

# Welcome Consultation Session August 21, 2011



### Agenda

- Welcome
  - Translation services
  - Welcome comments
  - Agenda review
  - Meeting purpose
  - Roles & responsibilities
- Workshop #1: what we learned
- Context: what is low-floor LRT?
- Building LRT options activity
- Small group reports
- Next steps



### **Meeting Purpose**

- Re-engage with the local community/property owners (102 Ave./102A Ave. b/w 95 St. and 97 St.)
  - Focus on the study area & relevant options
- Expand our understanding of local concerns & opportunities
- Collectively develop four LRT options (within the study area) for further analysis



#### Roles & Responsibilities

- Role of the facilitator
  - Lead the meeting
  - Keep team on schedule
  - Keep the team focused
  - Manage the parking lot
  - Ensure broad participation
  - Achieve the goals of the meeting



#### Roles & Responsibilities

- Role of all active participants
  - Focus on the task
  - Be open, honest, & respectful of various opinions
  - Consider the variety of potential stakeholders (outside of this room)
  - Be open to new ideas & options
  - Focus on the creation of options (not just what we individually think is 'the right answer')





# West LRT Downtown Connection Southeast LRT



# Project Status

www.edmonton.ca/LRTProjects

Strategy CONCEPT

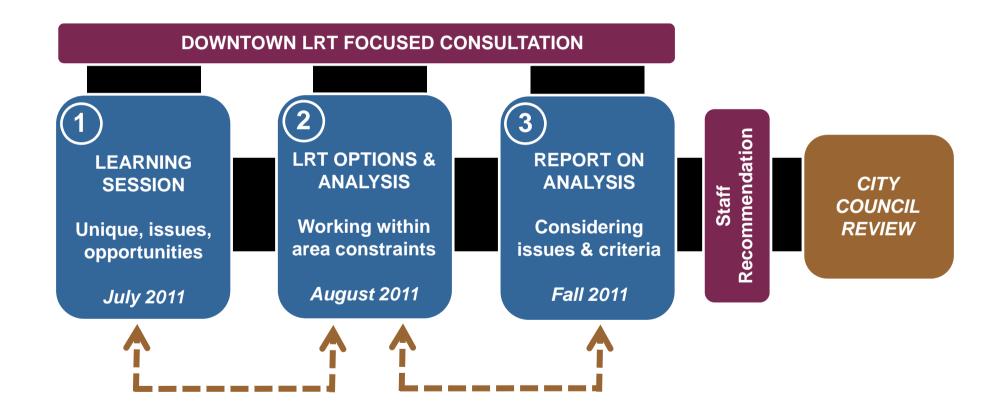
Design

Build

Operate

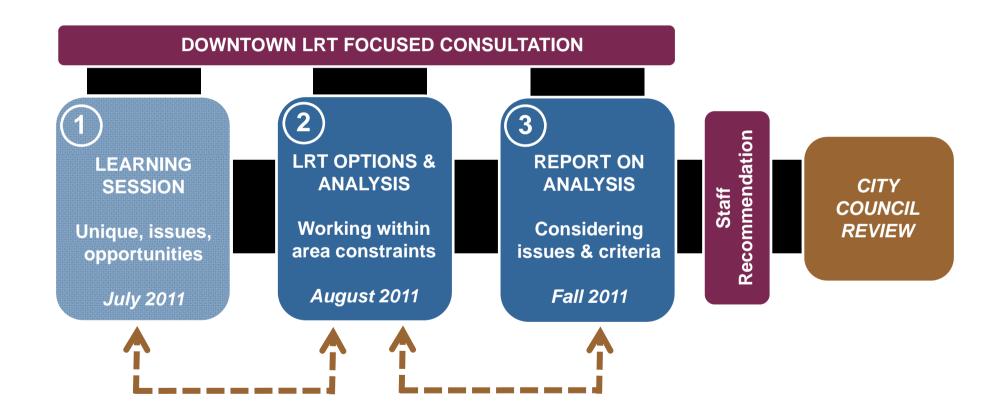


#### **Focused Consultation**





#### **Focused Consultation**





#### Workshop #1: What We Learned

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Importance of the China Gate's historic & cultural significance

Critical community & cultural identification of 102 Avenue area (core of the Chinese community)

Importance of 102 Avenue carrying many pedestrians, buses, & traffic

Less activity & multiple vacant lots along 102A Avenue

Underground LRT option mitigates potential negative impacts

Benefits of more development & activity to draw new people

Critical importance of emergency access

Importance of vehicular access & parking

Importance of the pedestrian realm & mid block crossings (seniors & local businesses)



### Simple Stations/Low Platforms







#### **Low Floor LRT Trains**











### **Integrated Into Streets**







### Integrated Into Communities













### **Limited Barriers**













### Design Reflecting the Community

















#### What is Low-Floor LRT





#### Riding the Low-Floor LRT





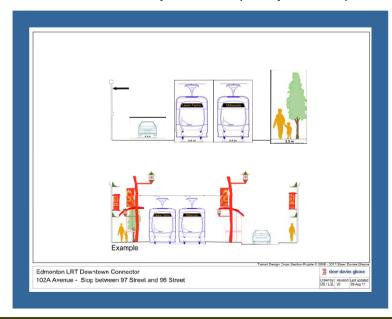
### **Building LRT Options Activity**

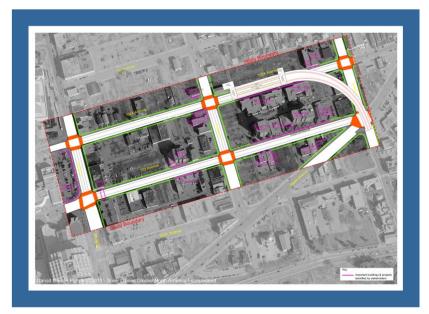
- Each group is led by a team facilitator
- Collaboratively design four potential LRT options
  - 102A Surface LRT
  - 102A Sub-surface LRT
  - 102 Surface LRT
  - 102 Sub-surface LRT
- Its 'ok' if you do not support either the 102 or 102A options
- Participate in creating all four design options
  - Each will be evaluated in the next stage
- Embrace the opportunity to understand the options, constraints & to identify potential mitigation measures
- Have fun designing the options



### Help and Facilitation

- Your facilitator will aid your table in developing designs
- Materials:
  - Study area map/aerial
  - Cross section (photo view)
  - Track pieces (map view)







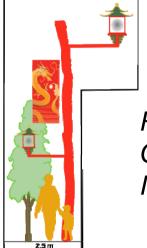
#### **Puzzle Pieces**

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- Pieces are sized accurately
- Combine the pieces to develop various options
- Your facilitator is here to help
- Please ask questions
- These are not the proposed design
- 'You create the design'



Typical Street



Reinforce Cultural Identity



### Puzzle Map Details

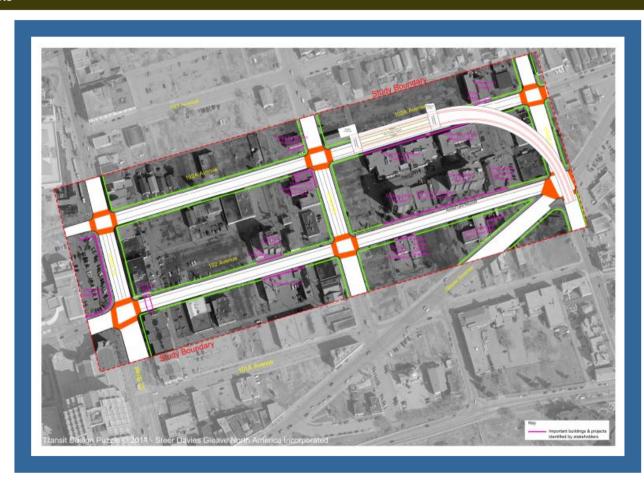
www.edmonton.ca/LRTProjects

General property boundary

Important resources

Pedestrian crossings

Study area





### **Options Development**

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# Option 1 – Surface LRT 102A Ave. (25 minutes)



#### **Surface Track Construction**

- Surface track One construction cycle
- Greater opportunity to maintain business/local access during construction











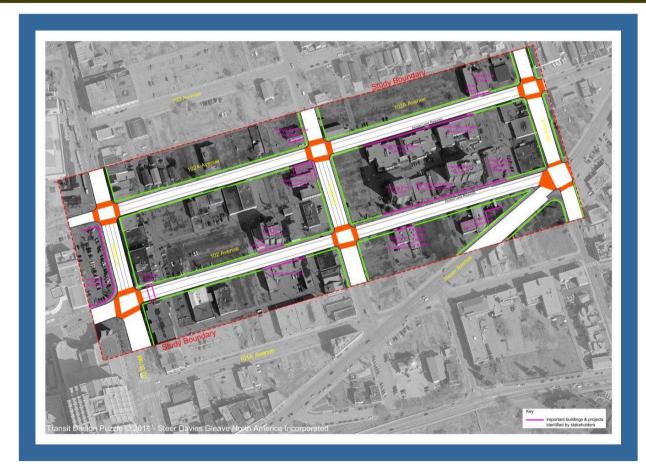
### Option 1 – Design Requirements

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Track width

Dedicated LRT alignment

**Portal** 



Curves

Platform size

Cost

Traffic lane



### **Options Development**

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# Option 2 – Underground LRT 102A Ave. (20 minutes)



#### **Underground Station Construction**

- Canada Line Vancouver City Centre 2.5 year construction
- Impacts only mitigated following construction



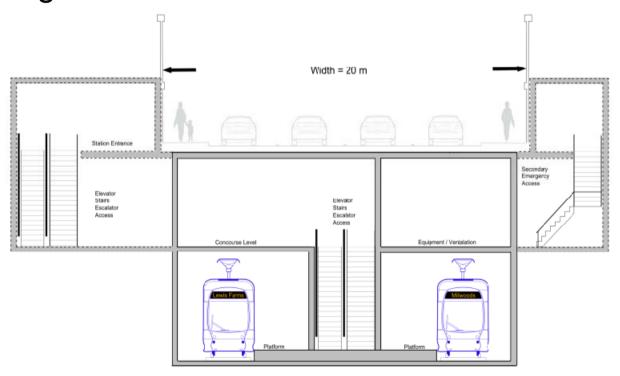




### **Underground Station Option**

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Capital Cost - 10 times surface station & increases operating costs





#### Option 2 – Design Requirements

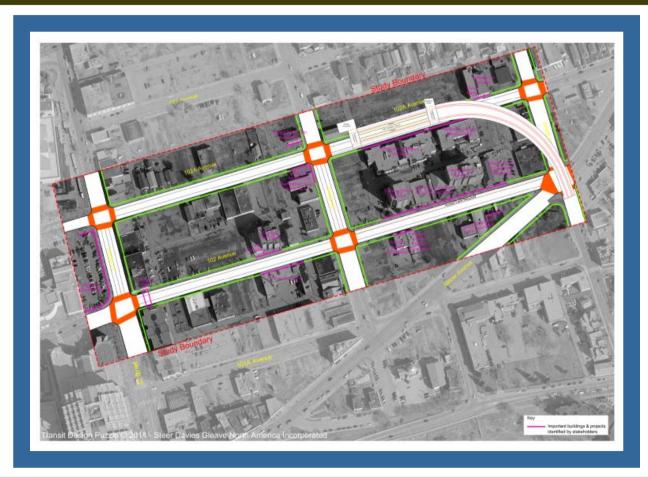
www.edmonton.ca/LRTProjects

102 or 103 Avenues

Cross 97 St. on surface

Dedicated LRT alignment

Portal



Curves

Underground station size (optional)

Platform size

Cost

Track width

Traffic lane



### **Options Development**

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# Option 3 – Surface LRT 102 Ave. (25 minutes)



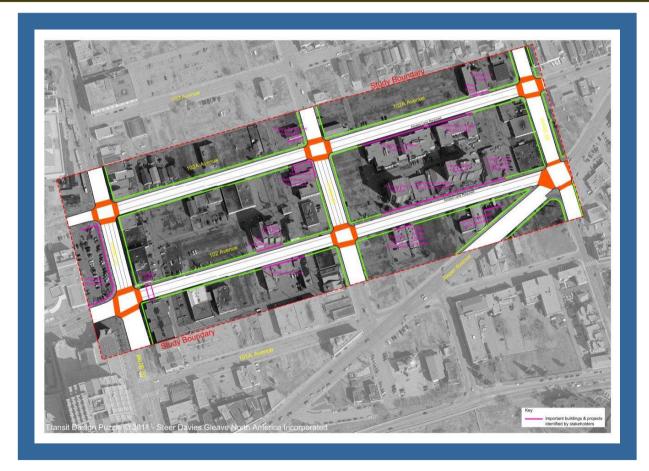
### Option 3 – Design Requirements

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Dedicated LRT alignment

Track width

Traffic lane



Curves

95 Portal

Platform size

Cost

**Portal** 



### **Options Development**

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## Option 4 – Underground LRT 102 Ave. (20 minutes)



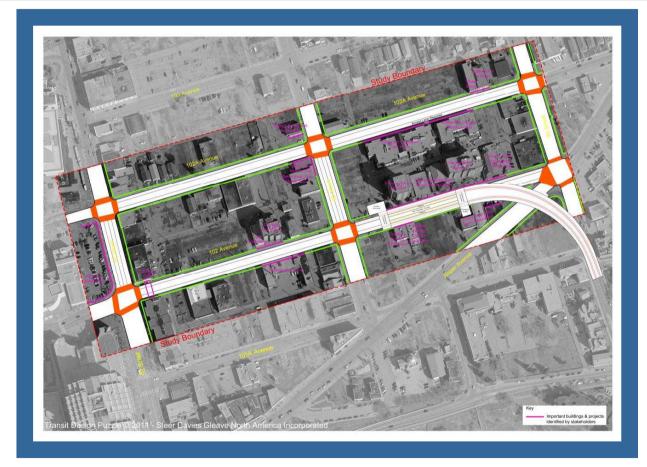
### Option 4 – Design Requirements

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102 or 103 Avenues

Dedicated LRT alignment

Cross 97 St. on surface Portal



Curves

Underground station size (optional)

Platform size

Cost

Track width

Traffic lane



### **Small Group Reports**

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## Table Reports (45 minutes)



#### **Next Steps**

- The options developed by each table will be refined & common themes identified
- Four composite options will be developed
- These options will be reviewed against City Council's evaluation criteria
- The results will be reported back at our final session
  - Administration will present the recommended option
- Your comments on the recommended option will be provided to Transportation Infrastructure Committee
- You will have the opportunity to provide your views to Transportation Infrastructure Committee



#### Capital City Downtown Plan Criteria

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#### **Category**

**LRT Alignment** 

Catchment

**Land Use Integration** 

**Transportation Network Integration** 

**Urban Design** 

**Urban Form** 



#### Council Approved Criteria Categories

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#### **Category**

Land Use/Promoting Compact Urban Form

**Movement of People/Goods** 

Feasibility/Constructability

Parks, River Valley, and Ravine System

**Social Environment** 

**Natural Environment** 



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#### Land Use / Promoting Compact Urban Form

#### Catchment

- Transit integration
- Population within 400m
- Employment within 400m
- Student population within 400m
- Future population
- Future employment

#### Land Use Integration

- "Number of activity centres (employment, theatres, colleges, residences, shopping, etc.)"
- Supportive of TMP, MDP and CCDP
- Housing density
- Zoning
- Development proposals
- Vacant land

#### Urban Design

- Opportunities for improved streetscape, boundary treatment, landscaping, planting, trees
- "Community identity through the linking of CCDP-designated zones or neighbourhoods"
- Ability to facilitate TOD
- Impetus for redevelopment
- Facilitation of increased density/mixed use development

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#### **Movement of People / Goods**

#### Transportation Network Integration

- ROW within street
- Transit ridership
- Integration with transit
- Integration with cycles
- Integration with pedestrians
- Transit network impacts
- Road network impacts

#### Feasibility / Constructability

#### LRT Alignment

- Capital cost
- Operating cost
- Grade separation
- Impact on bus services
- Cost per rider
- Route length
- Grade crossings (intersections)
- Number of stops
- Average stop spacing
- Connections to future Routes

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#### **Social Environment**

#### Property Impacts

- Property and land impacts
- Heritage building impacts
- Cultural / heritage sites adjacent to route

#### **Urban Form**

- "Could neighbourhood impacts be avoided, minimized, or mitigated; or are they irresolvable?"
- Creation of physical barriers or severance
- Noise and vibration impacts

#### Catchment

- Employment generated
- Student population within 400m
- Lower income / no car / seniors within 400m

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#### Parks / River Valley & Ravine System

#### Urban Design

- Opportunities for improved streetscape, boundary treatment, landscaping, planting, trees
- Impacts on parks/open space

#### **Natural Environment**

#### Not Applicable

- Impact on riparian habitat
- Stream / rivers crossed
- Consistent with regulations governing natural areas
- Area disturbed during construction

### **Underground Station Option**

- Canada Line Vancouver City Centre 2.5 year construction
- Impacts only mitigated following construction







#### **China Gate Option**

- Gate higher than the LRT wires
- China Gate continues to serve as the 'entry' to the community





### **Next Steps**

- Wrap up meeting accomplishments
- Next meeting: early October (details TBD)
- Next meeting topics & expectations
- Closing comments





#### **Thank You!**

