



# Calgary LRT Network Plan

# Calgary LRT Network Plan ... at a glance



## Overview

These drawings provide an overview of Calgary's CTrain (or LRT) Network plan. The drawings provide information on existing lines and approved alignments, future station locations and park and ride lot requirements.

Currently, the network consists of three legs – South, Northwest and Northeast. Construction of an additional three lines (West, Southeast and North Central) is required to complete the network and this is anticipated to occur before Calgary reaches a population of 1.5 million. West LRT is underway and scheduled to open in 2012 while the timing of the Southeast and North Central legs and other extensions not specifically noted below is dependant on future city growth and available funding.

## South LRT

South LRT opened in 1981; offering service between the downtown and Anderson Station. This original line also included a downtown transit mall for LRT and buses on 7<sup>th</sup> Avenue S. After several extensions, South LRT now travels to Somerset Bridlewood station. Future extensions are planned to serve communities developing south of Marquis of Lorne Trail.

## Northeast LRT

Northeast LRT opened in 1987 connecting downtown with Whitehorn Station. In 2007, an extension to McKnight / Westwinds Station was opened. Northeast LRT shares 7<sup>th</sup> Avenue tracks with the South / Northwest line. Design is now underway for a further extension to Martindale and Saddletowne scheduled to open in 2012. Future extensions are planned to serve communities developing north of 80<sup>th</sup> Avenue NE.

## Northwest LRT

Northwest LRT, an operating extension of South LRT, began operating in 1987 just prior to the 1988 Winter Olympic Games. Since then, it has been extended three times - to Brentwood and Dalhousie Stations and recently to Crowfoot Station. A further extension to Tuscany is being designed and will be completed in 2014.

## West LRT

Funding for West LRT was approved in 2008 and construction is now underway with completion to 69<sup>th</sup> Street SW expected in 2012. This line will have six stations and two park and ride facilities along 8 kilometres of track. This project will involve unique elements for Calgary including an elevated station in Sunalta and subway style stations at Westbrook and 69<sup>th</sup> Street SW.

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## Southeast LRT

An alignment for Southeast LRT has been approved from the downtown to the new communities and South Hospital planned south of Marquis of Lorne Tr. The line will be over 26 kilometres long. LRT cars operating on this line will be low floor vehicles that will require minimal station platforms and allow for better community integration. The downtown section of the route will be located in a subway under 2<sup>nd</sup> Street SW. Calgary Transit launched a Southeast Bus Rapid Transit service in 2009 which travels along a similar alignment to SE LRT. This service features articulated buses operating in mixed traffic aided by transit priority at intersections.

## North Central LRT

Planning is underway for a North Central LRT line between the downtown and communities developing north of Beddington Trail. The general concept for the North Central LRT alignment, approved by Council in 2006, will share a portion of the Northeast line from the downtown then travel along side the CPR railway located in the Nose Creek valley and then along Harvest Hills Boulevard north of 96<sup>th</sup> Avenue N. Two other corridors will be evaluated: Edmonton Trail and Centre Street. Public engagement is planned in 2011.

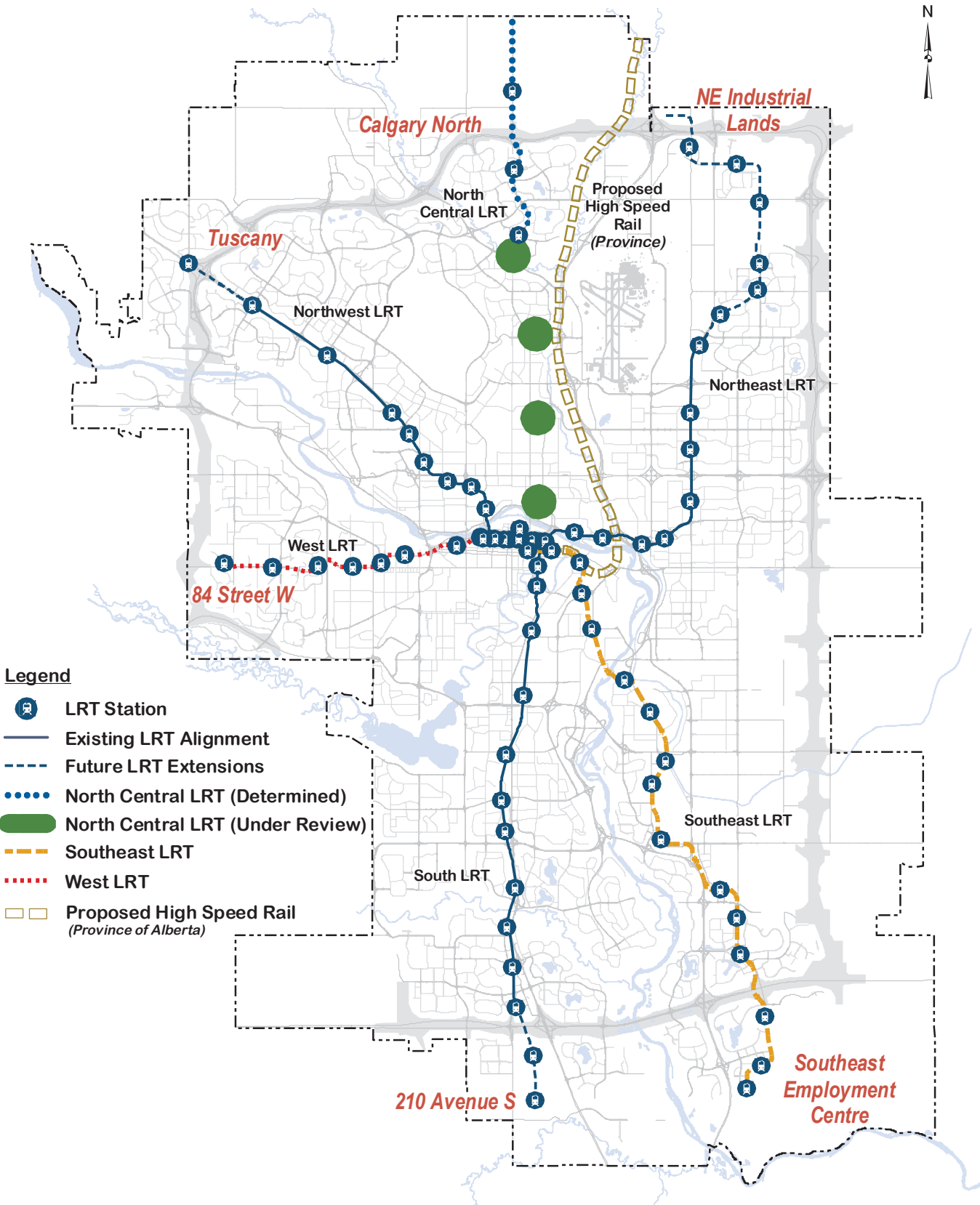
## Downtown-8<sup>th</sup> Avenue Subway

Today, CTrain service on the South and Northwest legs operate as one continuous route (Route 201). The Northeast leg (Route 202) terminates service at the west end of the downtown. In 2012, the Northeast LRT will be linked with the West line when it opens and will operate as a continuous service.






The 7<sup>th</sup> Avenue transit mall is restricted to the operation of CTraains, buses and emergency vehicles. Traffic signals are timed to facilitate CTraain operation (not preempted). Existing three-car station platforms in the downtown are currently being replaced and these new stations along with station modifications along the rest of the network will permit the operation of 4 car trains by 2014.

Early planning of the Calgary LRT network recognized the need to someday separate the combined operation of the South / Northwest and Northeast lines that currently operate jointly along 7<sup>th</sup> Avenue. Separation of these routes will eliminate delays that occur at the entry point to the downtown where the lines must be switched onto a common piece of track. Provision has been made for construction of a future subway under 8<sup>th</sup> Avenue S to accommodate the South / Northwest service. The Northeast / West route will remain on 7<sup>th</sup> Avenue. Building the 8<sup>th</sup> Avenue Subway will allow for higher capacity services on both lines. Detailed functional planning for this subway is just starting (2010) and the work will include a design for the subway required for the Southeast line under 2<sup>nd</sup> Street SW.

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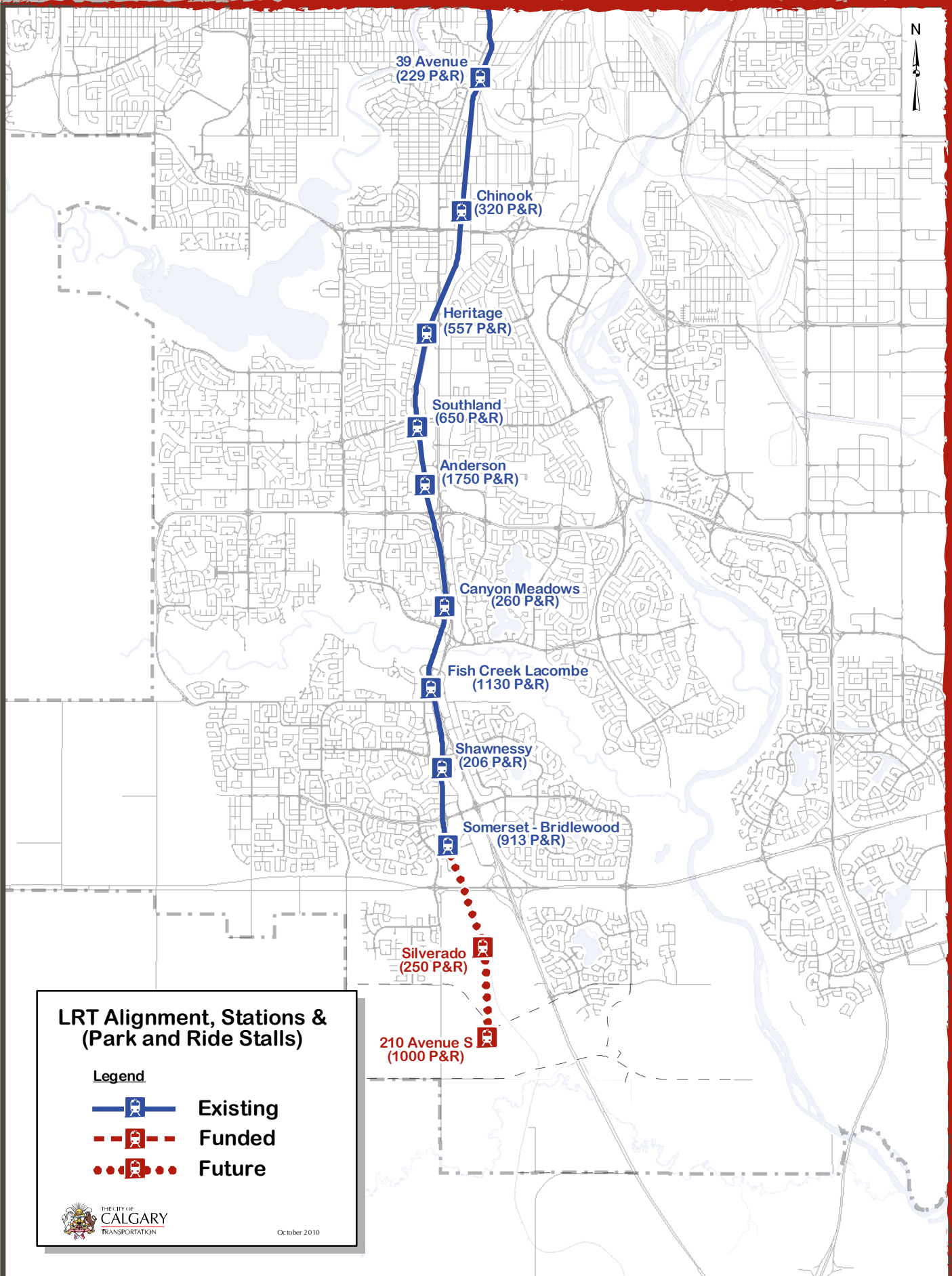


## Legend

-  LRT Station
-  Existing LRT Alignment
-  Future LRT Extensions
-  North Central LRT (Determined)
-  North Central LRT (Under Review)
-  Southeast LRT
-  West LRT
-  Proposed High Speed Rail (Province of Alberta)

# South LRT

## Alignment, Station Locations & Park and Ride Stalls



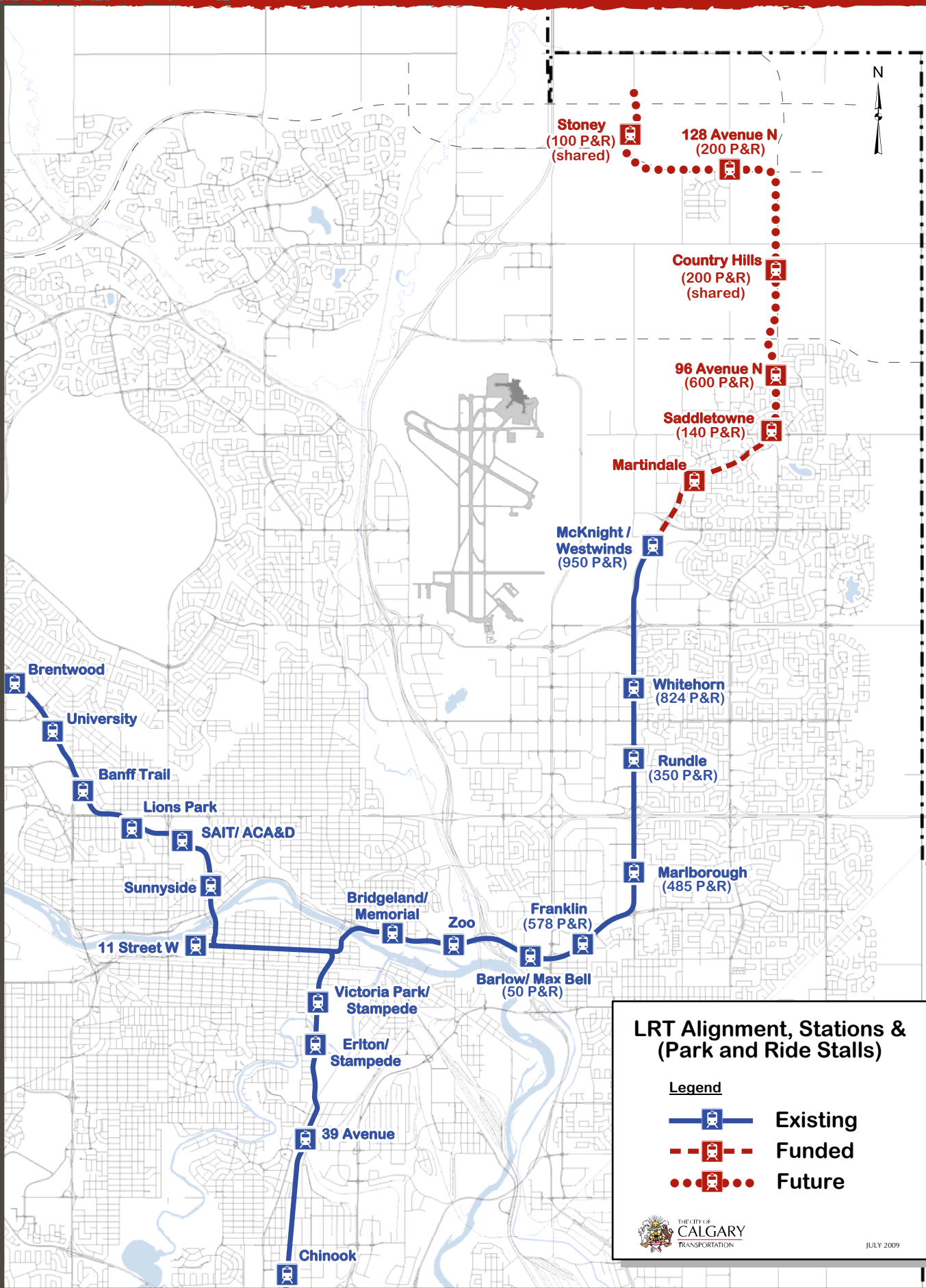
### LRT Alignment, Stations & (Park and Ride Stalls)

#### Legend

- Existing
- Funded
- Future

# Northeast LRT

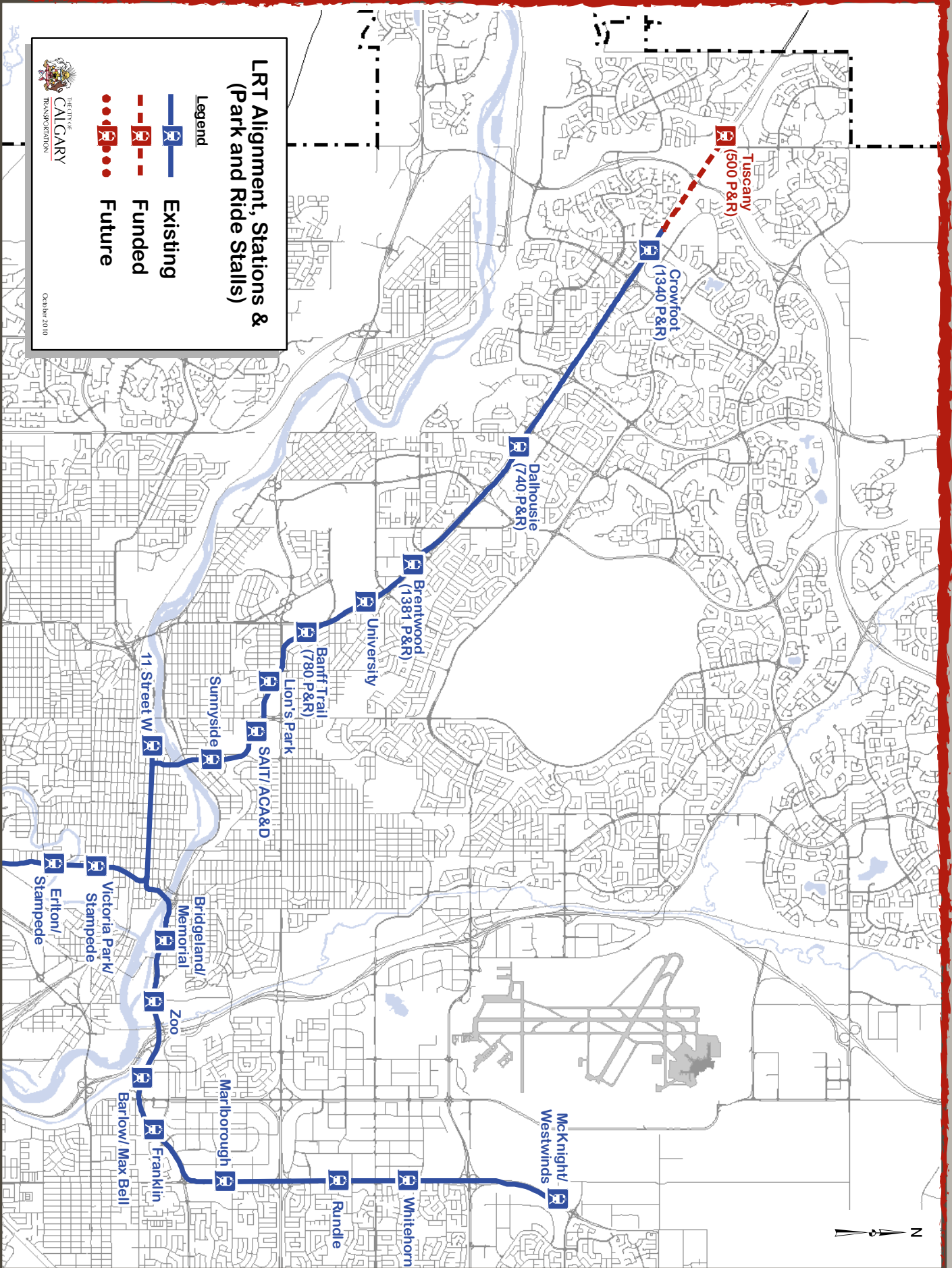
Alignment, Station Locations & Park and Ride Stalls



## LRT Alignment, Stations & (Park and Ride Stalls)

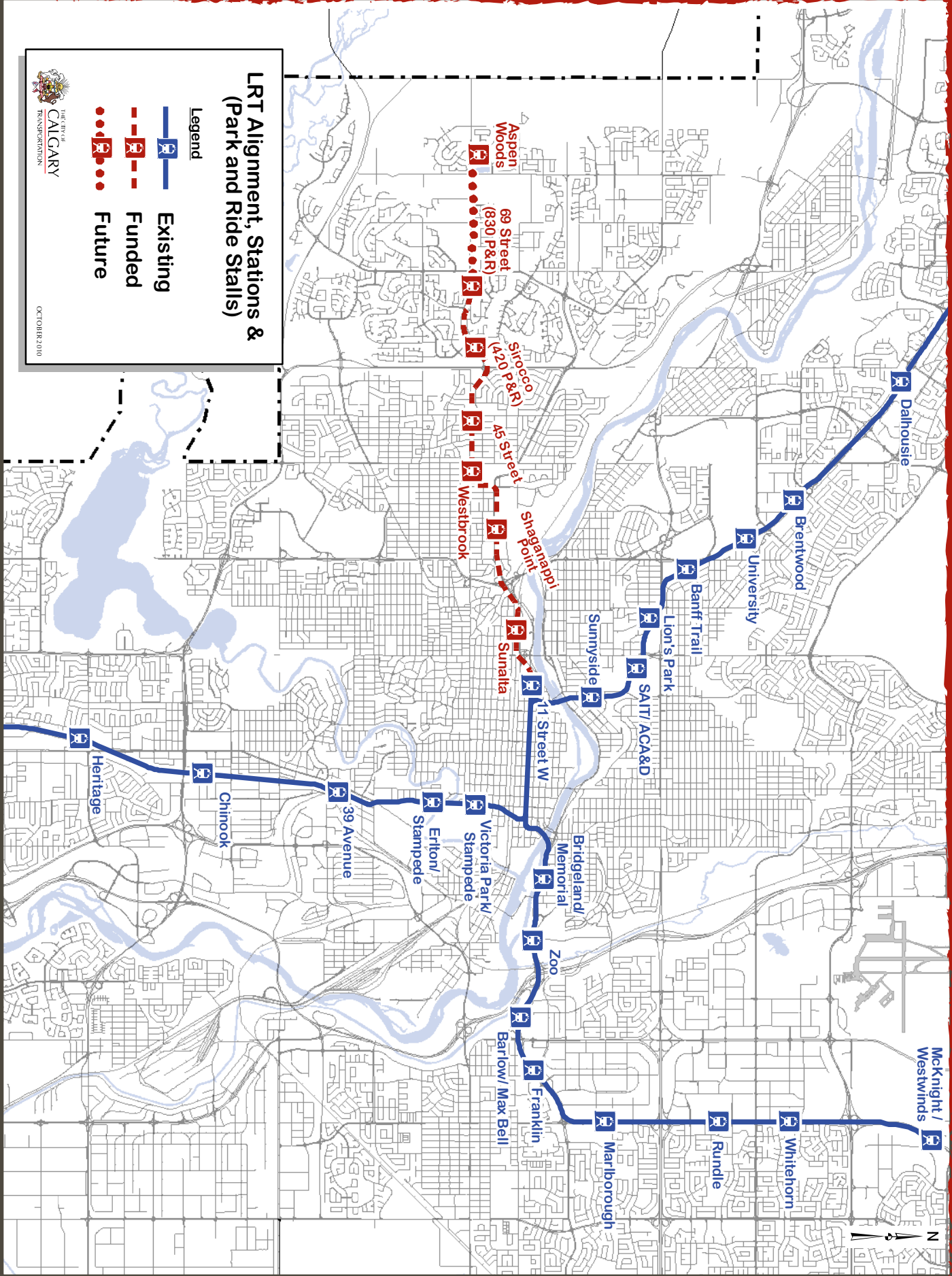
# Northwest LRT

## Alignment, Station Locations & Park and Ride Stalls



# West LRT

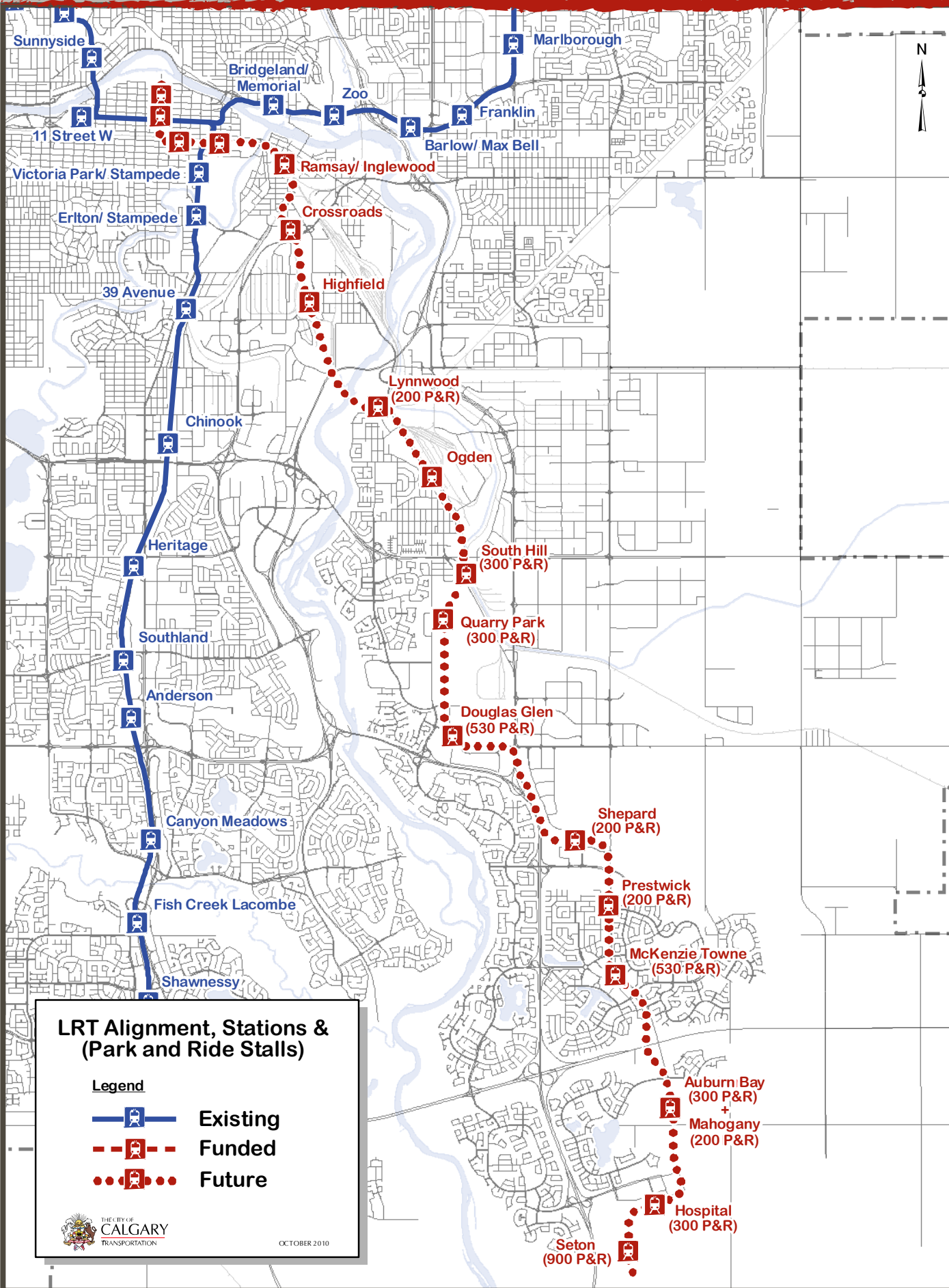
## Alignment, Station Locations & Park and Ride Stalls





# Southeast LRT

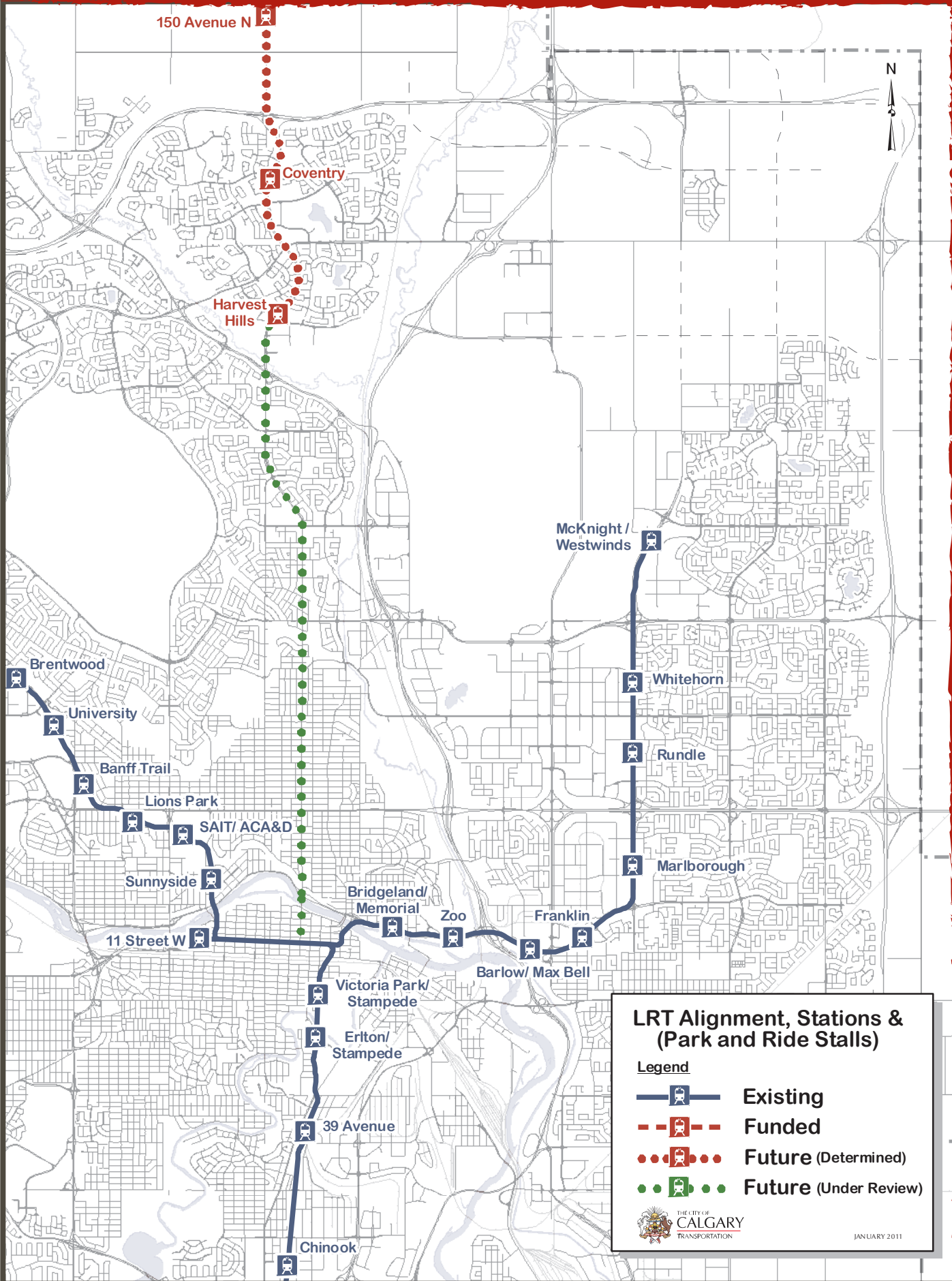
Alignment, Station Locations & Park and Ride Stalls



## LRT Alignment, Stations & (Park and Ride Stalls)

# North Central LRT

Alignment, Station Locations & Park and Ride Stalls



**LRT Alignment, Stations & (Park and Ride Stalls)**

**Legend**

- Existing
- Funded
- Future (Determined)
- Future (Under Review)

THE CITY OF CALGARY TRANSPORTATION

JANUARY 2011

# Downtown-8th Avenue Subway

