

TEAM



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AGENDA



BLACKFRIARS BRIDGE | LONDON ONTARIO

9.00	INTRODUCTION
9.25	VR TECHNOLOGY OVERVIEW
9.35	CHARRETTE INTRODUCTION
9.45	COMPLETE STREETS DESIGN CHARRETTE BREAKOUTS
10.15	BREAK
10.30	CASE STUDIES + LIVE DEMO case studies (Q+A) {translation of charrette concepts to
CityEngine}	
	CityEngine live demo
11.00	EXPLORATION
11.30	DEBRIEF
12.00+ INFO	RMAL DISCUSSION



OBJECTIVES

Introduce workflow **bringing a tactile output to 3D to VR**, through design charrette process + CityEngine



VR "lab" - In-room experimentation, learning together, answering questions but raising new ones, exploring opportunities and concerns









MEETING YOU...



THE POTENTIALS OF VR

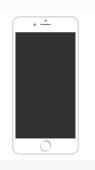
For planning, design and public engagement





VR technology overview

3 LEVELS OF VR TECHNOLOGY







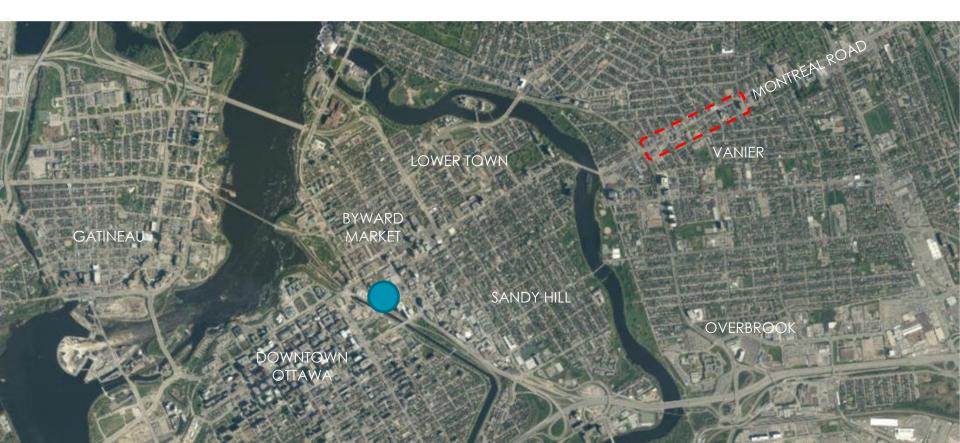
CHARRETTE

"is a term describing a period of intense design activity, often immediately preceding a deadline."

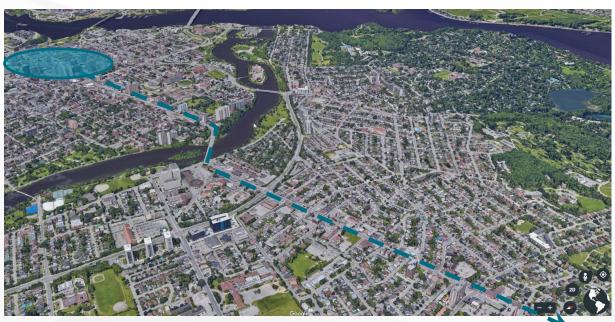




STUDY AREA



THE CHALLENGES



MAJOR CORRIDOR FOR EASTERN AREAS
DIRECT LINKAGE TO DOWNTOWN

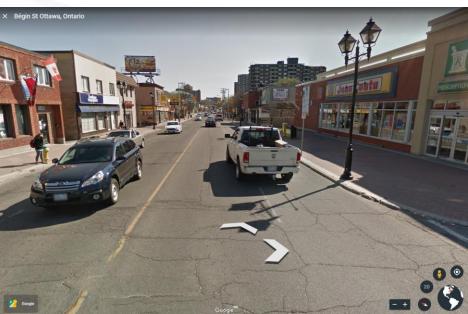








THE CHALLENGES



18m CROSS SECTION MAINLY DEDICATED TO CARS

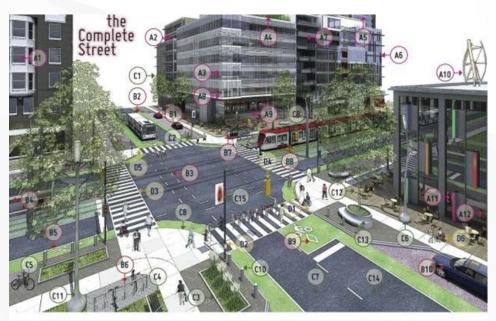
NEED TO EXAMINE ITS MODAL-SPLIT AND MIXED USE/CIVIC TRANSITION





COMPLETE STREETS

"Complete Streets are streets that are designed to be safe for everyone: people who walk, bicycle, take transit, or drive, and people of all ages and abilities"







ASSIGNMENT...

30 min
DESIGN CHARRETTE BREAKOUT

4 tables

"Stakeholder" led working session

15 min BREAK

20 min
CASE STUDIES + LIVE DEMO BUILDING

30 min
DEMO EXPLORATION



CYCLING/ACTIVE TRANSPORTATION FOCUS



TRANSIT FOCUS



PEDESTRIAN/RETAIL FOCUS



GREEN STREET FOCUS



charrette assignment

WORKFLOW

REVIEW EXISTING CONDITIONS



DESIGN CROSS SECTION



STREETMIX



CITYENGINE + VR





















TO CONSIDER...

Consider comfort and safety of users

Ensure your cross section works within the 18m ROW

Ensure each group member has contributed to your final cross section

Don't forget to translate your cross section into Streetmix



CYCLING/ACTIVE TRANSPORTATION FOCUS



TRANSIT FOCUS



PEDESTRIAN/RETAIL FOCUS



GREEN STREET FOCUS



10:15 - 10:30

BREAK

After the break... CASE STUDIES + LIVE DEMO

EXPLORATION



case studies

OUR STORY



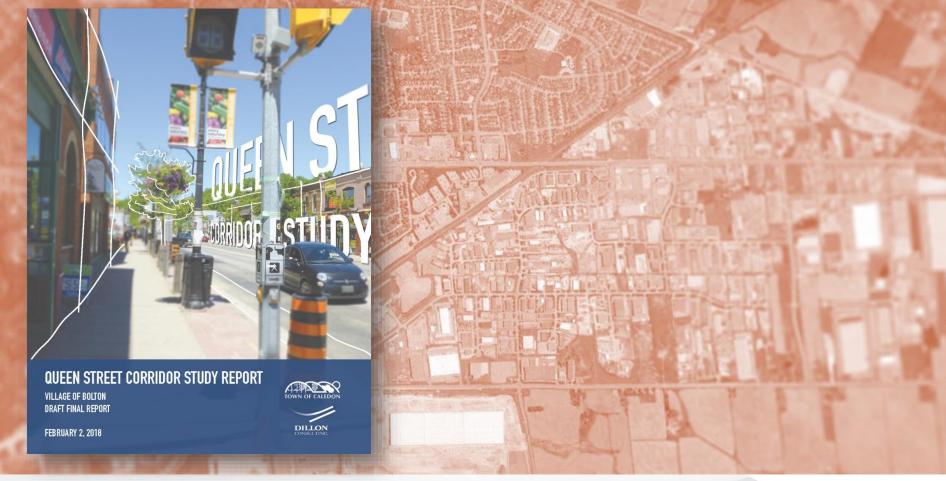




VR - THE NEXT GENERATION OF CITY BUILDING













VR - THE NEXT GENERATION OF CITY BUILDING

Queen Street - Bolton Corridor Study: Opportunities & Constraints King Street & Queen Street



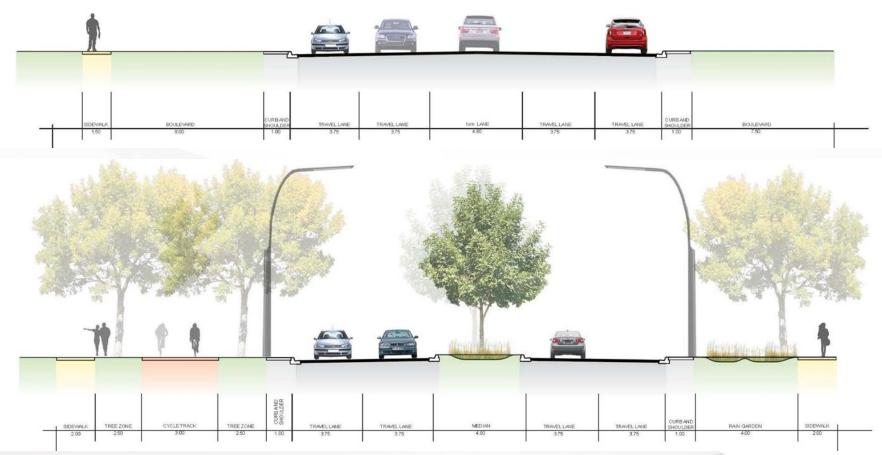
Queen Street - Bolton Corridor Study: Opportunities & Constraints



Queen Street - Bolton Corridor Study: Opportunities & Constraints McEwan & Highway 50













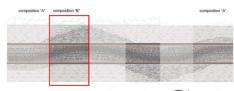
















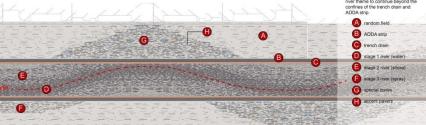




This composition is designed to be an extension of composition "A", and is intended to expand the stage 3 (spray) zone further into the sidewalk area. These zones will provide a paving definition of the "special areas" along the corridor. Composition "B" is also designed in intervals of 12.5 x 20m, and rotated and flipped in order to create a seamless wave.

composition "B"

Overall the composition is made up of 5 pavers colours. The sidewalk composition is made up of all 5 pavers in the special zones. This includes a random pattern using the 3 lightest pavers and both the darkest paver and blue pavers as accents. The roadway is made up of the darkest 3 pavers. This would provide a coloured contrast between both zones however allow for the overall river theme to continue beyond the







NOTE

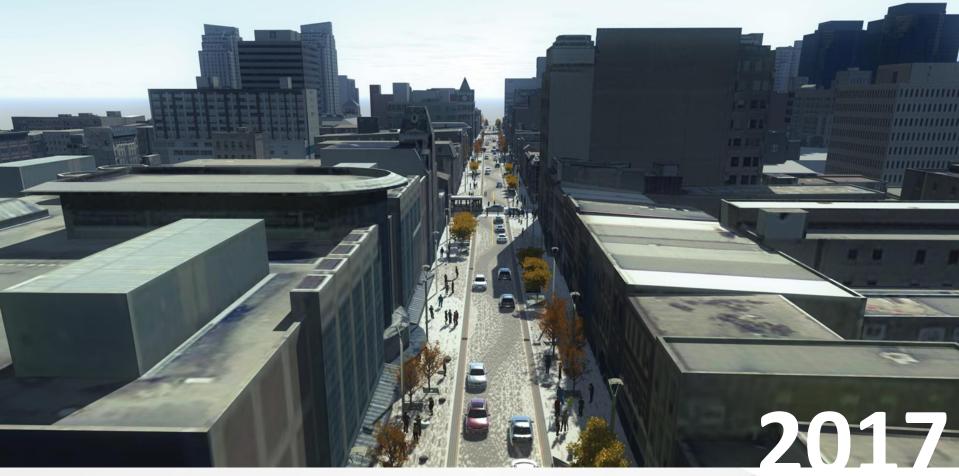
It is important to note that these diagrams provide the general intent of paver distribution. However the

design is intended to be flexible and allows for on site adjustment if

a concentrations of a single colour

running bond should be encouraged.

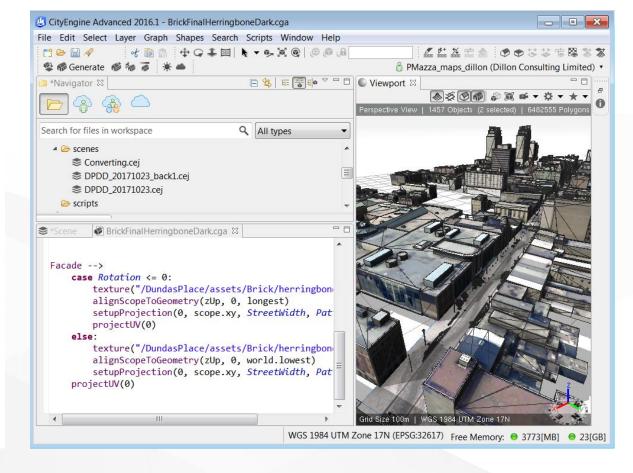
occurs. On site adjustment of the





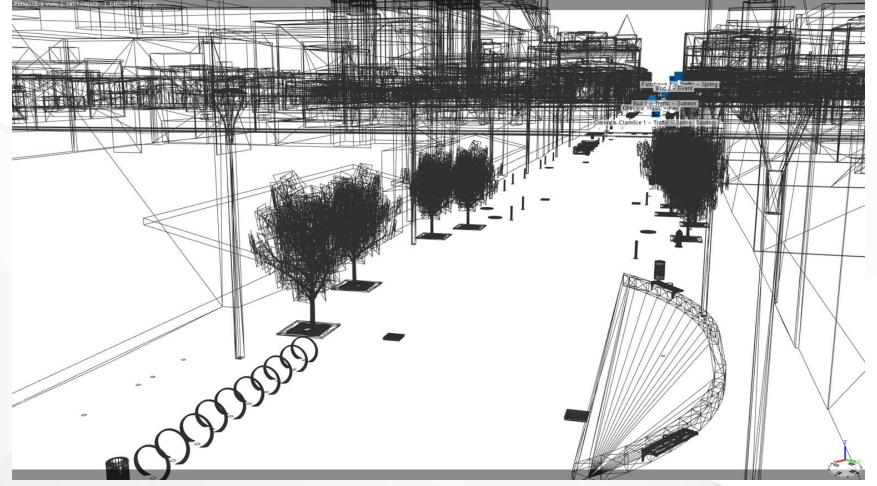
VR - THE NEXT GENERATION OF CITY BUILDING





















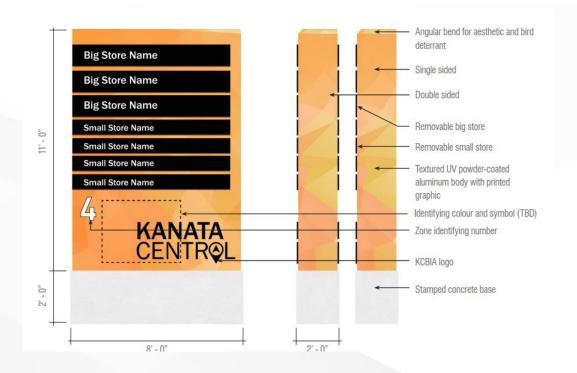








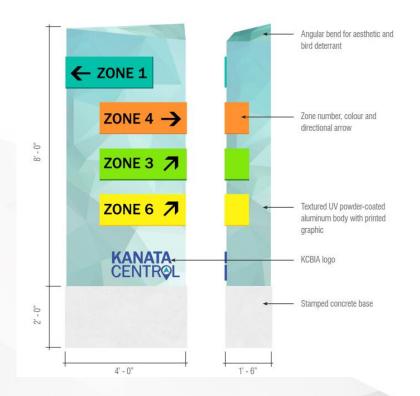








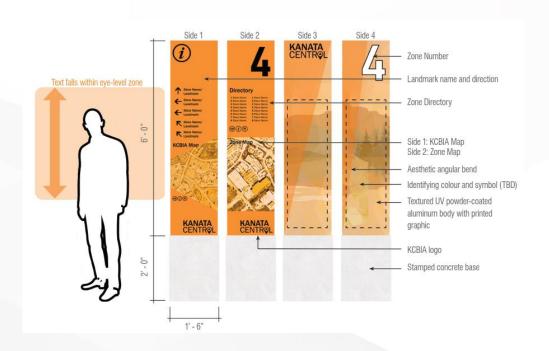








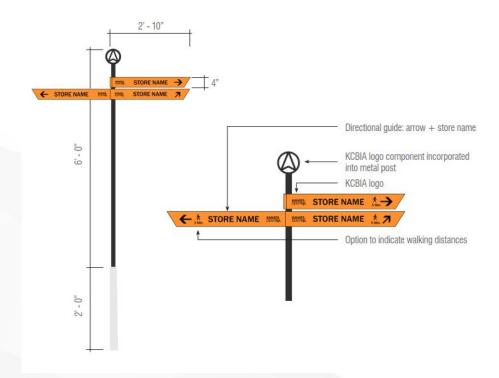










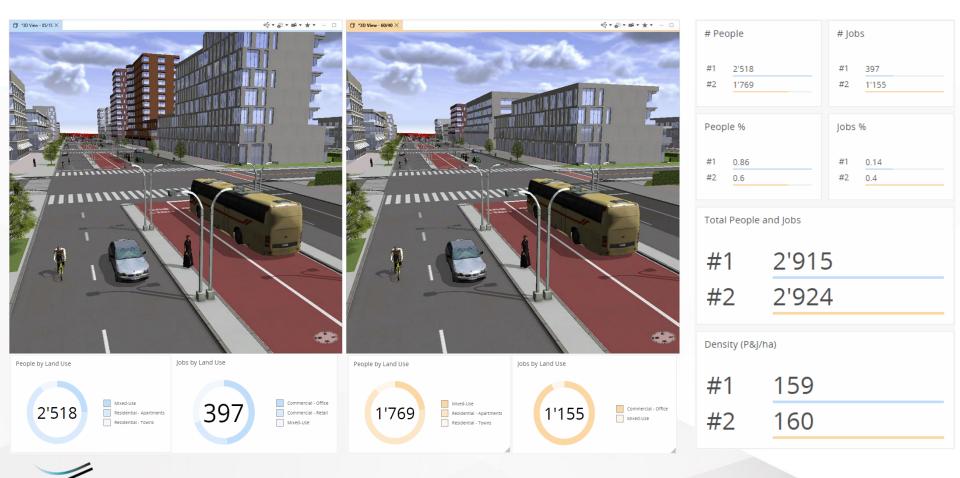












DILLON

CityEngine

LIVE DEMO



Scenario

EXPLORATION



conclusion

DEBRIEF + INFORMAL DISCUSSION

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