# Asphalt 2020

STUDY RESULTS AND PROPOSED PRIORITIES



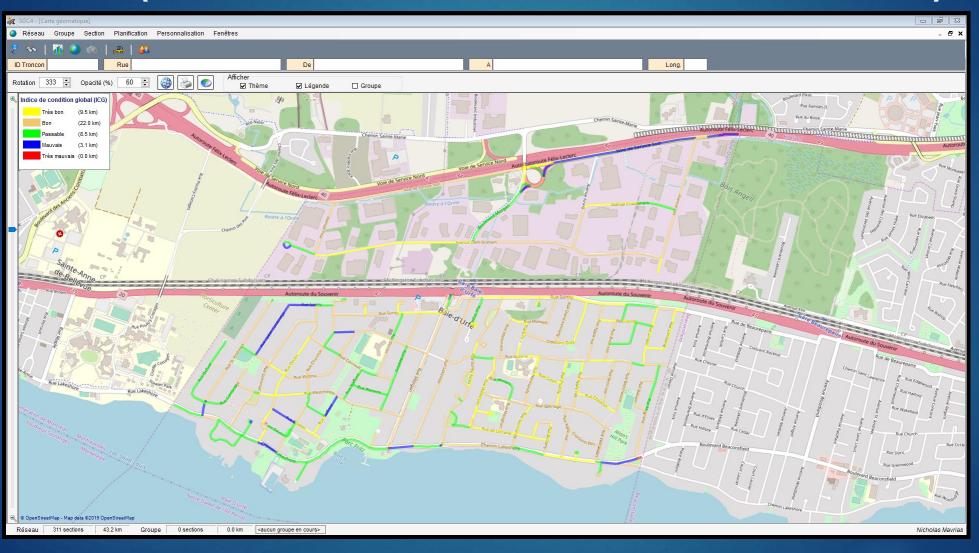
### 2018 Study Results

- In the fall of 2018 we mandated SNC Lavalin to do a study of road surface conditions in Baie-D'Urfé.
- We purchased SGC4, a software system created specifically for interpreting the data generated by such a study.
- In addition to it's interpretive capabilities, it is able to make recommendations and suggest priorities based on user-defined multi-year plans.
- Any interventions done can be input into the software and it will generate new recommendations and priorities.

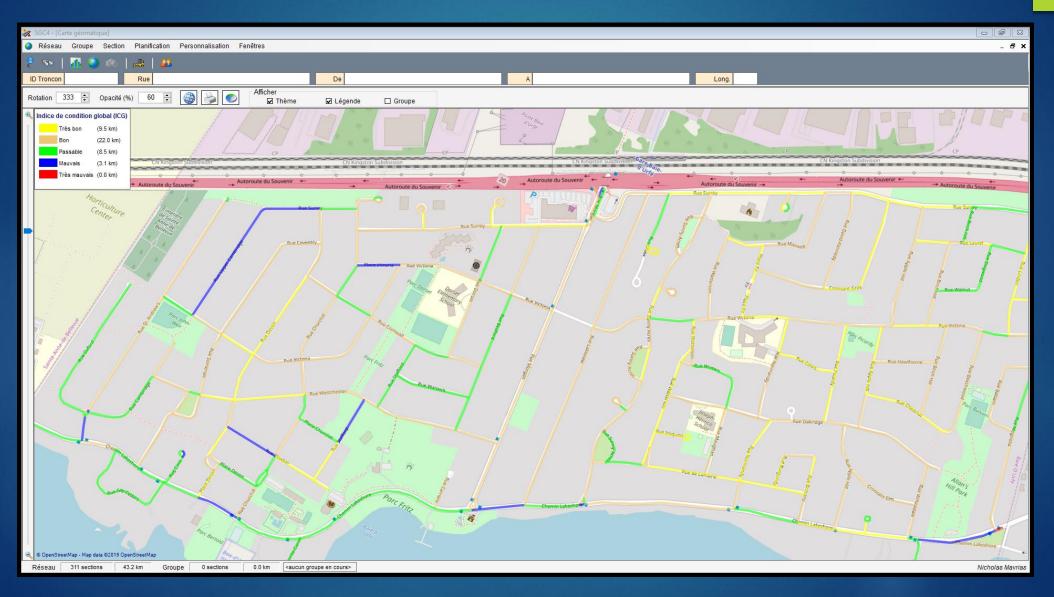
# Study Results 2018

- The reports generated from the study contained data results from different categories – three of which are indicative of road surface conditions:
- ▶ Pavement Condition Index (PCI) A scale of 1-100
- International Roughness Index (IRI) based on comfort of passengers in a vehicle
- Rut dimensions (Ornières) depth of ruts generated by vehicles
- The software groups the above-mentioned categories into an "overview" category – Indice de Condition Globale (ICG)

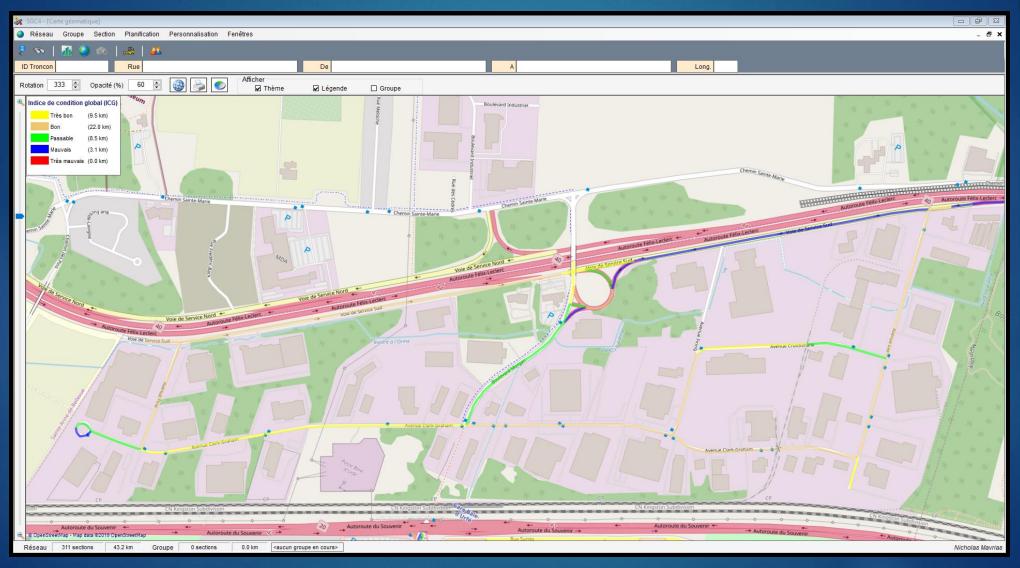
# ICG (Indice de Condition Globale)



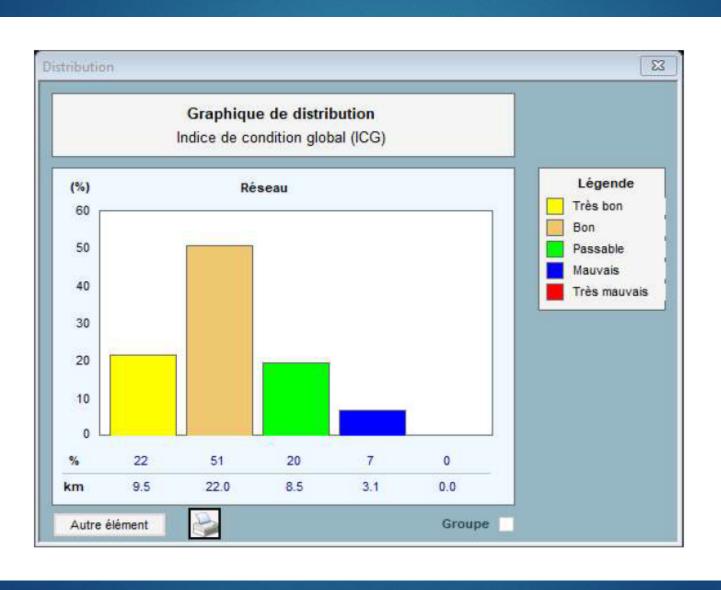
### ICG - Residential



## ICG - Industrial



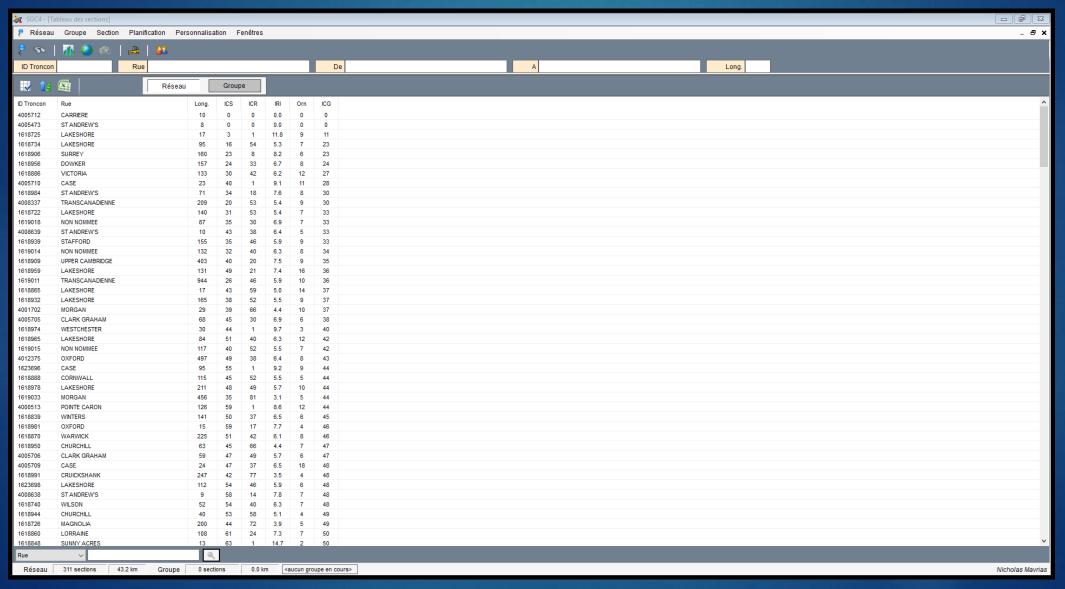
### ICG - Global view



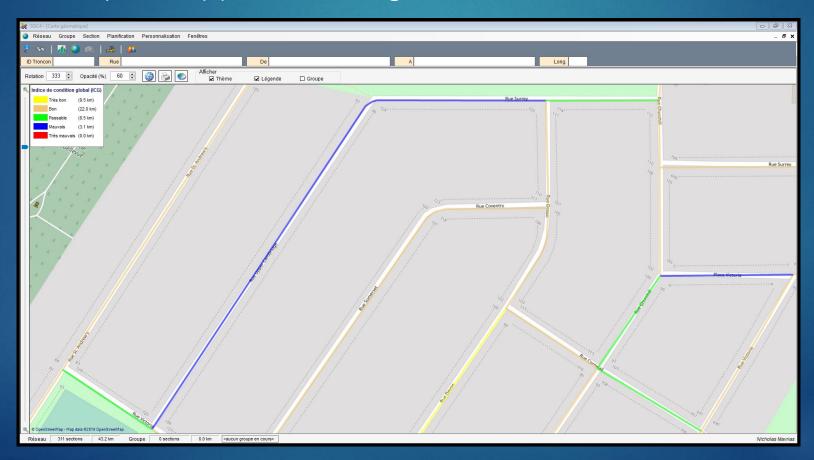
### Priorities - Exclusions

- Industrial sector due to upcoming interventions
- Lakeshore

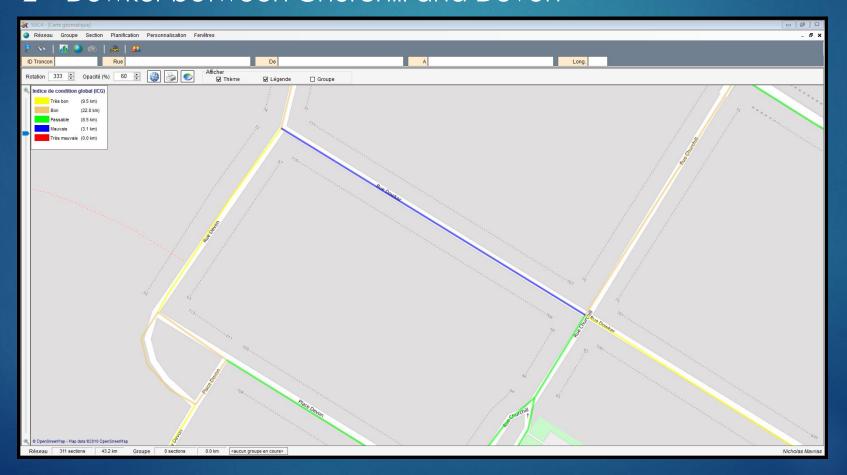
# Priorities – generated by SGC4



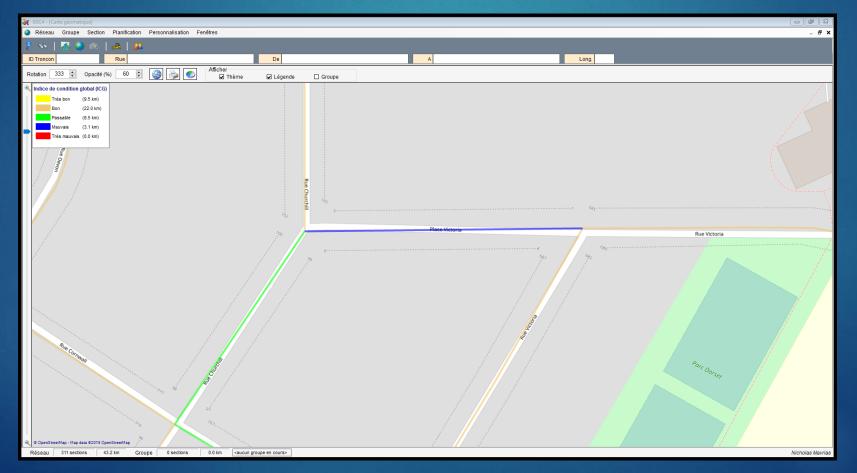
▶ 1- Surrey and Upper Cambridge



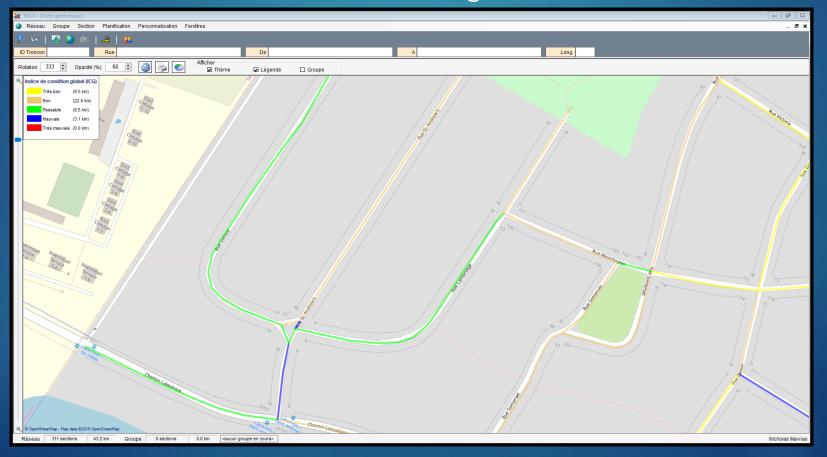
▶ 2 – Dowker between Churchill and Devon



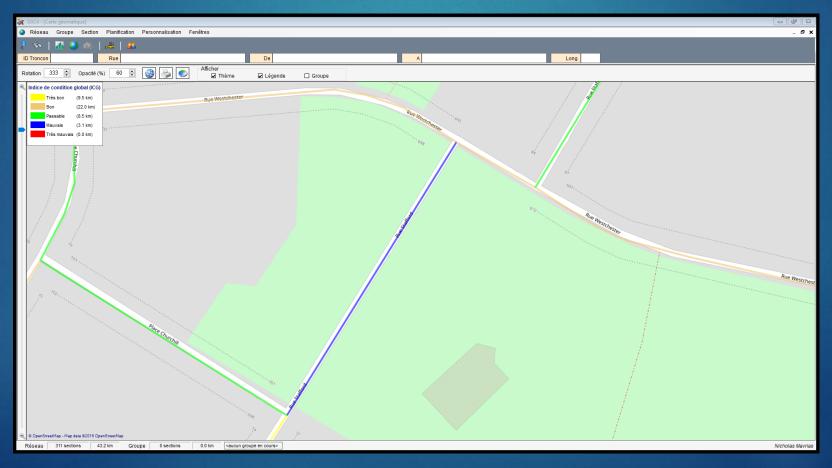
3 – Victoria Place between Victoria and Churchill



▶ 4 – St. Andrews, Oxford and Cambridge



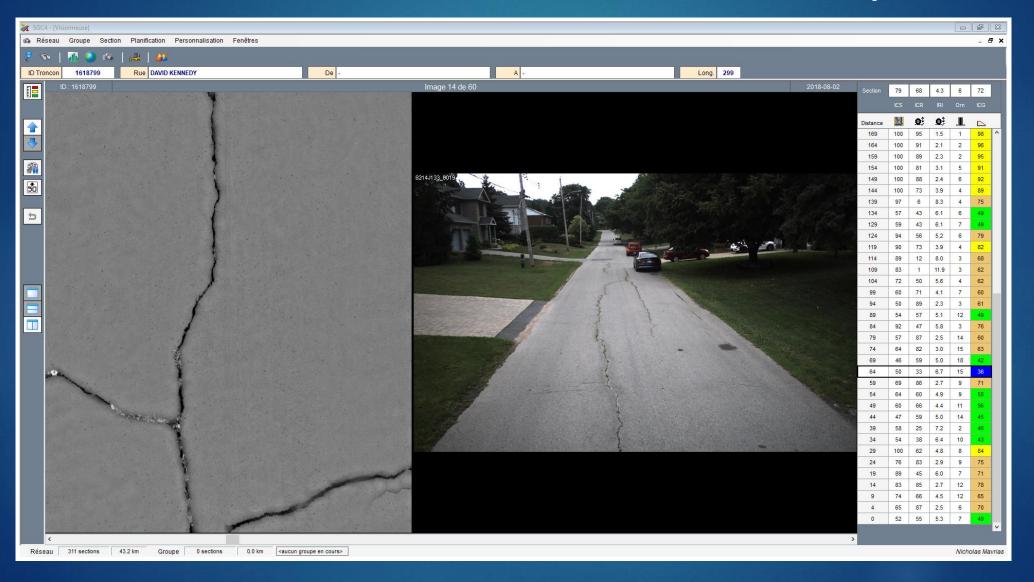
▶ 5 – Stafford between Churchill Place and Westchester



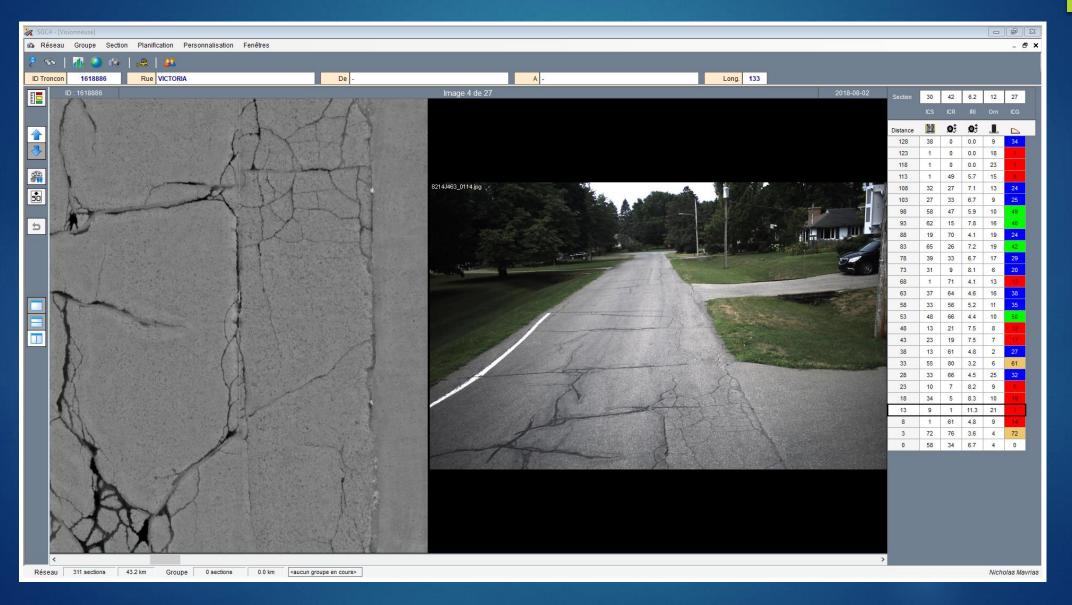
### Comparisons – a study in perception

- David Kennedy vs. Victoria Place
- The road surface condition of David Kennedy is often the subject of complaints (residents, VCOPS, etc...)
- The condition of Victoria Place has never been brought forward as a complaint
- The ICG of David Kennedy is 72 (bon état)
- The ICG of Victoria Place is 27 (mauvaise état)
- ▶ MhÀs

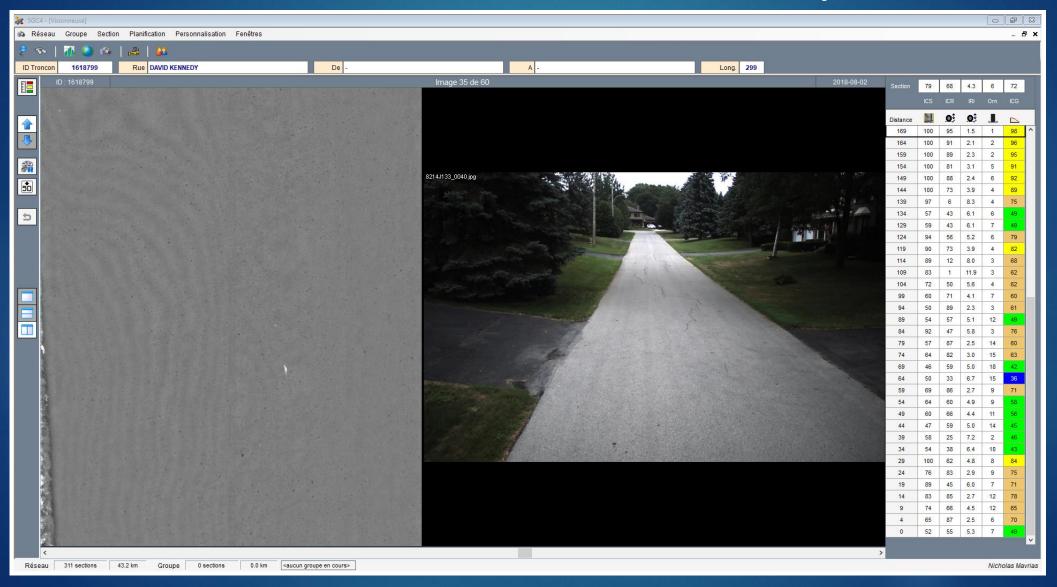
### Worst vs. worst – David Kennedy



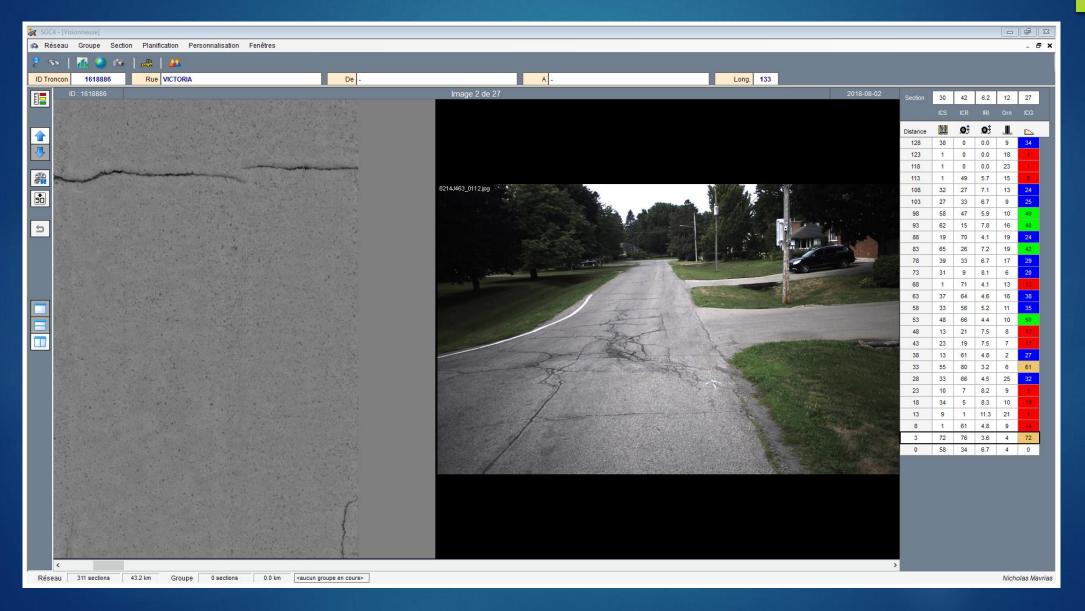
#### Worst vs. worst – Victoria Place



## Best vs. best – David Kennedy



#### Best vs. best – Victoria Place



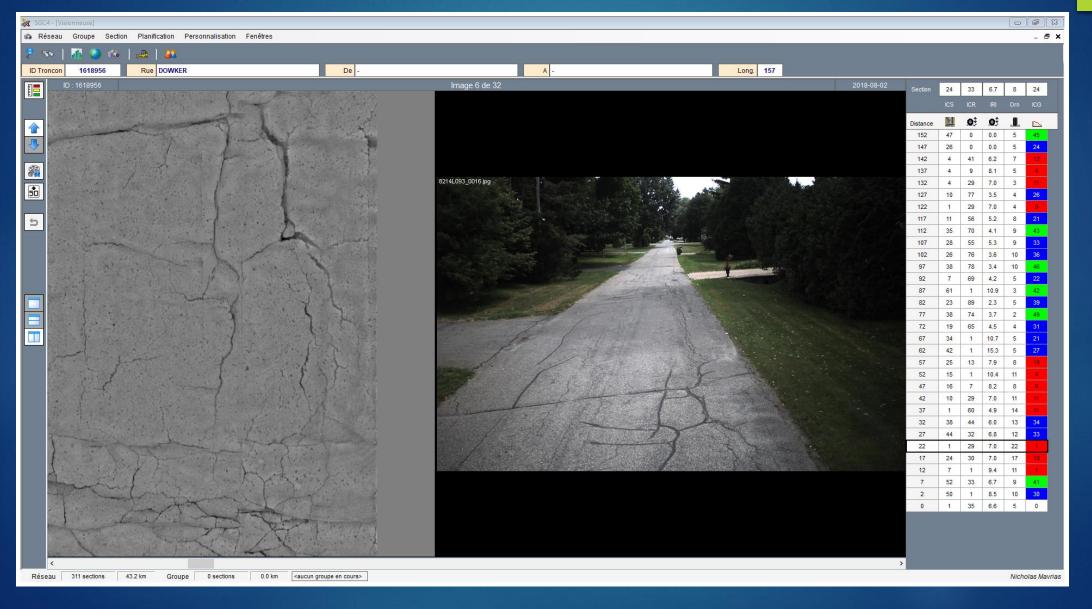
### Comparisons – a study in perception

- ▶ 2 Lorraine vs. Dowker
- Same situation as David Kennedy vs. Victoria Place (the exception being that 1 complaint was received with regards to Dowker)
- Previous PW administration had Lorraine a priority over Dowker
- ► The ICG of Lorraine is 50 (passable)
- The ICG of Dowker is 24 (mauvaise état)

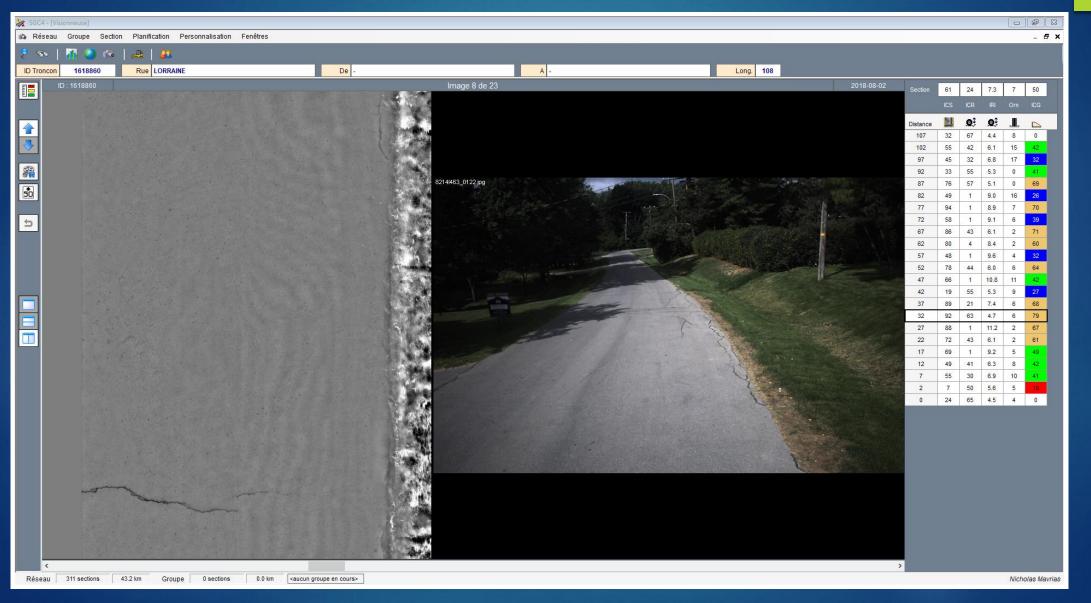
#### Worst vs. worst - Lorraine



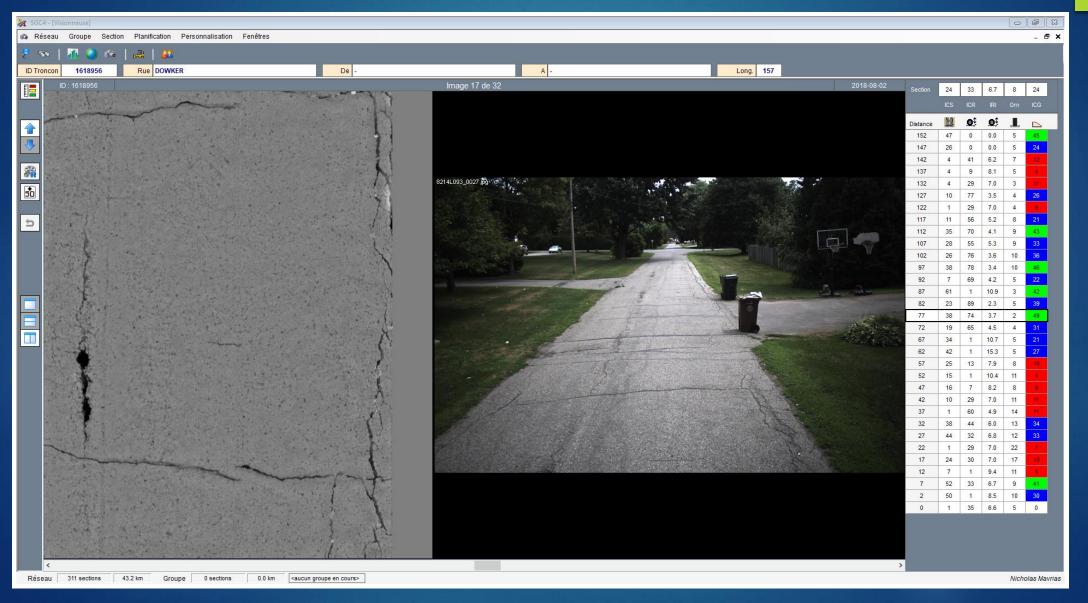
#### Worst vs. worst - Dowker



#### Best vs. best - Lorraine



### Best vs. best - Dowker



### Summary - recommendations

- Priorities suggested by SGC4 are backed by data.
- Further use and study of the software will help develop a 10 year plan
- Updating information into the software will continuously yield data to justify future interventions and limit perception-based complaints.