



# 127 STREET RECONSTRUCTION CONCEPT PLANNING

OCTOBER 2014

## About the Project

City staff are midway through a process to develop a concept plan for 127 Street from 118 Avenue to Yellowhead Trail in advance of road reconstruction scheduled for 2016.

This section includes infrastructure near the end of its life span, marking this roadway as a priority for reconstruction. This process will include the complete removal and reconstruction of road surfaces, curbs and gutters, some sidewalks and streetlights.

Although, the main goal of this project is to improve the condition of the road and accompanying boulevard area, completing a concept plan in advance of road reconstruction allows the project team to review the long-term needs of the corridor and recommend any possible enhancements.

## The Options

Throughout the summer and into September, the project team engaged with residents, business owners and other area stakeholders gathering their perspectives and travel experiences along the roadway. This information has been used to develop two draft concept plan options.

Both options feature the following benefits:

- widening of the travel lanes
- complete road reconstruction
- elimination of potholes
- renewal of streetlights, curbs and gutters and some sidewalks
- trees on the east side of 127 Street left untouched
- the recommendation of a traffic signal at 122 Avenue to improve access to and from the neighbourhoods
- cyclist accommodation maintained on the service road



The 127 Street concept plan balances a number of competing concerns and criteria, resulting in two very different options with inherent trade-offs.

## Project Constraints

In addition to the need to follow industry standards and City of Edmonton policies and guidelines, this corridor presents a few unique constraints for design:

- mature trees on both sides of the road
- narrow travel lanes
- 17 homes with driveways facing the service road
- Intersections at Yellowhead Trail and 118 Avenue with inflexible design and no available land for changes or expansion

## Option 1: 3-Lanes

- the current 4-lane road is changed to 3 lanes with a peak hours reversible centre lane (for example, 97 Street from 118 Avenue to YHT has a peak hours reversible centre lane)



- lanes are widened through a lane reduction
- trees in the west side median are maintained
- width of west side median is maintained

## Impacts

- left turns banned in peak hours



## Option 2: 4-lanes

- the current 4-lane road configuration is left unchanged
- lanes are widened through narrowing of west side median
- left turn bay added southbound on 122 Avenue

## Impacts

- trees in west side median relocated or removed

## Cul-de-Sac Option

As shown in the adjacent image, an add-on option to the two concept plans, is the proposal to convert 119, 121 and 124 Avenues into culs-de-sac at 127 Street to curb shortcutting along the avenues. Access to homes, businesses and the school would be maintained from alternate avenues and nearby streets.



*Proposed cul-de-sac design for 119, 121 and 124 Avenues*

The project team is looking for feedback on this proposed option.

## Where We Are Today

This study was initiated in the summer of 2014 with data gathering and issue identification. Meetings were held with stakeholder groups including the Prince Charles Community League executive and traffic committee and area schools.

An online survey collected responses from the public from August 15 - September 15 to further gain insight into issues along the corridor.

Comments on the two concept plans will be collected at the October Open House. The project team will then review the feedback gathered and will make further refinements to develop one concept plan.

A recommended concept plan will be presented to the public at a second Open House in January 2015. The concept plan will be finalized in spring 2015 and will be posted on the project website.

Reconstruction of 127 Street is expected to take place in 2016. Construction timelines will be available on the project website when confirmed.

## For More Information

Visit: [www.edmonton.ca/127StreetUpgrade](http://www.edmonton.ca/127StreetUpgrade)

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