Downtown LRT Connector
Concept Plan

Transportation & Infrastructure Committee
November 15, 2011
West LRT
Downtown Connection
Southeast LRT

Existing LRT
Future LRT
Planned to be built by 2014
1. Consult with Grant MacEwan University and NorQuest College to reconsider the diagonal station near 104 Avenue and 107 Street.

2. Consult with the Chinese Benevolent Society, Boyle Street and other affected stakeholders:
   a. on 102 Avenue and 102A Avenue between 95 Street and 97 Street
   b. to develop designs to mitigate the impacts of the LRT portal including possible deletion of the 102 Avenue eastbound travel lane between 95 Street and 96 Street as a means to avoid property acquisition on the south side of 102 Avenue.
Downtown LRT Connector Concept Plan

107 Street Station
107 Street Station – On Street Option

www.edmonton.ca/LRTProjects
107 Street Station

- Preliminary engineering includes the development of both options
- Commitment and financial support from NorQuest College and Grant MacEwan University required for the Diagonal in order to proceed.
- Diagonal Station must be developed consistent with principles in the CCDP.
Downtown LRT Connector
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Quarters Area
2. Consult with the Chinese Benevolent Society, Boyle Street and other affected stakeholders:
   
a. on 102 Avenue and 102A Avenue between 95 Street and 97 Street

b. to develop designs to mitigate the impacts of the LRT portal including possible deletion of the 102 Avenue eastbound travel lane between 95 Street and 96 Street as a means to avoid property acquisition on the south side of 102 Avenue.
Public Involvement

DOWNTOWN LRT FOCUSED CONSULTATION

1. LEARNING SESSION
   Issues & opportunities
   July 2011

2. LRT OPTIONS & ANALYSIS
   Working within area constraints
   August 2011

3. REPORT ON ANALYSIS
   Considering issues & criteria
   Fall 2011

Staff Recommendation

CITY COUNCIL REVIEW

THE CITY OF Edmonton
Key Stakeholder Themes:

- Chinatown Gate
- Community/Cultural Identification
- 102 Avenue – high activity centre.
- 102A Avenue – lower activity/more vacant lots
- Underground Option
- Development/Housing
- Parking/Vehicular Access
- Pedestrian Realm & Crosswalks
Participants attending this session were split into five groups, with each group given the opportunity to design four LRT options within the study boundary.

The four options included:

• 102A Avenue Surface
• 102A Avenue Underground
• 102 Avenue Surface
• 102 Avenue Underground
Key Stakeholder Themes

- Reinforce cultural character of the street/area
- Need LRT stop
- Avoid impacting buildings
- Access and parking
- Chinatown gate
- Provide pedestrian crossings midblock
102 Avenue Underground Option

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102A Avenue Surface Option

102A AVENUE SURFACE OPTION
## Overall Evaluation

<table>
<thead>
<tr>
<th>Category</th>
<th>102 Avenue</th>
<th>102A Avenue</th>
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<tbody>
<tr>
<td></td>
<td>Surface</td>
<td>Underground</td>
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<tr>
<td>Feasibility / Constructability</td>
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<tr>
<td>Land Use / Promoting Compact Urban Form</td>
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<tr>
<td>Movement of People / Goods</td>
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<tr>
<td>Natural Environment</td>
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<td>Not applicable to Downtown LRT</td>
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<tr>
<td>Parks, River Valley, and Ravine System</td>
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<tr>
<td>Social Environment</td>
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<td>Overall Evaluation</td>
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Stakeholder Key Themes

- Preference for 102A Avenue (more distance from activity centres)
- Portal (barrier for pedestrians)
- Access/circulation (pedestrian and vehicle)
- Development opportunities
- Chinatown Gate
Previous Concept Plan
Revised Concept Plan

- Stop moved to south side of 102 Avenue
- Cultural identity could be reinforced along 102 Avenue between 97 Street & 95 Street
- Chinatown Gate retained
- Parking and access provided
- Parking and access provided on north side
- Portal width reduced & portal moved west
- Mid-block pedestrian crossing
- Mid-block pedestrian crossing - 15m east of existing
- Eastbound traffic lane and property impact removed

Design Elements:
- LRT at street level
- Underground LRT
- Sidewalks
- LRT stop platform
- On-street parking
- Roadworks
- Tunnel portal
- Property requirements

THE CITY OF Edmonton
Downtown LRT
Concept Plan

THANK YOU