. 7 to 16th Ave.
- 4 lanes - Hwy. 407 to Hwy. 7 and north of 16th Ave. to future Donald Cousens Parkway

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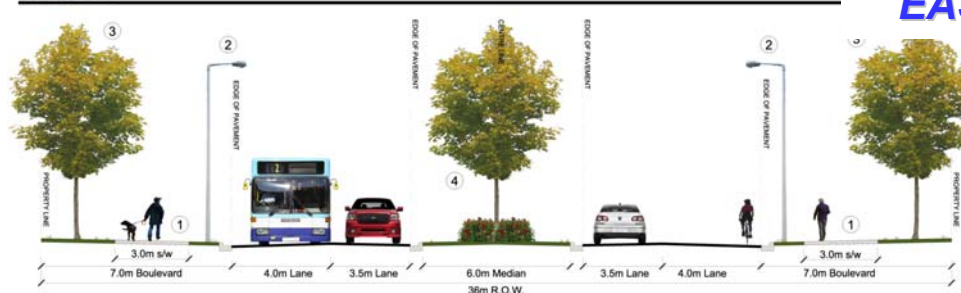
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EAST

16th Ave.

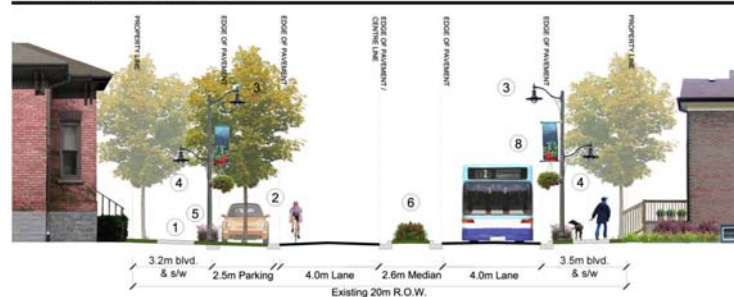
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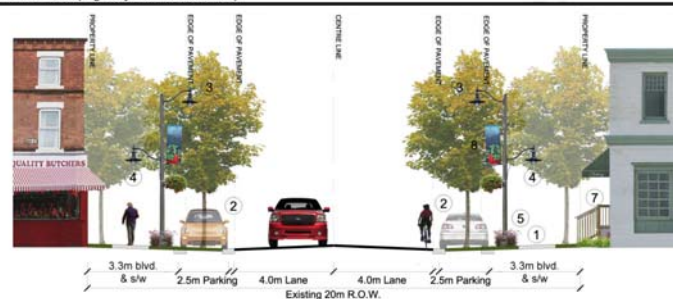
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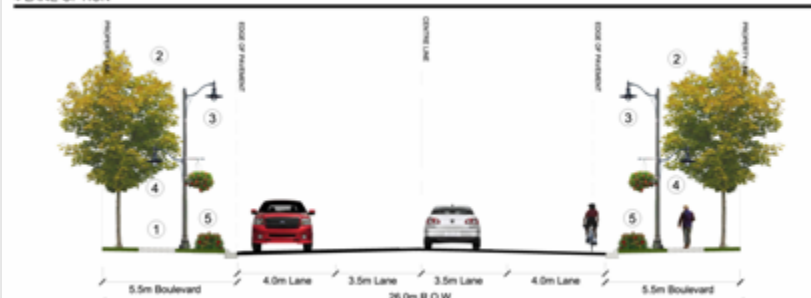
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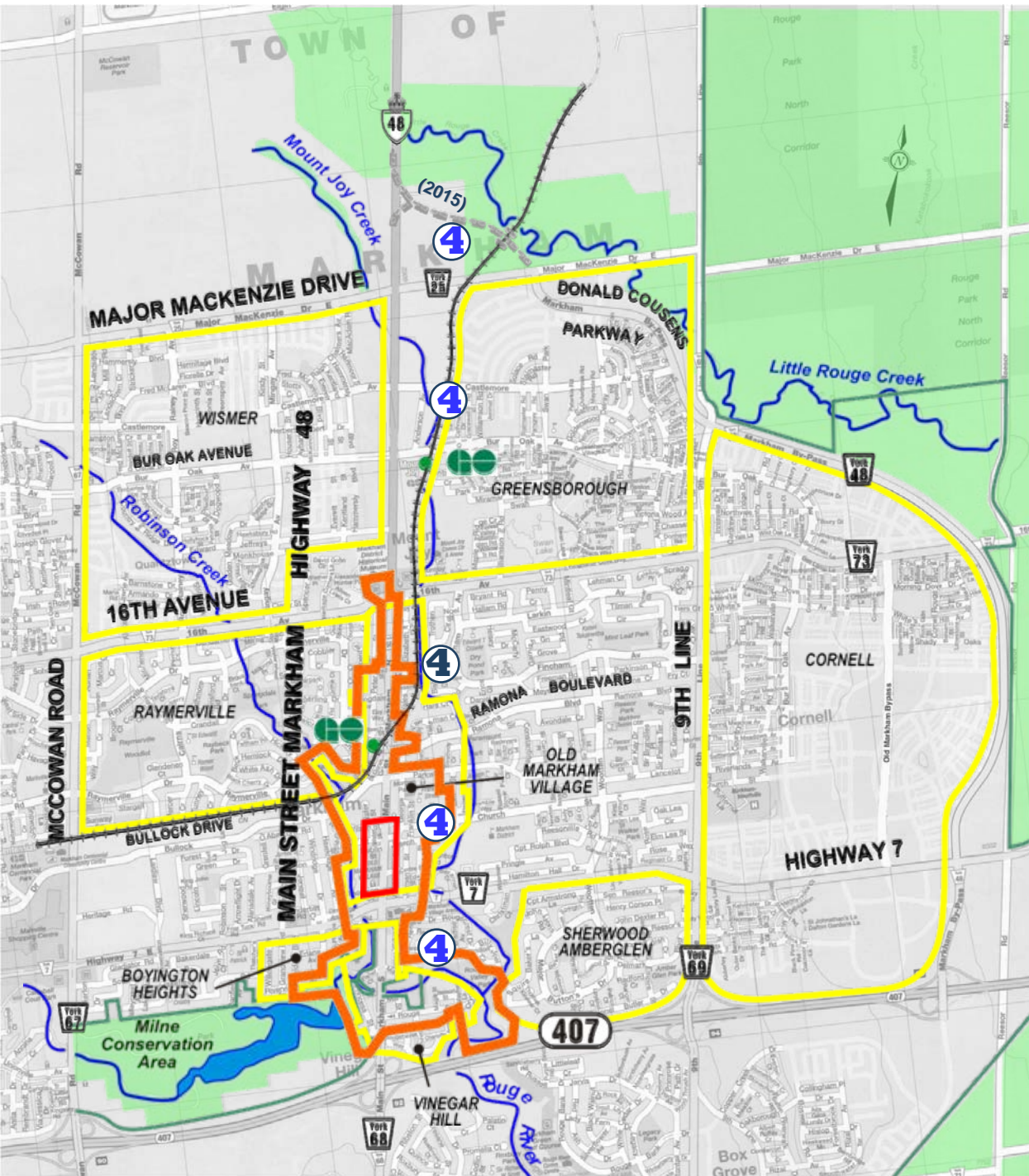
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ALTERNATIVE F

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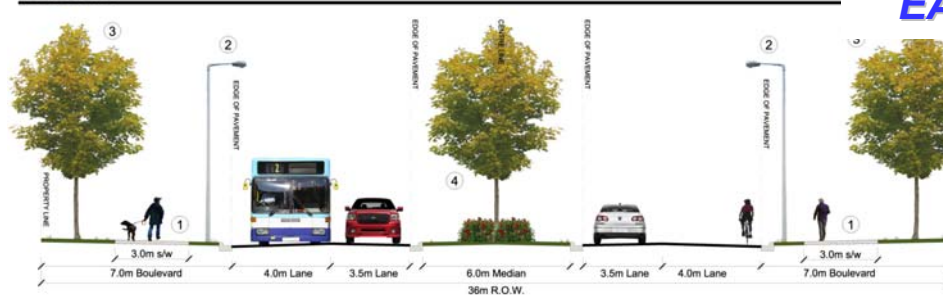
ALTERNATIVE F-TYPICAL SECTIONS

WEST

EAST

16th Ave.

4 LANE OPTION



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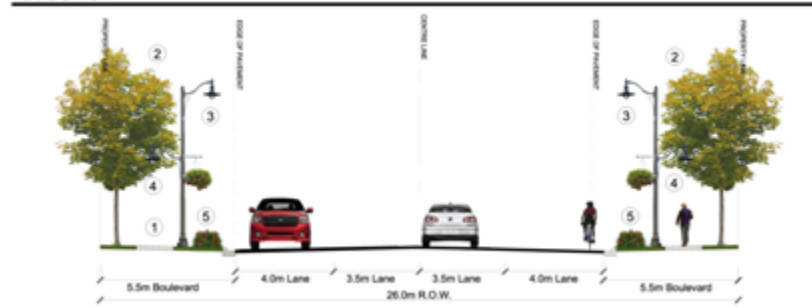
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Hwy. 7

4 LANE OPTION



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- ⑤ Planting Bed in Boulevard

NEXT STEPS

- PIC No. 1 (Tentative details)
 - Location: St. Andrew United Church; 32 Main Street
 - Date: Wednesday Nov 26th
 - Format: Open House / Presentation / Q &A
 - Advertise: Notice in Paper; Website; Hand Delivered
- Evaluation of alternatives based on comments received at PIC No. 1.
- Further Consultation and evaluation of options with AG (No. 4), Public, Stakeholders & Technical Agencies
- Present preferred option to Development Services Committee (winter 2009) before PIC #2

Discussion / Comments

?