

# Roadway Infrastructure in Local Communities

- *Approximately 320 neighborhoods in Edmonton (residential and industrial).*
- *Surface infrastructure life expectancy of approximately 40-50 years.*
- *152 neighbourhoods require reconstruction/rehabilitation.*
- *For a sustainable renewal plan, the City should be completing 13 to 15 neighborhoods annually.*



# Neighbourhood Rehabilitation

## Rehabilitation:

- *Resurfacing of the pavement and selective repairs to curbs and sidewalks coordinated with repairs to street lights and underground utilities.*



# Neighbourhood Renewal

## Reconstruction:

- *Reconstruction of the pavement and extensive replacement of curbs and sidewalks coordinated with repairs to street lights and underground utilities.*



# *Factors Affect the Timing of Renewal*

Ultimate timing is dependent upon:

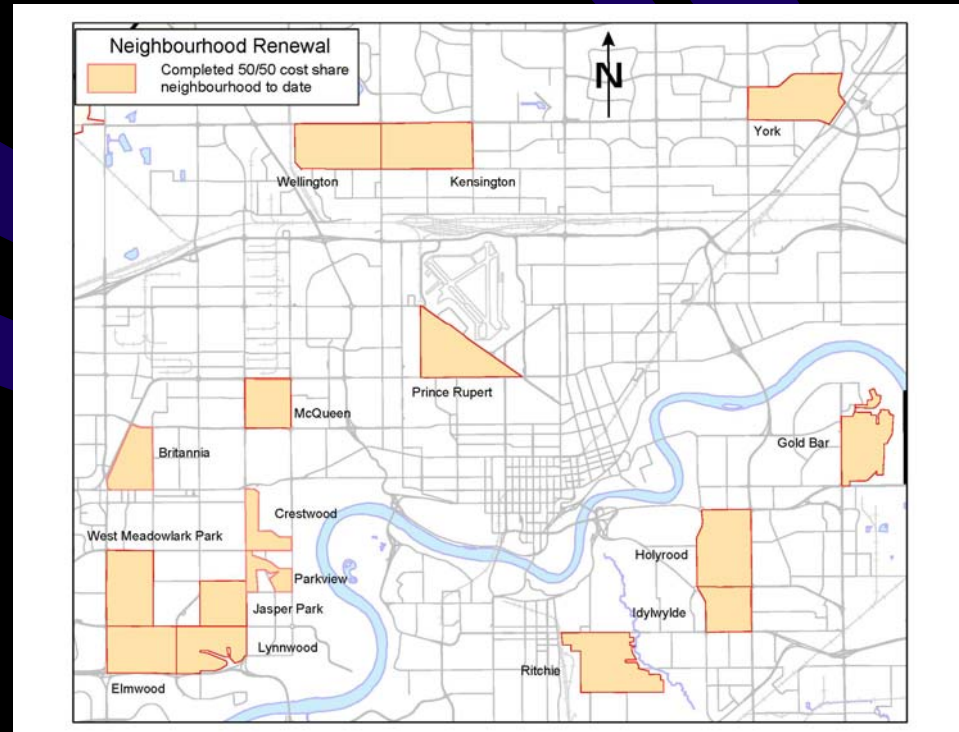
- *Neighbourhood pavement and concrete condition.*
- *Condition of the underground infrastructure.*
- *Coordination with other capital projects (both internal City and external agencies).*
- *Available funding.*



# Updated Neighbourhood Renewal Program

■ Fourteen neighbourhood renewals completed thru the 50/50 cost share Local Improvement Policy

— Parkview (west of 142 Street) and Crestwood neighbourhoods commenced in 2007 and are to be completed in 2008.



# ***Sidewalk Reconstruction Program***

- Sidewalk reconstruction in neighbourhoods financed via a 50/50 Property Owner/City cost shared Local Improvement originated as a pilot project in 1995.
- City Council approved the 50/50 cost share as a part of Local Improvement Policy in 1998.



# ***Parkdale Renewal***

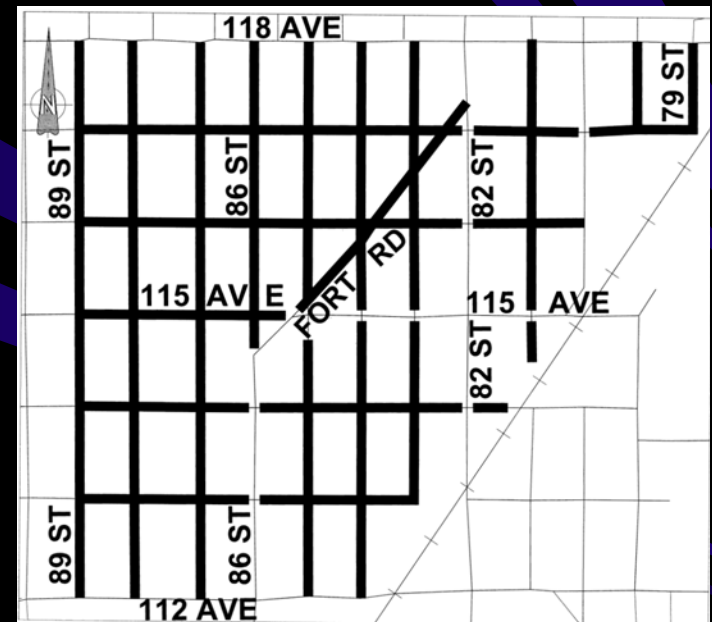
## **Parkdale Current Level of Service**

**Age:** 50+ years  
(early 1950's to mid 1960's)

**Pavement:** Fair to Poor

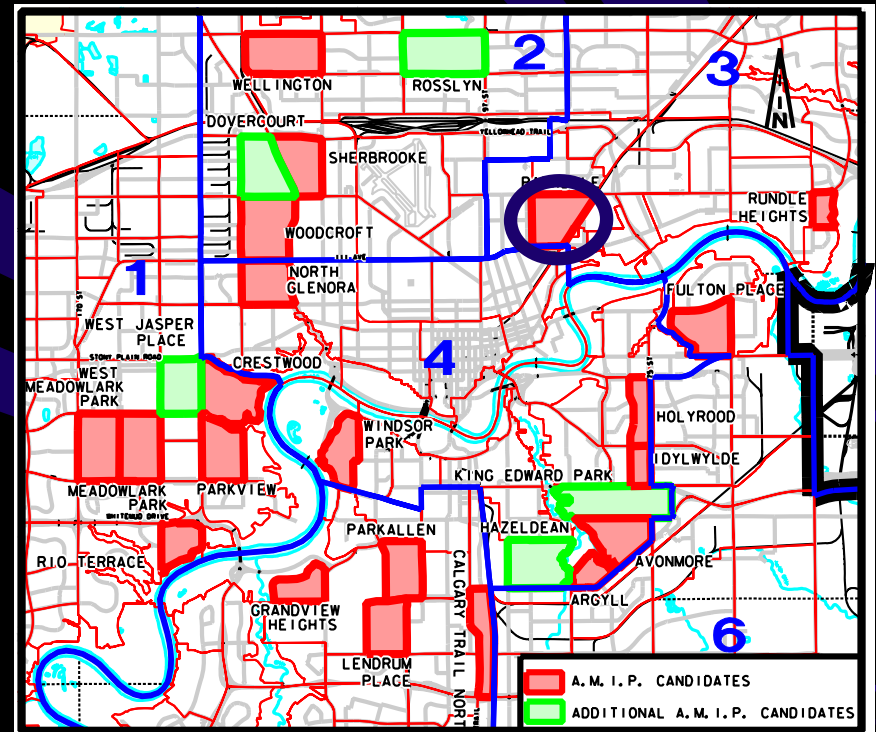
**Curbs:** Poor

**Sidewalks:** Poor



# Updated Neighbourhood Renewal Program

- Alberta Municipal Infrastructure Program (AMIP)
- 21 neighbourhoods were identified for renewal between 2006 and 2010 (additional 5 neighbourhoods if funding permitted).
- Recent increases in construction cost have reduced our buying power.
- Renewal in 2008 includes:
  - Parkview (W/142 St) – complete
  - Crestwood – complete
  - Parkdale – commence



# Proposed Scope of Work and Funding

- Roads, curbs, and gutters – 100% City funded.
- Sidewalks replacement – 50% adjacent property owners / 50% City funded.
- Underground utility repairs (EPCOR Water and Drainage) – 100% Utility funded.
- Standard streetlights (possible relocation to the opposite side of the street) – 100% City funded.
- Approx. value of surface works (not including underground utility work) = \$24 Million.



**Note:** Alleys are **not** included, unless initiated by property owners – 100% adjacent property owner funded.



# ***Parkdale Renewal Timing***

- *Construction is planned to take place over two years (2008 / 2009).*
- *The ultimate staging of construction is dependent upon: weather conditions, coordination of work with other utilities, design / construction issues, etc.*



# What Happens if a Project is Defeated?

- *The Parkdale neighbourhood is broken down into 19 L.I. project areas.*
- *If a project area is defeated the City will still, at no cost to the property owners:*
  - *Renew the road and curbs, as well as repair street lights and underground utilities.*
  - *Make sidewalks safe by patching with asphalt, grinding, and/or mud-jacking.*



# *Condition Prior to Maintenance Repairs*



# *Example of Mud - Jacking*



# Example of Asphalt Patching



# Example of Grinding



# *Asphalt Channel Sidewalk*



# ***Finished Neighbourhood Renewal (Without support for sidewalk reconstruction)***



# ***Finished Neighbourhood Renewal (With support for sidewalk reconstruction)***

