

SE CALGARY RING ROAD PROJECT THE SAGA OF THE RING CONTINUES

**CANADIAN SOCIETY OF CIVIL ENGINEERS
SOUTHERN ALBERTA SECTION**



**Presented By:
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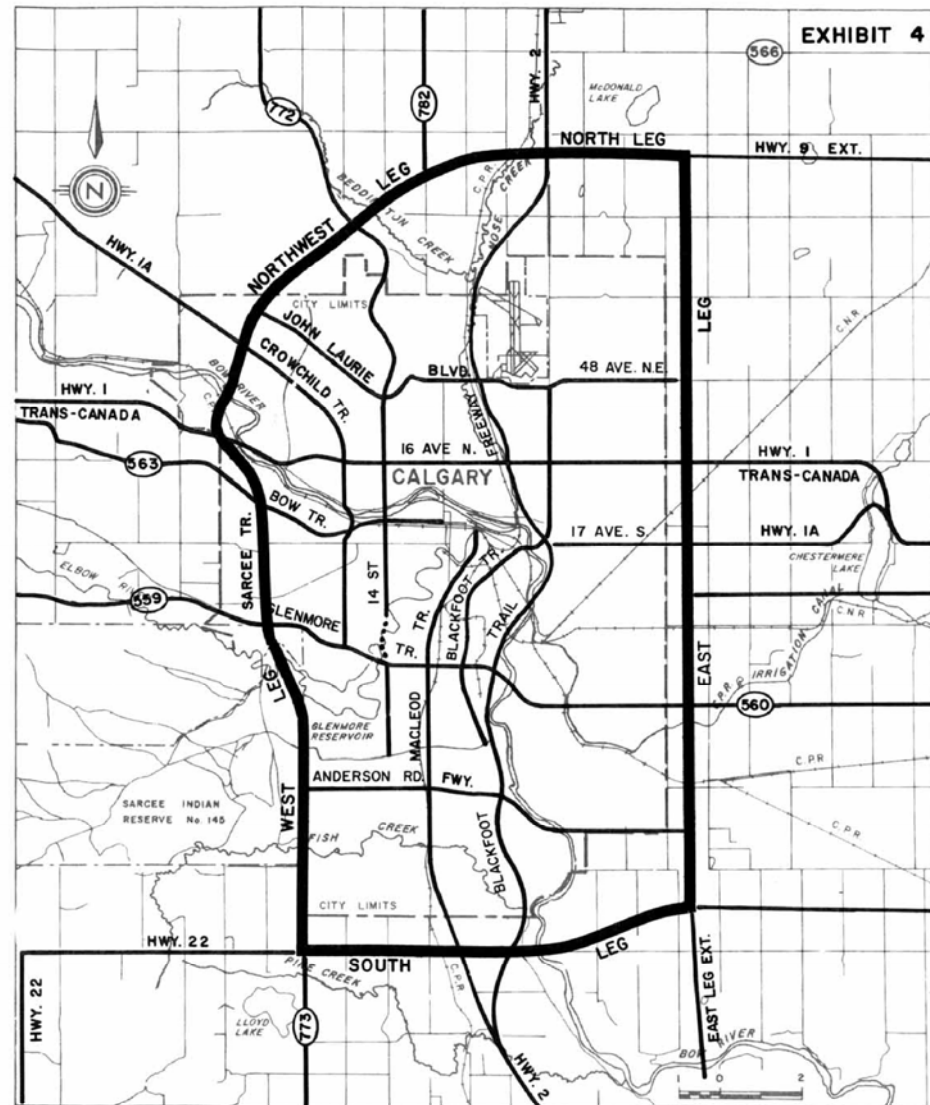
January 19, 2012

Presentation

- ❖ Introduction
- ❖ Background & History
- ❖ Ring Road Section Updates
 - ❖ NW Stoney Trail
 - ❖ NE Stoney Trail
- ❖ SE Stoney –
 - ❖ Project Elements
 - ❖ Interchanges
- ❖ MacLeod Trail / Stoney Trail
 - ❖ Interchange Upgrade
- ❖ Questions?

Background

1974 - Calgary Parkway Ring



PROPOSED PARKWAY RING ROAD

An Important Link...For Calgary & Alberta

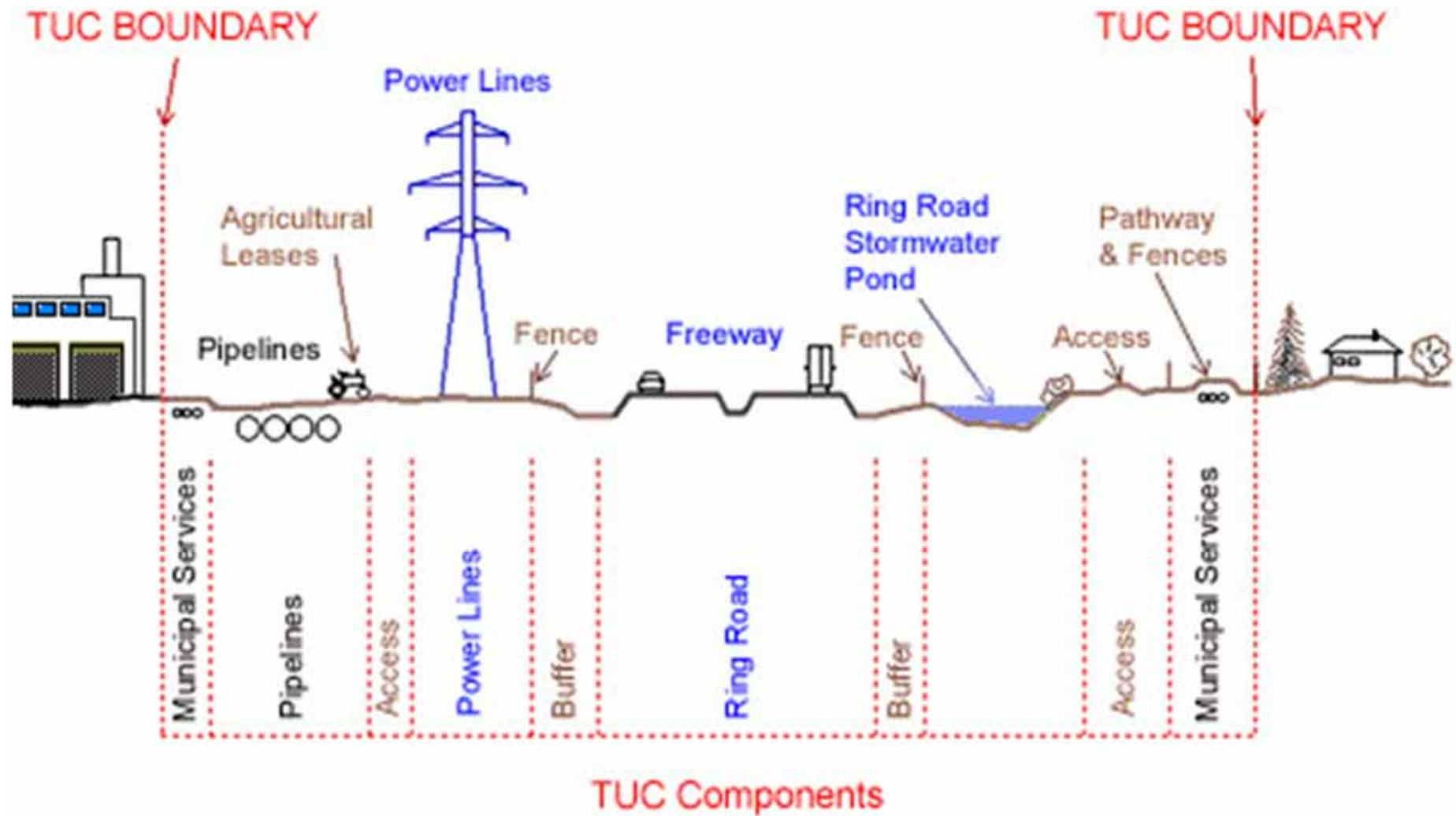
- ❖ A Calgary Ring Road has been envisioned, studied & planned for over 40 years
 - ❖ 1974 Land Acquisition for TUC Begins
 - ❖ 1976 Calgary Restricted Development Area Established
 - ❖ 1985 Calgary Transportation/Utility Corridor Reassessment
 - ❖ 1987 Sarcee Trail Extension Transportation Corridor Study
 - ❖ 1991 Agreement between City of Calgary and Province of Alberta on design, construction and maintenance of the Ring Road

Background

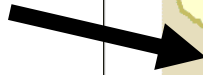
Calgary Transportation and Utility Corridor



TUC TYPICAL CROSS SECTION



NW Stoney Trail



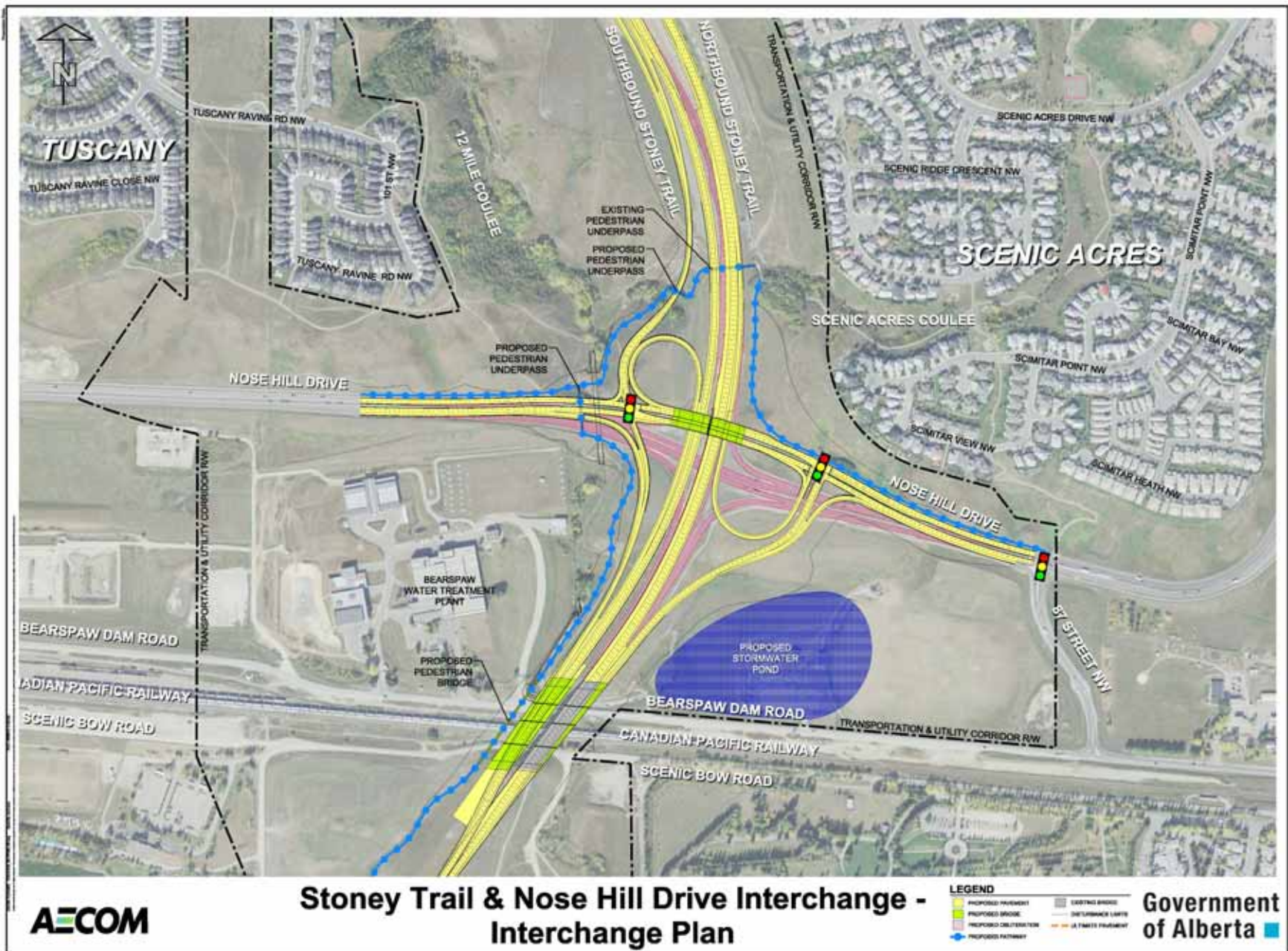
RING ROAD SECTIONS

NW Stoney Trail – Current Projects

- ❖ Opened to Deerfoot Trail from the Trans Canada Highway – Nov. 2009
- ❖ Completion of the Crowchild Trail / Stoney Trail Interchange – 2012
- ❖ Construction of the Nose Hill Drive / Stoney Trail Interchange – Fall 2013

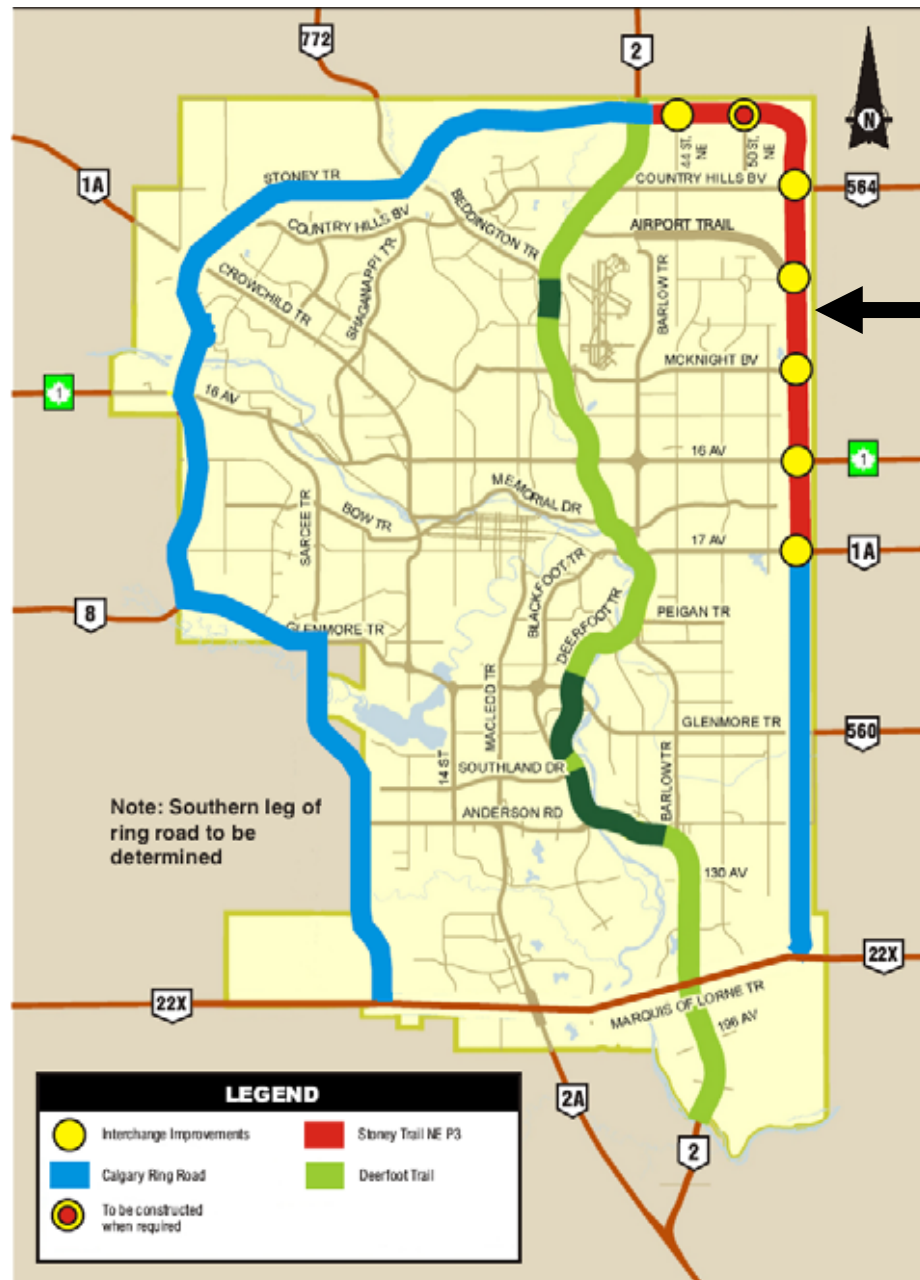


Crowchild Trail / Stoney Trail Interchange Looking West



Future Nose Hill Drive Interchange

RING ROAD SECTIONS



NE Stoney Trail

NORTH EAST STONEY TRAIL

- ❖ Deerfoot Trail / Stoney Trail to 17th Ave. SE.
- ❖ Project – 21 kms. of new road, 6 Interchanges and 22 bridge structures

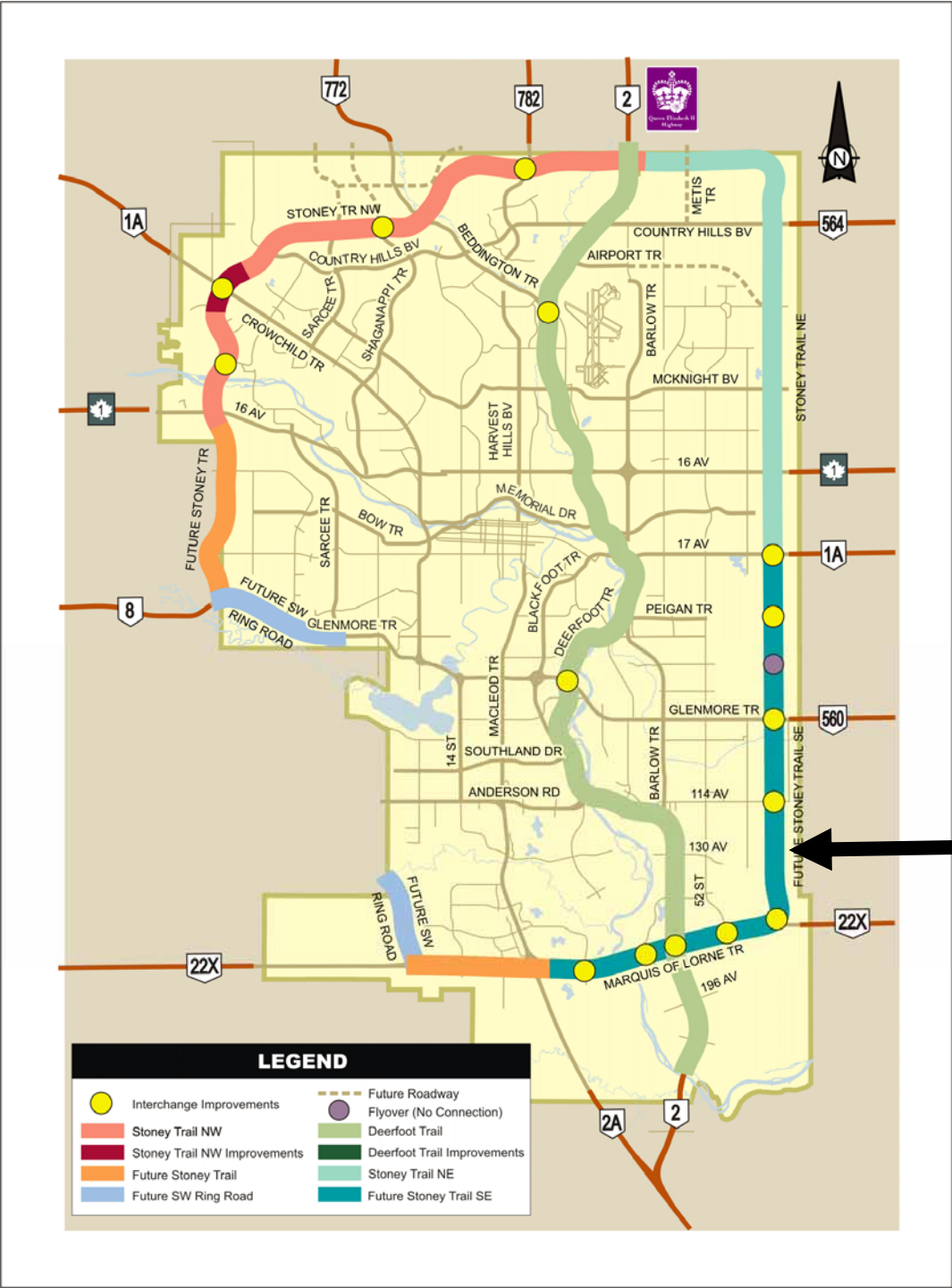
NORTH EAST STONEY TRAIL

- ❖ RFQ for Design/Build/Finance/Operate Teams issued on Feb. 24, 2006
- ❖ RFP issued May 01, 2006
- ❖ P3 Agreement Signed on Feb. 15, 2007
- ❖ Opened to traffic on November 02, 2009
- ❖ No New Projects Currently Planned

The City of Calgary

2010 Average Daily (24hr) Weekday Traffic Volume





RING ROAD SECTIONS

SE Stoney Trail

South East Stoney Trail

- ❖ Functional Planning Study – Completed Feb./06
- ❖ 17th Ave S.E. (1A Hwy.) to Deerfoot Trail / Marquis of Lorne Trail
- ❖ Project — 25 kms. of new and upgraded six lane roadway, 9 Interchanges, 2 railroad crossings and 27 bridge structures

South East Stoney Trail

- ❖ Designed for a population of 2.1 million
- ❖ Mainline – Six lanes (three in each direction), can be expanded to Eight lanes
- ❖ Fully grade separated, free flow from initial opening.

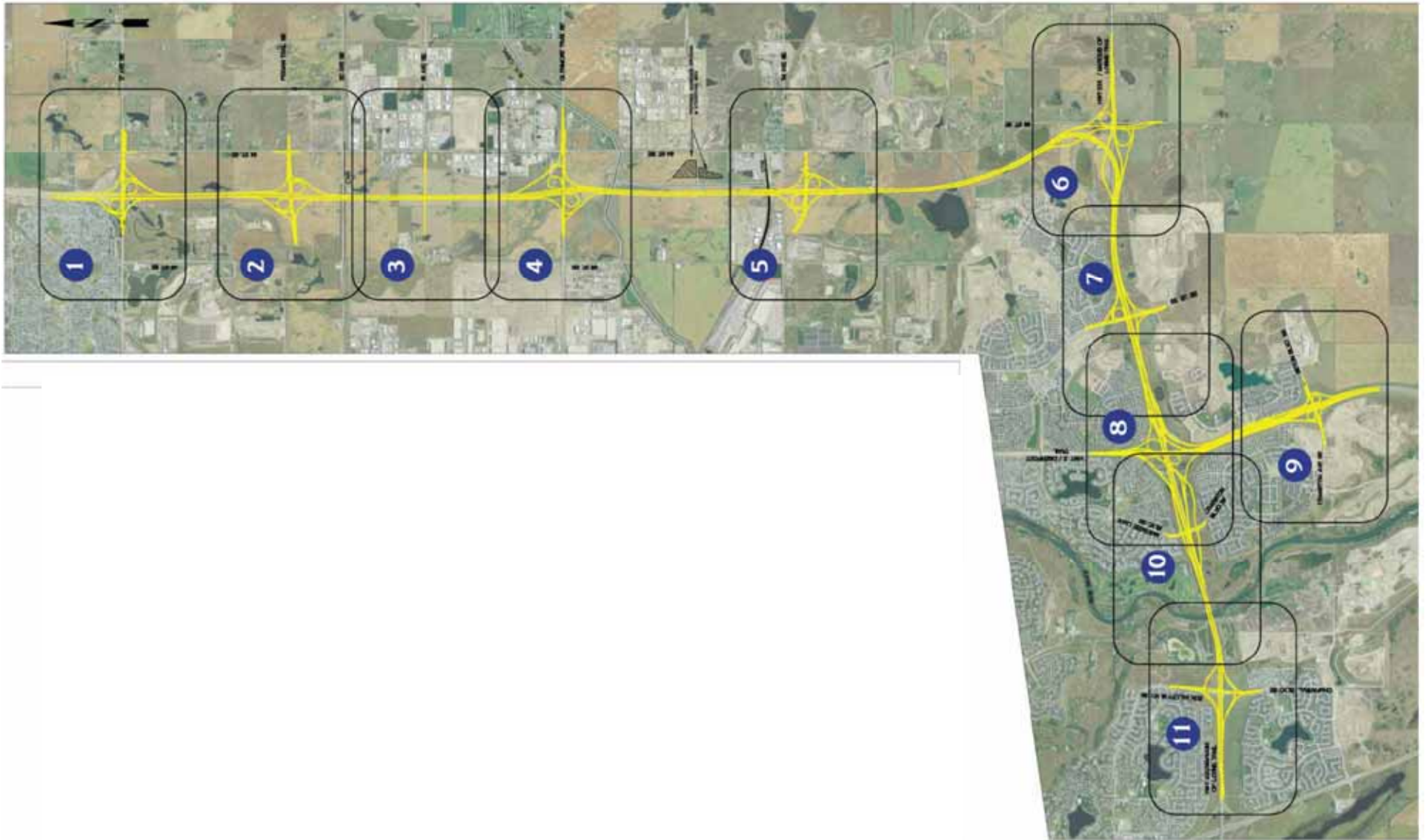
South East Stoney Trail

- ❖ RFQ for Design/Build/Finance/Operate Teams issued on Mar. 11, 2009
- ❖ RFP issued May 19, 2009
- ❖ P3 Agreement Signed on March 31, 2010
- ❖ Open to traffic on September 30, 2013
- ❖ Successful Proponent – Chinook Roads Partnership
- ❖ Two Design Teams – Stantec and SNC Lavalin

South East Stoney Trail

COMPONENTS OF THE WORK

- ❖ EARTHWORKS - 14 MILLION CUBIC METRES
- ❖ GBC - 2.2 MILLION TONNES
- ❖ ACP - 600,000 TONNES
- ❖ NUMBER OF GIRDERS - 740 GIRDERS – 27 BRIDGES
- ❖ STRUCTURAL CONCRETE - 31,000 CUBIC METRES
- ❖ PILES - 34,000 LINEAL METRES
- ❖ MSE WALLS - 24,000 SQUARE METRES



















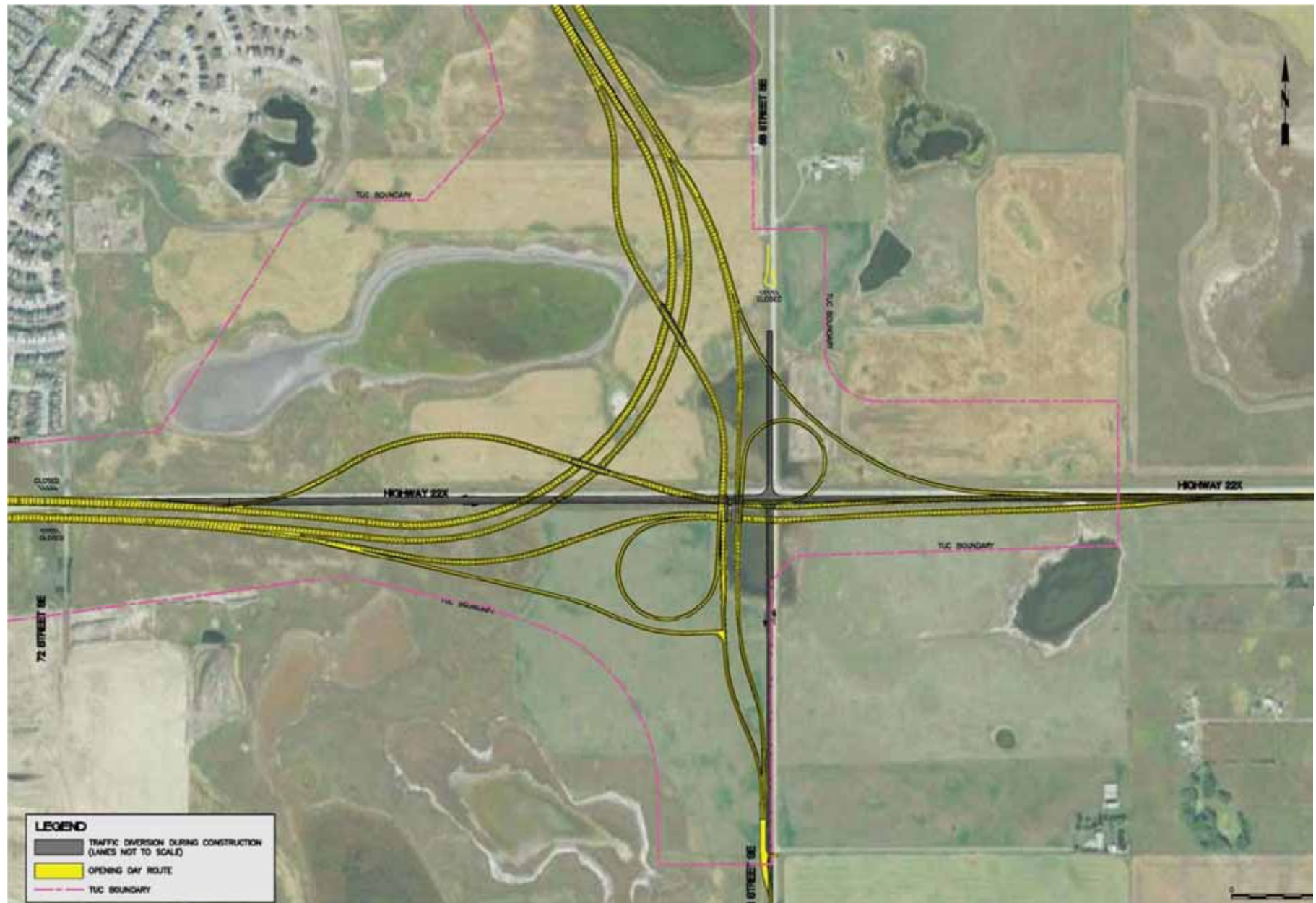












































MacLeod Trail
and Stoney Trail



Stoney Trail (HWY 22X) and Macleod Trail Interchange Plan

Questions?

For more information:

www.transportation.alberta.ca