

Warden Avenue and Kennedy Road Environmental Assessment Studies between Major Mackenzie Drive and Elgin Mills Road in the City of Markham

The Regional Municipality of York 17250 Yonge Street Newmarket ON L3Y 6Z1



Warden Avenue and Kennedy Road Environmental Assessment Studies between Major Mackenzie Drive and Elgin Mills Road in the City of Markham

The Regional Municipality of York 17250 Yonge Street Newmarket ON L3Y 6Z1

R.J. Burnside & Associates Limited 292 Speedvale Avenue West Suite 20 Guelph ON N1H 1C4 CANADA

May 2023 300052314.0000



Distribution List

No. of Hard Copies	PDF	Email	Organization Name
-	Yes	Yes	The Regional Municipality of York

Record of Revisions

Revision	Date	Description
-	March 6, 2023	Draft Submission
-	April 6, 2023	Final Submission
1	May 8, 2023	Revised Final Submission

R.J. Burnside & Associates Limited

Report Prepared By:

Deanna De Forest, B.Sc. EP Senior Environmental Coordinator DDF:tm

Report Reviewed By:

Vandermeer

Jennifer Vandermeer, P.Eng. Project Manager JV:tm

Table of Contents

1.0	Introduction and Background	1
2.0	Method of Notification	2
3.0	Public Meeting Format	3
4.0	Participation	4
5.0	Summary of Comments Received	5
6.0	Next Steps	12

Tables

Table 5.1:	Participant	Comments and	Response by	^r Theme 5	;
------------	-------------	--------------	-------------	----------------------	---

Appendices

Appendix A Newspaper Advertisement Appendix B Display Boards Presentation Appendix C Comments

1.0 Introduction and Background

The Regional Municipality of York (York Region) is conducting Schedule C Municipal Class Environmental Assessment (Class EA) Studies in the City of Markham for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road. These studies build on the recommendations from York Region's approved 2016 Transportation Master Plan (TMP) and examines how to complete the identified road and active transportation improvements while lessening environmental impacts.

The 2016 TMP recommended the widening of Warden Avenue and Kennedy Road to four lanes, constructed to an urban arterial standard including curb and gutter, active transportation, streetscaping, and transit. The recommendations were based on the forecasted traffic volumes, which meet the threshold for a four-lane widening. The recommendations of the 2016 TMP for Warden Avenue and Kennedy Road were reconfirmed as part of the current Class EA.

The road improvement planning is being carried out in accordance with the Schedule C requirements (Phases 1 to 4) of the Municipal Engineers Association Municipal Class Environmental Assessment document (October 2000, as amended in 2007, 2011, and 2015), which is approved under the *Ontario Environmental Assessment Act*.

A key component of the studies include consultation with members of the public and stakeholders. This summary report documents the second Online Open House hosted on York Region's website (<u>www.york.ca/WardenKennedyStudy</u>) from November 25, 2022 to January 13, 2023 and summarizes the notification process, information presented, and comments received during the comment period.

2.0 Method of Notification

Details of the date and purpose of the second Online Open House were published in the Markham Economist and Sun on November 10, 2022 and November 17, 2022 promoted through a digital advertising campaign with StarMetroland Media from November 10, 2022 to January 13, 2023 and posted on York Region's website. In addition, roadside signs were placed on Warden Avenue and Kennedy Road in both directions, advertising the Online Open House. A copy of the advertisement is provided in Appendix A. Notification of the Online Open House was also mailed and emailed to regulatory agencies, municipalities, Indigenous communities, businesses, and local residents who live within the Study Area.

3.0 Public Meeting Format

To limit social interactions to reduce community spread of the COVID-19 virus and be consistent with the format of the first Online Open House, the second Online Open House was hosted virtually. The Online Open House included a presentation video with recorded commentary posted on York Region's website for the public to view or download anytime during the open house comment period from November 25, 2022 to January 13, 2023. Presentation materials described the project, the study process and planning context, alternative design concepts, feedback received from the Online Open House No. 1, an evaluation of the alternative design concepts leading to the preferred design concepts and identified next steps in the process. A copy of the presentation is provided in Appendix B. Opportunity for the public to provide feedback was made available through an online comment form and by contacting the Project Team with written comments.

The online comment form provided participants the opportunity to provide input into the Studies and asked participants the following questions:

- 1. I am interested in this study because: (select one or more)
- Local resident;
- Own a development property;
- Own commercial / industrial property;
- General interest, and;
- Other.
- 2. How do you currently travel in this area? (select one or more)
- Drive (motor vehicle);
- Cycle;
- Walk;
- Transit (bus), and;
- Other.
- 3. Please provide comments on the recommended design concept for Warden Avenue in the Study Area.
- Please provide comments on the recommended design concept for Kennedy Road in the Study Area
- 5. Please provide any additional comments, questions, or suggestions you would like the Study Team to consider.

4.0 Participation

Online comment forms were received from four members of the public through York Region's website during the open house comment period (Appendix C). The Region also received comments on the project during the open house comment period from the City of Markham. A summary of the comments received from participants and responses provided by the Study Team is documented in the following section.

Where identified on the online comment forms, three of the four public participants indicated interest in the project as a local resident, with one participant indicating a general interest in the project and an interest in active transportation as a member of the Cycling and Pedestrian Advisory Committee.

All four public participants travel in the area by motor vehicle. One participant noted driving, cycling, walking, and riding public transit (bus) in the Study Areas.

5.0 Summary of Comments Received

This section provides an overview of the feedback received from participants during the open house comment period. Comments are reviewed to provide an understanding of stakeholder interests and opinions and feedback in the evaluation of the preferred design concept.

A summary of comments received during the second Online Open House comment period is provided in Table 5.1 under key themes, including:

- Boulevard plantings;
- Pedestrian crossings;
- Low Impact Development (LID);
- Active transportation, and;
- Other.

Table 5.1: Participant Comments and Response by Theme

Comment	Response
Boulevard Plantings	
Provide double rows of boulevard trees wherever possible. Trees are recommended to be planted 8 m to 12 m apart (10 m is preferred). Maintain a consistent planting distance wherever possible.	Acknowledged. Boulevard trees are to be planted at regular intervals set back from the curb or other concrete surface (e.g., sidewalk); planting trees closer to concrete surfaces will cause the roots to buckle these surfaces as the trees mature. Therefore, spacing for tree planting is limited to the planted boulevard area, based on a single row of trees.
Indicate aboveground utilities such as hydro poles, light poles, and fire hydrants on the plans as they may impact tree locations.	Acknowledged. Aboveground utilities will be included on the preliminary design plans prepared as part of the EA.
Low Impact Development (LID)	
Show locations of box trenches and bioswales on the roll plans and provide typical streetscape section(s) for review.	The proposed LID features will be shown on the preliminary design plans prepared as part of the EA. LID features will be further refined during Detailed Design.
Consider revising the section or providing a new one to show bioswale design in relation to other proposed street elements. Introduce trees to the boulevard areas that are closer to the curb line.	Based on the stormwater management plans, all LID features in the Warden Avenue corridor are box trenches. As such, the Study Team does not intend to prepare a new concept / section to illustrate the bioswale design. York Region requires a minimum width of 3.4 m for tree

The Regional Municipality of York

Online Open House No. 2 Summary Report May 2023

	Comment	Response
		planting behind the curb. Based on the preferred design concept cross-section, the boulevard area closer to the curb (softscape) is 2.7 m wide, which is less than York Region's minimum standard for tree planting. Spacing for tree planting is; therefore, limited presently to the 3.5 m planted boulevard area between the sidewalk and cycle track. During the Detailed Design phase of the project, the softscape width will be further reviewed to confirm if additional tree planting can be achieved.
Bios	swale design:	Based on the stormwater management plans, all
•	Bioswales appear to be next to the curb based on this section (Slide 18); however, the roll plans indicate boulevard planting areas in between the LID feature and curb line (Slides 19 and 21). Please clarify locations of bioswales. Consider planting trees on the top of the bioswales wherever possible. Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	the LID features in the Warden Avenue corridor are box trenches. A small section of Kennedy Road includes a bioswale. The bioswale design was identified on the preferred design concept Slide from the second Online Open House as an alternative option to the preferred box trench design for areas that have higher water table or limited space. To clarify, the boulevard planting areas are between the sidewalk and the cycle track. Trees should not be planted within LIDs as they will act as dams, clogging up the system. Shrub planting within LIDs along roads is problematic as they will collect / catch more litter and are not able to withstand period flooding. Planting with flowers and grasses can still be diverse with various perennial species in groupings of seven or more per cluster. LID features will be further refined during Detailed Design.
Box	trench design:	Guardrails are proposed for the inside edge of
•	Would it be possible to raise the grade	the box trench to provide a safety barrier
	guardrails? This also allows pedestrians to better benefit aesthetic values of the flowers and grasses.	of the box trench is designed to be below-grade; to provide surface ponding in the box above the filter medium thus providing an opportunity for
•	Besides meadow flowers and ornamental grasses, consider introducing shrubs to increase planting diversity.	additional infiltration and quantity control volumes. Shrub planting within LIDs along roads is problematic as they will collect / catch more litter and are not able to withstand periodic flooding. Planting with flowers and grasses can

Comment	Response
	still be diverse with various perennial species in groupings of seven or more per cluster. LID features will be further refined during Detailed Design.
Planting species selection for LID features shall be considered with hardy native / non-invasive plants with a strong root system and the ability to withstand both wet and dry conditions, including salt-tolerant shrubs, herbaceous perennials, and warm and cool weather grasses.	Acknowledged. LID features will be further refined during Detailed Design.
Consider adding LID facilities in marked areas.	LID features have been optimized in the Warden Avenue right-of-way (ROW) to meet water quantity and quality objectives. The proposed locations for LID features, which are illustrated on the stormwater management plans prepared in support of the EA study, are based on groundwater levels. Consideration for adding additional LID features will be made at the Detailed Design stage of the project.
Regarding the proposed LID feature location near the existing culverts under Warden Avenue, there is a proposed headwater drainage feature connecting to the existing culverts under Warden Avenue. LID Designer needs to be aware of the potential space conflict at this location.	There are no LID features proposed at this location due to very high groundwater table. This condition is reflected in the stormwater management plans.
Please clarify drainage at east side of the preferred design concept.	The cross-section provided on Slide 23 was intended to illustrate the constraints posed by the existing cemetery on the east side of Kennedy Road. Grades on the east side of the road corridor at this location are understood to slope toward the east. The preliminary design will illustrate the existing and proposed drainage on the east (and west) sides of Warden Avenue outside the ROW.

Comment	Response
Comment	Kesponse
Pedestrian Crossings	
At the intersections, trim the boulevard planting areas that are close to the property line to create direct pedestrian connections from the sidewalks to the crossings. Please see example:	Acknowledged. Pedestrian connections from the sidewalks to the crossings at intersections will be illustrated on preliminary design plans.
Curb ramps and tactile surfaces should be provided at all crossings.	Acknowledged. Curb ramps and tactile surfaces at crossings will be illustrated on preliminary design plans.
Active Transportation	
In the criteria for evaluating alternatives, there is no assessment of cyclist safety. This appears to be a significant oversight. Respectfully, cyclist safety should be included as an evaluation criterion in all York Region EA's.	Cyclist safety was considered in the earlier stages of the project and built into the development of the alternative design concepts. Each alternative evaluated included boulevard space to allow for separation between motor vehicles, pedestrians, and cyclists to maximize the safety of all users. The preferred design concept further increases the safety of active transportation users by implementing a dedicated cycle track and separated sidewalk.
 Final design of cycling facilities must address the needs of all cyclist categories and requirements for power-assisted e-bikes. Matters that need to be addressed during final design include: Geometric design of cycling facilities to appropriate criteria for advanced cyclists and e-bike users. Design criteria should include a minimum 32 km/h design speed (maximum assisted speed allowable in Ontario) to accommodate e-bikes, along with appropriate design parameters for 	Acknowledged. Design criteria for the cycle track will be further evaluated during the Detailed Design phase of the project, balancing all user needs.

Comment	Response
 minimum horizontal curve radius, vertical curves, and stopping sight distances. Should appropriate speed-related design criteria not be employed, cycling facilities may be unusable by advanced cyclists and e-bike users in preference to more dangerous on-road cycling. 	
 Cycling facilities should be linear and 	
direct, following the roadway as closely	
as possible for advanced higher-speed	
road bicyclists.	The Designt Toors will eveluate restantial coefficts
enhanced before intersections to mitigate the risk of left or right turn collisions with turning motorists. Intersection crossing markings	to improve safety between all users along the corridor at each intersection, during the Detailed Design phase of the project. Details of material
should be provided to improve collision	to be used on the cycle track will be evaluated
Guide by the National Association of City	of Markham.
Transportation Officials provides design	
guidance. Intersections should be designed	
to reduce turn conflicts for cyclists and	
provide connections to intersecting cycling	
Potential conflicts between pedestrians and evolute at intersections about he	
assessed and minimized to enhance	
safety.	
 Provide paved surfaces for cycling 	
facilities. Since most road bicycles do	
not have suspension systems, gravel,	
paving stones, and surfaces like	
concrete, sidewalks are not suitable for	
bicyclists traveling at higher speeds.	
Per Slides 20 and 22 of the Open House	Acknowledged. The Project Team will evaluate
No. 2 package, the preferred intersection	each intersection and crossing details, balancing
treatment at all five signalized intersections	all user needs during the Detailed Design phase
on each warden Avenue and Kennedy Road	of the project.
Dedestrian and Cycling Planning and Design	
Guidelines (nages 110 to 114) discuss a	
preferred option: use of protected	
intersections with corner refuge islands. To	

Comment	Response
quote from page 110, "The protected intersection is emerging in North America as a preferred higher order intersection treatment" Please evaluate this concept at some or all signalized intersections.	
Although beyond the scope of this EA, York Region is encouraged to improve cycling facilities along other Regional roads and provide cycle lanes or cycle tracks, where absent. The Warden Avenue and Kennedy Road roll plans clearly illustrate glaringly absent cycling facilities beyond the EA Study Area.	The Project Team acknowledges this is beyond the scope of this EA. Connectivity and transition to existing facilities at the limits of the project is considered during Detailed Design, while also taking into consideration transition to future linkage opportunities recommended by York Region's Transportation Master Plan and Pedestrian and Cycling Planning and Design Guidelines.
Provide pavement markings for the cycle track to indicate the bike travel directions.	Acknowledged. Symbols indicating direction of bike travel will be illustrated on preliminary design plans.
The preferred minimum width of a bike lane is 2.0 m to allow cyclists to ride side-by-side or pass each other without leaving the bike lane. Cars are wide enough to sit two people next to each other, why should cyclists not be able to ride next to each other? This is important to get more people cycling, including students.	The width of the cycle track was developed using the current York Region Road Design Guidelines, Region Pedestrian and Cycling Planning and Design Guidelines and OTM Book 18 for cycling facilities, while balancing the space available within the municipal ROW to accommodate necessary design features. The final width of the bike lane will be confirmed during Detailed Design, balancing various needs within the boulevard such as sidewalk, tree planting, utilities, and LID features.
Consider introducing street furniture (e.g., benches, bike racks, and trash receptacles) to the corridors, particularly at retail-focused intersections and neighborhood service nodes as identified by the FUA Conceptual Master Plan Community Structure Plan.	Acknowledged. Consideration for street furniture is to be incorporated at the Detailed Design phase of the project.
Three multi-use paths (MUPs) on the collector roads abutting Warden Avenue should be shown on the Warden Avenue Roll Plan.	Acknowledged. The preliminary design will include the MUPs on the collector roads.
The preferred design for Kennedy Road shows active transportation (AT) facilities on the intersecting collector roads. The	Acknowledged. The preliminary design will include the MUPs on the collector roads in coordination with the City and the Developers.

Comment	Response
preferred design for Warden Avenue should	
also be consistent with Kennedy Road in	
showing the AT facilities on the intersecting	
collector roads.	
Other	
Please see attached to the email, a list of	Acknowledged.
development projects that are within the vicinity of the EA.	
Please ensure that the collector roads	The locations of the proposed collector roads
intersecting to Warden Avenue are as per	have been established on our preliminary design
the approved collector roads EA.	plans as per the collector road EA plans
	supplied by York Region.
Extend roadway and median concepts used	Acknowledged. A centre median concept was
on Warden Avenue from Major Mackenzie	evaluated during consideration of design
Drive to 16th Avenue. This design presents	concepts. The preferred design concept for
itself very well and is capable of handling	Warden Avenue within the study corridor
current and future traffic loads for some time	includes a 1.0 m centre-marked median as it is
to come and does allow for use of the centre	the least costly option and has the greatest
median (paved / lined) as a turning lane over	setback of the active transportation facilities from
the entire length.	the vehicle travel lanes.
Will the two very large vertical storm sewer	Drainage has been evaluated during the EA and
cribbing abutting Warden Avenue (west side)	accommodated within the urban ROW design.
in the design area interfere with any width	Further details will be evaluated at the Detailed
considerations for the	Design stage.
roadway / sidewalk / bike path concepts	
intended?	

6.0 Next Steps

Comments and concerns received during the second Online Open House comment period will be reviewed for incorporation into the evaluation and selection of the preferred design.

Following the approval of the Preferred Design Concept, the planning and decision-making process of the Municipal Class EA will be documented in an Environmental Study Report and made available for public review and comment at the conclusion of the study.



Appendix A

Newspaper Advertisement



NOTICE OF ONLINE OPEN HOUSE #2

Environmental Assessment Study

Warden Avenue and Kennedy Road Major Mackenzie Drive to Elgin Mills Road

City of Markham

The Regional Municipality of York is conducting Schedule 'C' Municipal Class Environmental Assessment (Class EA) Studies in the City of Markham for improvements to Warden Avenue and Kennedy Road between Major Mackenzie Drive and Elgin Mills Road.



WE WANT TO HEAR FROM YOU

You are invited to take part in the second online open house to learn about the study process, road improvement design options evaluated, preferred design concepts and next steps.

When: View materials from Friday, November 25, 2022 to Friday, January 6, 2023

Where: Visit york.ca/WardenKennedyStudy to access the online open house materials

Comments: Share your comments through the online open house feedback form or send them to **transportation@york.ca** by Friday, January 6, 2023

Please let us know if you require accommodations to participate. Online materials and an accessible version of this notice is available upon request.

To submit a question, comment or request to be added to the project mailing list, please contact:

York Region Transportation, Public Works

Phone: 1-877-464-9675 ext. 75000 TTY: 1-866-512-6228 Email: transportation@york.ca

To better assist you, please quote Warden and Kennedy EA Studies in your inquiry.

This study is being undertaken according to requirements of the Ontario Environmental Assessment Act. Personal information submitted (e.g. name, address and phone number) is collected, maintained and disclosed under the authority of the Ontario Environmental Assessment Act and the Municipal Freedom of Information and Protection of Privacy Act for transparency and consultation purposes. Personal information you submit will become part of the public record that is available to the general public, unless you request that your personal information remain confidential.

This notice was issued on Thursday, November 10, 2022

Wayne Emmerson York Region Chairman and CEO





Appendix B

Display Boards Presentation



ONLINE OPEN HOUSE #2 OVERVIEW

- Study areas and objectives
- Municipal Class EA process
- Alternative design concepts
- Feedback: Online Open House #1
- Evaluation of alternative design concepts
- Preferred design concepts
- Next steps



Kennedy Bridge

Warden South

Study Areas and Objectives

The Regional Municipality of York is undertaking Schedule C Municipal Class Environmental Assessment (MCEA) Studies for improvements to Warden Avenue and Kennedy Road, between Major Mackenzie Drive East and Elgin Mills Road East, in the City of Markham.



- These studies build on the recommendations from the approved 2016 York Region Transportation Master Plan (TMP)
- Through the MCEA studies, York Region is examining how best to complete the identified road and active transportation improvements while lessening the environmental impacts









Additional Recommendations for Warden Avenue and Kennedy Road

The City of Markham's Future Urban Area Conceptual Master Plan













Low Impact Development (LID) Measures

LID uses cost-effective construction and building methods to store, filter and infiltrate rainwater and snow melt into the ground. LID measures are necessary to consider for all road widening projects to address increased impervious (does not allow water to pass through) surfaces and improve sustainable and climate adaptive solutions. Some example designs that are feasible for road improvement projects and are being considered for Warden Avenue and Kennedy Road, including:

- Box Trench Design
- Vegetated/Bio Swale Design
- Bioretention and Rain Garden Design
- · Infiltration trenches and soak-aways



- Permeable pavement
- Above-ground rainwater harvesting tanks
- Underground storage tanks



nline	Open House #1		
	Online Open House #1 was hosted on the Region's February 24, 2022 to March 24, 2022	website from	Comments received included the following general themes:
	The project webpage was viewed 1,125 times durin	project webpage was viewed 1,125 times during this period e comment forms were received from 24 members of the public . e identified, most participants indicated an interest in the project pocal resident	
	Where identified, most participants indicated an inter as a local resident		
E N	A summary of written comments with responses was Online Open House #1 Summary Report posted on webpage, york.ca/WardenKennedyStudy	s provided in an the study	including trees
takeh	older Advisory Committee	Technical Advisory	/ Committee
 Consideration of impacts from road salt and other solubles (e.g. nitrates) Impact of adjacent corridor improvements 		 Directing stormwater run-off Impact of centre median on access for emergency service vehicles 	
Ass Cor	sessment of accurate vehicle traffic volumes nsideration of active transportation	Preference for and preferred v	separation of sidewalk and cycle track width of 1.8m cycle track

Evaluation Criteria

The alternative design concepts in the study areas were evaluated relative to each other against a set of criteria. Evaluation criteria are provided below under each of the project environments:



Natural environment

- Potential impact to vegetation and designated natural features
- Potential impact to wildlife, aquatic habitat and habitat of species at risk
- Potential impact to water resources and drainage
- Potential climate change impact and resilience
- Potential impact from contaminated sites



Engineering environment

- Level of service / traffic congestion
- Speed management
- Traffic safety
- Design constraints
- Utility impacts
- Constructability



Socio-cultural environment

- Potential impact to heritage resources (e.g. archaeology, cultural heritage)
- Nuisance impacts (e.g. noise, visual, or construction impacts)
- Land acquisition needs, impacts to driveway access
- Conformity to municipal and agency policy
- Connectivity and safety



Financial environment

- Estimated capital costs
- Estimated operation and maintenance costs
- Property acquisition costs





Evaluation of Alternative LID Design Concepts To view the complete evaluation, visit <u>https://www.york.ca/media/109581</u> and <u>www.york.ca/media/109576</u>										
Criteria for Evaluating Alternatives	Indicators	Option 1: Box Trench Design	Option 2: Vegetated / Bio Swale Design	Option 3: Bioretention and Rain Garden Design	Option 4: Infiltration trenches and soak- aways	Option 5: Underground storage tanks				
Natural Environment	Ecological Benefit, Soil Permeability, Impacts to Groundwater	•	•	•	0	0				
Socio-Cultural Environment	Aesthetics, Educational Opportunities				O	0				
Technical Factors	Quality and Quantity Control, Erosion Control, Maintenance, Surface footprint	•	0	0	•	•				
Financial Factors	Estimated Capital and Maintenance Costs, Life-cycle costs and savings	0		0	0					
Overall Summary		Most Preferred	Most Preferred	More Preferred	Least Preferred	Somewhat Preferred				
Order of Preference:	•									
Most Preferred 🌑 More Preferred 🕘 Somewhat Preferred 🕕 Less Preferred 🕒 Least Preferred 🔘										
						17				

















We Value Your Input

We invite you to complete the comment form available at

www.york.ca/WardenKennedyStudy

Online open house materials are also posted and will remain available for review and comment until **January 6, 2023**.

A summary of your written comments along with responses will be provided in an Online Open House #2 Summary Report, which will also be posted on the study webpage in spring 2023.

TELL US HOW YOU WOUL WARDEN AVENUE AND KE	D IMPROVE ENNEDY ROAD
Tash Region to making improvements to Warden Avenue and Nameuky Issuel. Na Machania brive to Ego Atlia Naul In the City of Ministham, Nei Innie you to ja making in to reactive anderes about the Environmental Assessment studies or approferitoris to protechings.	Ion Major are const in the tably ad tables to an
just the namy mailing line	OPERT AND A DESCRIPTION OF A DESCRIPTION
About the Project	
Turk Report to Income	10000738
Record WE Want to	Peters: Opene: Tellional
MEAR from YOU	mage: sphras







Appendix C

Comments

Q1 I am interested in this study because I (please check all that apply):



ANSWER CHOICES	RESPONSES	
Am a local resident	75.00%	3
Own a development property	0.00%	0
Own a commercial/industrial property	0.00%	0
Have a general interest	25.00%	1
Other (please specify)	50.00%	2
Total Respondents: 4		

Q2 How do you currently travel in this area? (Please check all that apply):



ANSWER CHOICES	RESPONSES	
Drive (motor vehicle)	100.00%	4
Cycle	25.00%	1
Walk	25.00%	1
Ride transit (bus)	25.00%	1
Other (please specify)	0.00%	0
Total Respondents: 4		

Q3 Please provide any comments on the recommended design concept for Warden Avenue in the study corridor using the text box below:

Answered: 3 Skipped: 1

Q4 Please provide any comments on the recommended design concept for Kennedy Road in the study corridor using the text box below:

Answered: 2 Skipped: 2

Q5 Please provide any additional comments, questions or suggestions you would like the study team to consider in the text box provided below:

Answered: 3 Skipped: 1

Q6 I/we wish to be added to the contact list to receive notices and updates related to this these studies.



ANSWER CHOICES	RESPONSES	
Yes	100.00%	4
No	0.00%	0
Total Respondents: 4		

Q7 I/we wish to have personal information (e.g. name, address, phone number) remain confidential.



ANSWER CHOICES	RESPONSES	
Yes	50.00%	2
No	50.00%	2
Total Respondents: 4		

Q8 Please provide the following information:

Answered: 4 Skipped: 0

ANSWER CHOICES	RESPONSES	
Name	100.00%	4
Company	0.00%	0
Address	100.00%	4
Address 2	0.00%	0
City/Town	100.00%	4
State/Province	100.00%	4
ZIP/Postal Code	100.00%	4
Country	100.00%	4
Email Address	100.00%	4
Phone Number	100.00%	4

Warden Avenue and Kennedy Road Environmental Assessment Studies between Major Mackenzie Drive and Elgin Mills Road in the City of Markham

Q9 Date

Answered: 4 Skipped: 0

ANSWER CHOICES

Please enter a valid date.

RESPONSES

100.00%

Please provide any comments on the recommended design concept for Warden Avenue in the study corridor using the text bo below:	Please provide any comments on the wrecommended design concept for Kennedy Road in the study corridor using the text box below:	Please provide any additional comments, questions or suggestions you would like the study team to consider in the text box provided below:	I/we wis be adde the con to recei notices updates related these sl	to the life of the provided to provide the provided to the pro	I/we wist personal informati name, au phone ni remain confiden	h to have I lion (e.g. Iddress, Iumber) ntial.	Please provide the f	ollowing information:						Date
Open-Ended Response	Open-Ended Response	Open-Ended Response	Yes	No Y	Yes	No	Name	Address	City/Town	State ZIP/Post /Prov	Country	Email Address	Phone Number	Please enter a valid date.
1 See response to Item 5	See response to Item 5	Ext. Tappland the Region's commitment to addressing the various anelia of motorical weblicks, trunt, pedestituna and bicytitus in the Variedor / Remech from Major Makersia to Etylistis. The Variedor / Remech from Major Makersia to Etylistis. The Variedor / Remech from Major Makersia to Etylistis. The Variedor / Remech from Major Makersia to Etylistis. The Variedor / Remech from Major Makersia to Etylistis. The Variedor / Remech from Major Makersia to Etylistis. The Variedor Variedo	Yes			No			Markham	ON L3R3M4	Canada			01/12/2023
2 I am a member of the Stakeholder Advisory Citee. I raised the question of protected intersections for Active Transportation at the last SAC meeting on Nov 10. Ed Chiu said he would discuss this with York's AT group. However, I would like to document the issue for the record. Per slides 20 and 22 of the Open House 82 package, the preferred interstoric not restring at all all Signalized intersections on each of Warden and Kennedy is a "cross side". However, the York Region Peterstin and Cycling Phonneg and Design Guidelines (pages 110 to 114) discuss a preferred option-use of protected intersections with corner refuge Islands. To quote from Pg. Deso "The Too" Preferred lighter order intersection transmitzed intersections". Please evaluate this concept at some or all of the signalized intersections.	See comments for Warden Ave above.	The preferred minimum width of a bike lane is 2.0 m to allow for bicyclists to ride side-by-side or pass each other without leaving the bike lane. Cars are wide enoug	Yes h Yes	Y	Yes	No			Markham	ON L3R4K2	Canada			12/30/2022
If you look at Warden from Major Mac to 16th Ave the readway and median concepts used there should now be extended and contnued through this design concept portion of Warden Ave. Two reasons - it does present itself very well and it capable of handling current and future traffic loads for some time to come and does allow for use of the centre median (paved/lined) as a turning lane over the entire length - in current design.		roo sit two peopie next to each otner, wny should cyclists not be able to ride next to each other? I his is important to get more people cycling, including students. Note that the reason Lourenty only drive in the study area is that there are not AT facilities. I do see two (2)very large vertical storm sewer cribbing abutting Warden (west side) in the design area. Will those not interfere with any width considerations for th roadway/sidewalk/bikepath concepts intended?	e Yes	À	Yes				Unionville	Ont L3R9R1	Canada			12/01/2022

R.J. Burnside & Associates Limited