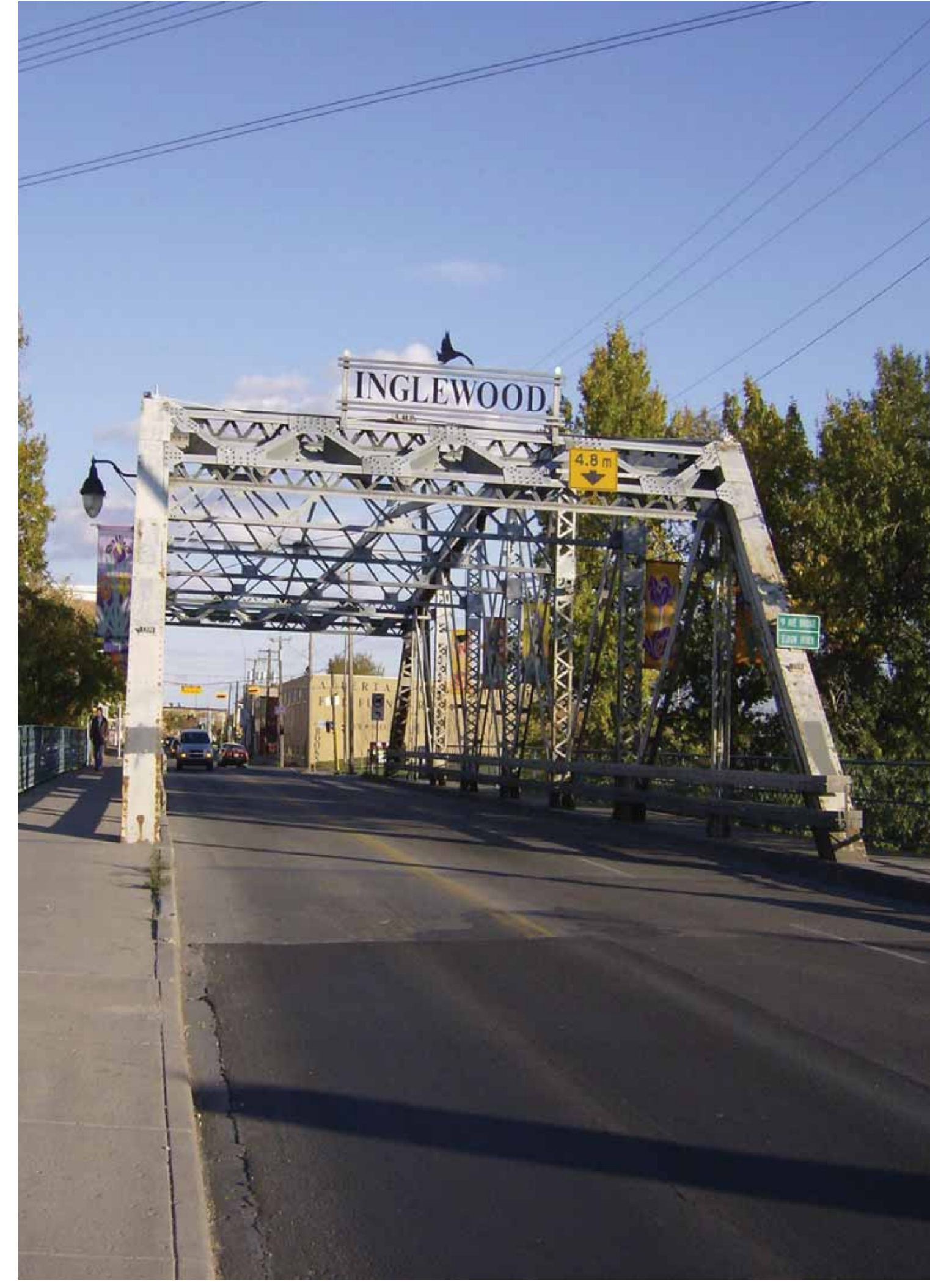




# southeast 17 corridor



## Inglewood Transit Study Open House



### WELCOME!

Thank you for attending our open house. There will be no formal presentation today, so please take the time to read the boards. If you have any questions, please do not hesitate to approach one of our representatives.

*Please complete a comment sheet before you leave.*



4 pm to 8 pm  
April 21, 2010

Hosted by:  
AECOM on behalf of the City of Calgary



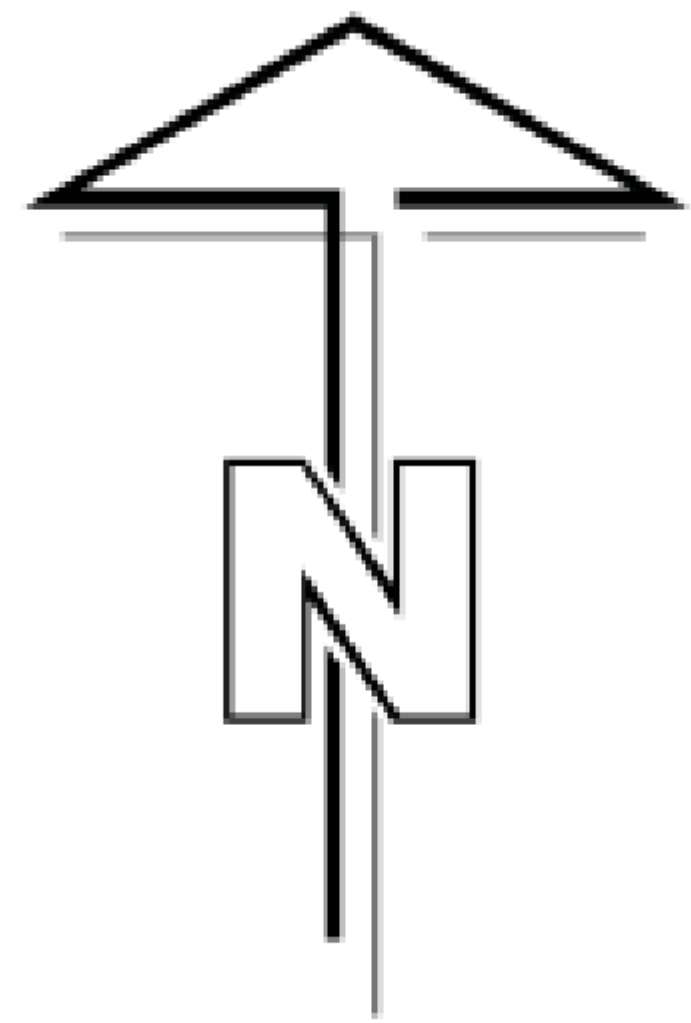


# southeast 17 corridor



## Inglewood Transit Study

### LOCATION MAP



Please put a pin on the map to indicate where you live.







# southeast 17 corridor



## Inglewood Transit Study

### BACKGROUND

The Inglewood Transit Study is part of the 17<sup>th</sup> Ave SE Transportation Planning Study, which The City of Calgary has initiated to identify the future transportation requirements for the corridor.



### PURPOSE OF THE INGLEWOOD TRANSIT STUDY

The overall project purpose is to provide The City of Calgary with a recommended transportation plan for 17 Ave SE, to include reserved transit lanes with continuous transit service leading into the downtown through Inglewood.

In Inglewood, the study will consider existing and future transit needs of the community, in order to accommodate enhanced transit service.

### STUDY GOALS AND OBJECTIVES

- Identify a preferred transit route that will meet both the short and long term needs of the community.
- Complement the work being done to establish a transit corridor along 17 Avenue SE.
- Recognize Calgary Transportation Plan and the Primary Transit Network.
- Encourage redevelopment at the Blackfoot truck stop by indentifying potential land requirement.





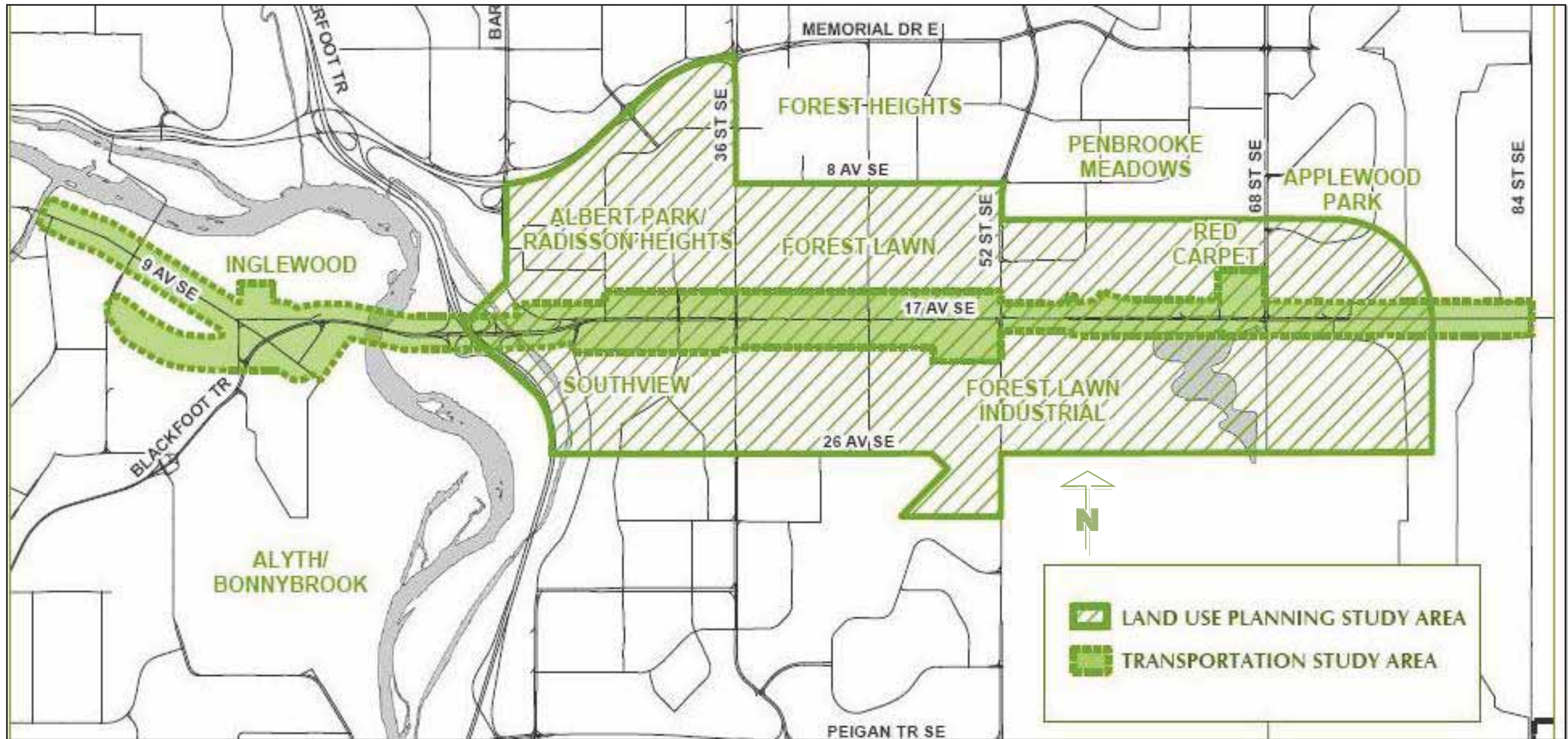


# southeast 17 corridor



## Inglewood Transit Study

### STUDY AREA







# Inglewood Transit Study

## STUDY PROCESS

The main components of the study process are:

- Collection and analysis of information about the study area
- Development of alternatives (preliminary route concepts)
- Open House #1 - Show potential route option & request feedback
- Reviewing public input from Open House#1 and other stakeholders to date
- Refining alternatives
- Evaluating the options/alternatives
- **Open House #2 - Show study progress & preferred short term and long term alternatives**
- Recommendations and report







## Inglewood Transit Study

### PURPOSE OF OPEN HOUSE #2

Today's event presents:

- Summary of feedback from Open House #1
- Transit policies relevant to Inglewood
- New transit concepts for short and long term transit in Inglewood
- Preferred short and long term alternatives
- Opportunities to ask questions and provide feedback on these options





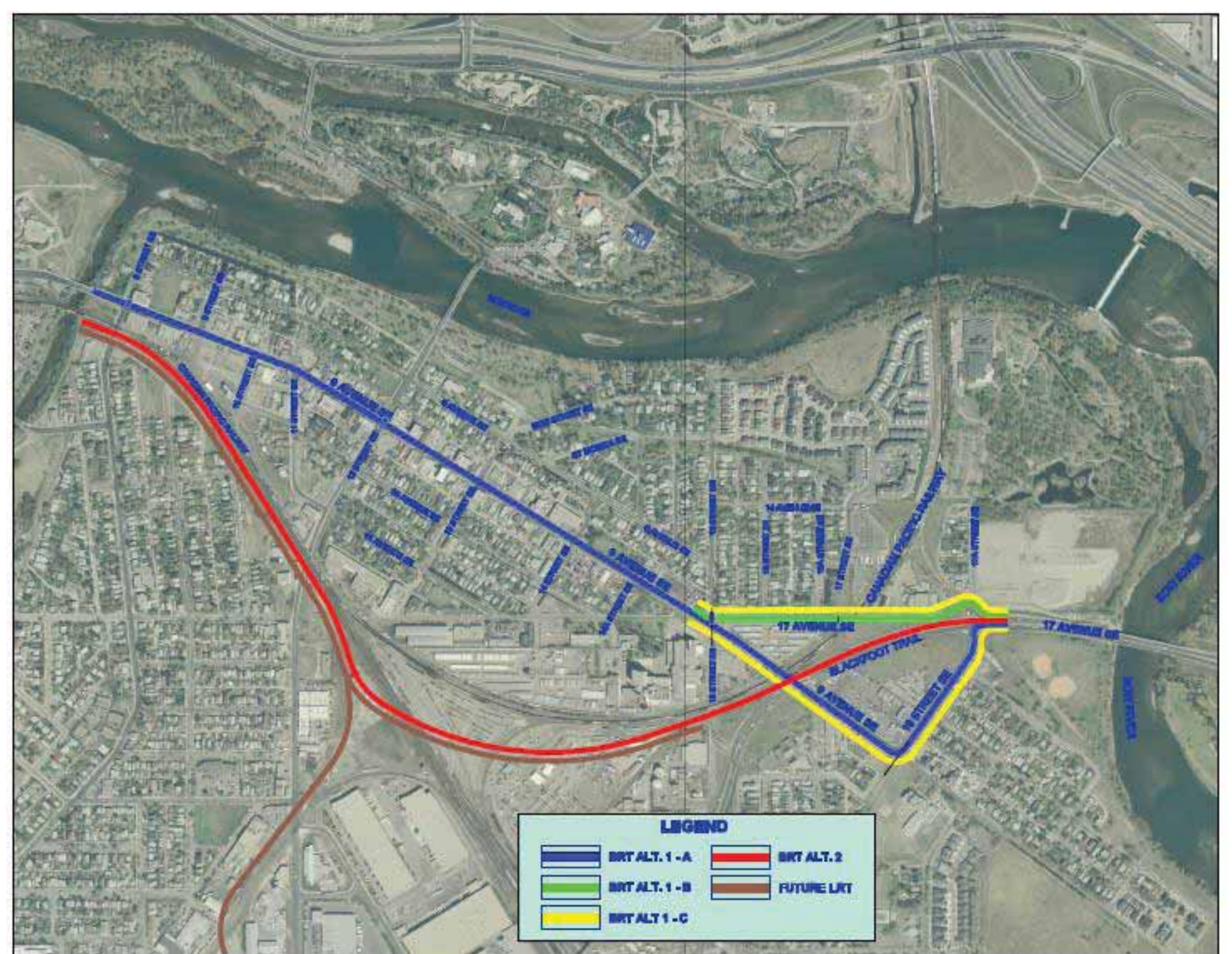


# southeast 17 corridor



## Inglewood Transit Study

### OPEN HOUSE #1 SUMMARIES



The feedback indicated that 16% were in favour of Blue; 38% were in favour of Red; and 5% supported both. 41%, however, remained uncommitted to any of the alternatives.

The existing problems identified include:

- Traffic congestion on 9 Ave
- Cyclists' safety at the intersections on 9 Ave at 12 St and 15 St and also at the 17 Ave and Deerfoot interchange
- Lack of bike paths in Inglewood
- Pedestrian safety at cross-walks, specifically at the intersection of 9 Ave and 12 St.
- Overcrowded transit service during rush hours
- Shortcutting through the residential area
- Parking difficulties on 9 Ave and in the community
- Speeding traffic both on 9 Ave and on the residential streets
- Playground on 9 Ave unsafe
- Poor operation of the intersection at 17 Ave & 17A St

Residents' comments on the proposed alternatives:

- Separate pathways are needed for both pedestrians and cyclists
- Effects of additional transit service on the existing congestion of 9 Ave
- Community prefers redevelopment of the Blackfoot truck stop
- Both positive and negative impacts on the 9 Ave businesses from the increase in transit service
- Impact on the historic character of Inglewood if 9 Ave becomes a commuter route to the downtown
- Safety of school children attending Colonel Walker School





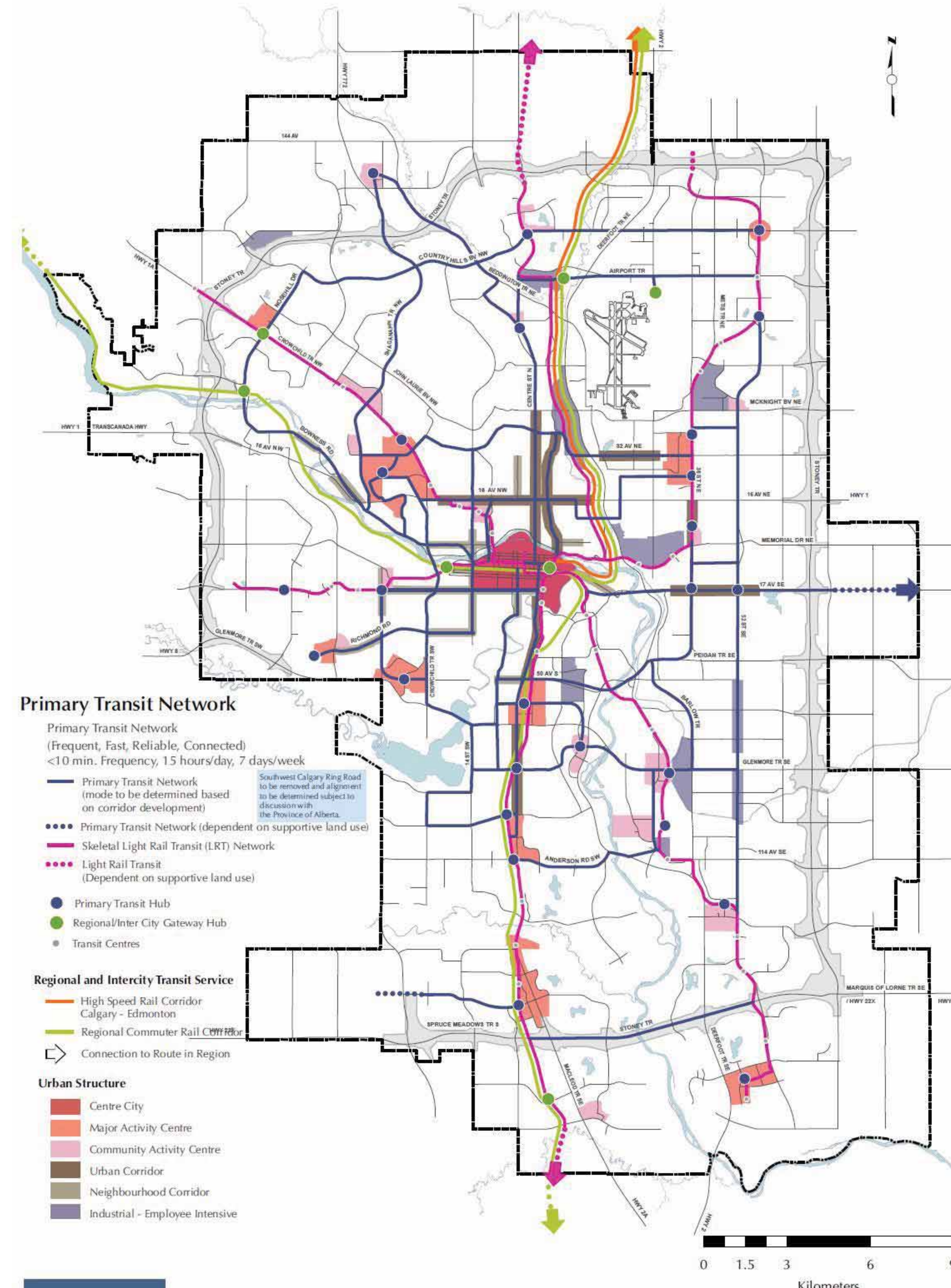
# southeast 17 corridor



## Inglewood Transit Study

### WHAT IS PRIMARY TRANSIT?

- A future transit network where passengers can expect to wait less than ten minutes on all primary transit corridors (7 days a week, 15 hours a day)
- Calgary Transportation Plan is The City's long term growth plan
- Primary Transit is planned along key corridors having supportive land uses
- Primary Transit does not define mode (i.e. LRT or bus) but it does define level of service
- Inglewood is a community that will benefit from primary transit service levels – both from the Southeast LRT and also by east west routes connecting the downtown and 17 Ave SE



## 2

### Primary Transit Network

This map represents a conceptual land use structure and transportation networks for the city as a whole. No representation is made herein that a particular site use or City investment, as represented on this map, will be made. Site specific assessments, including environmental contamination, as well as the future financial capacities of the City of Calgary must be considered before any land use or City investment decisions are made.







## Inglewood Transit Study

### AFTER OPEN HOUSE #1

After the first Open House, we:

1. Reviewed public consultation feedback
2. Analyzed the information and the designs
3. After discussion with the Community Association and the BRZ, we developed more alternatives
4. Carried out further technical work and an evaluation of the new alternatives







# southeast 17 corridor

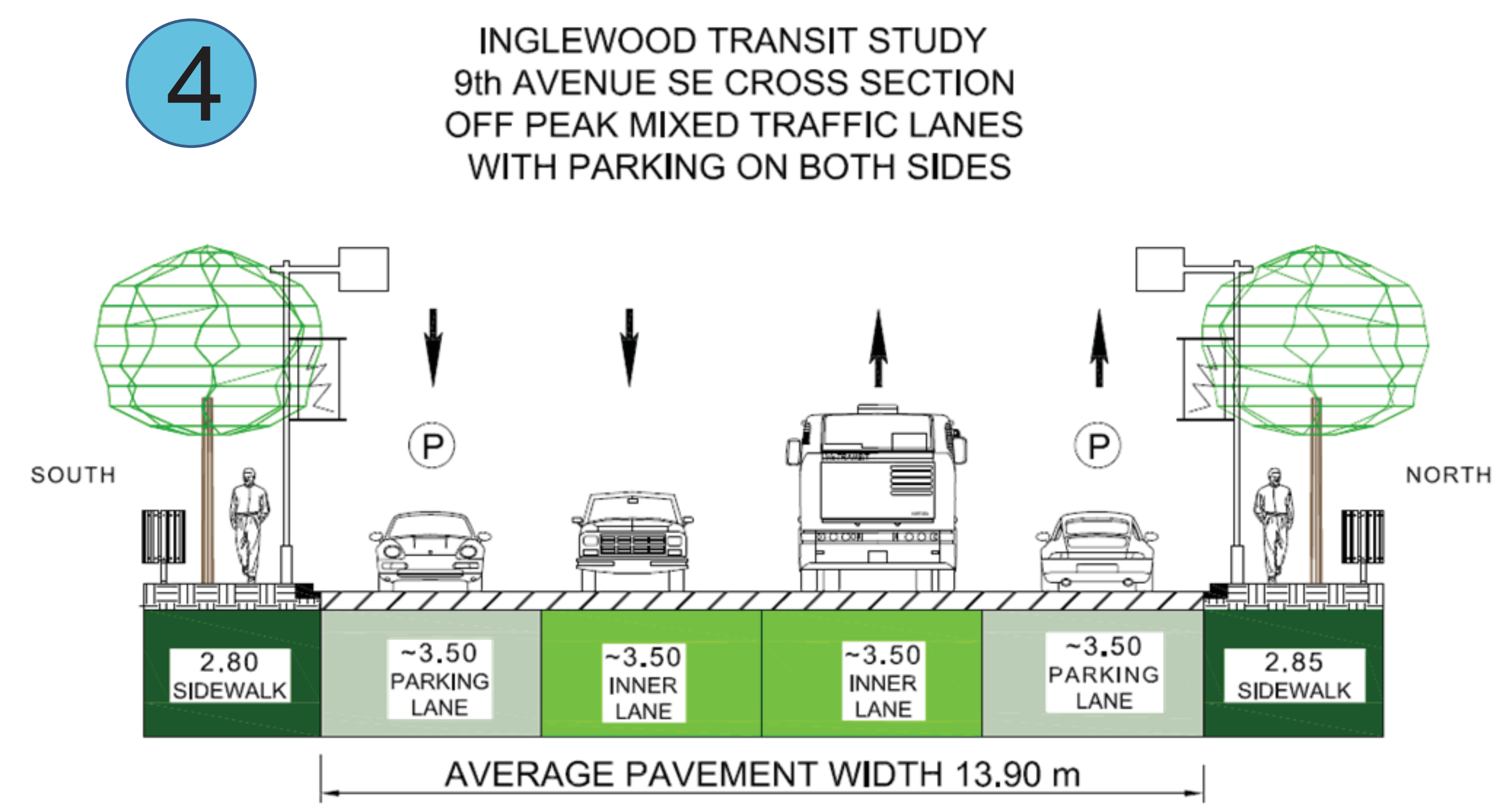
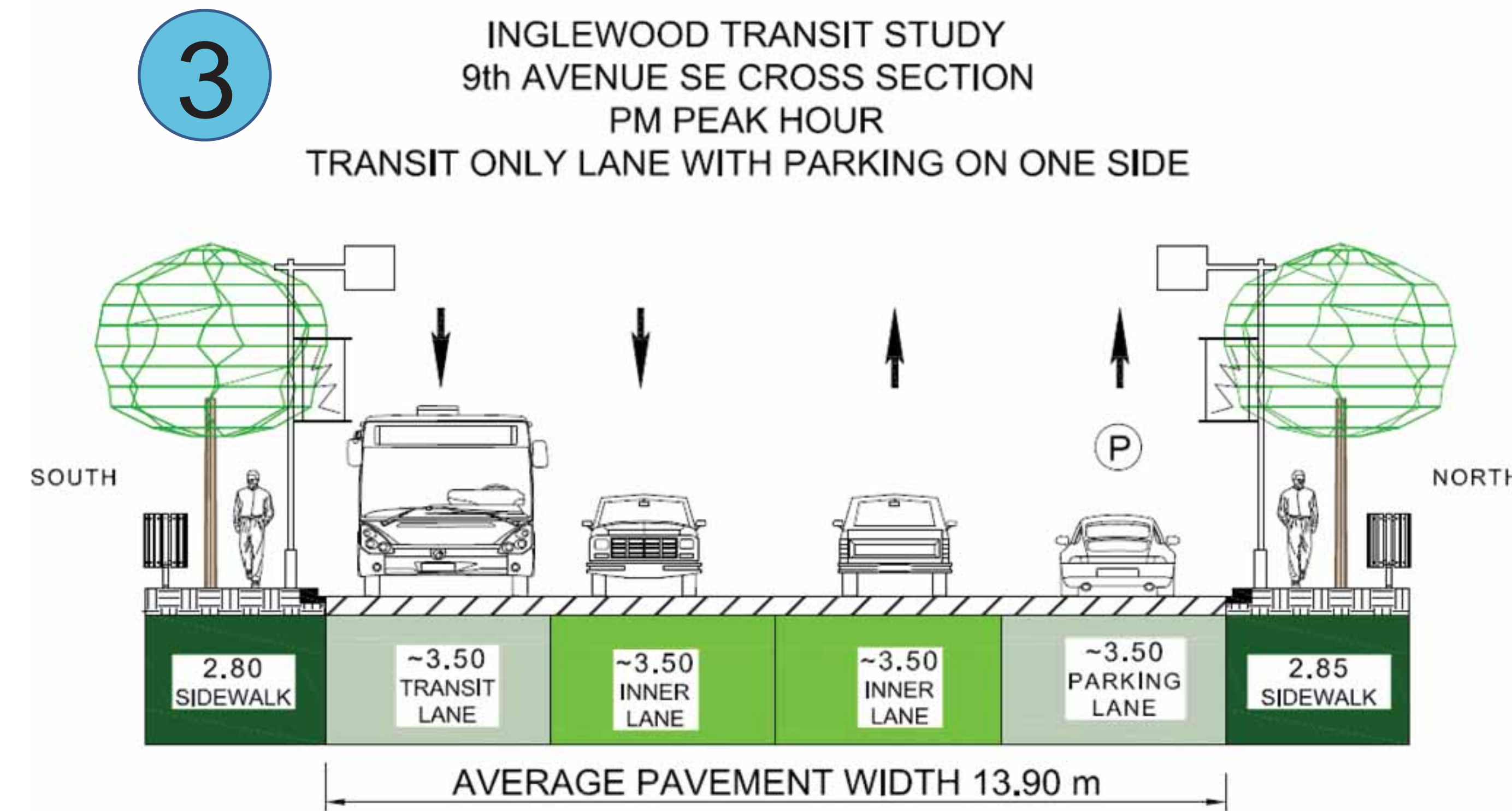
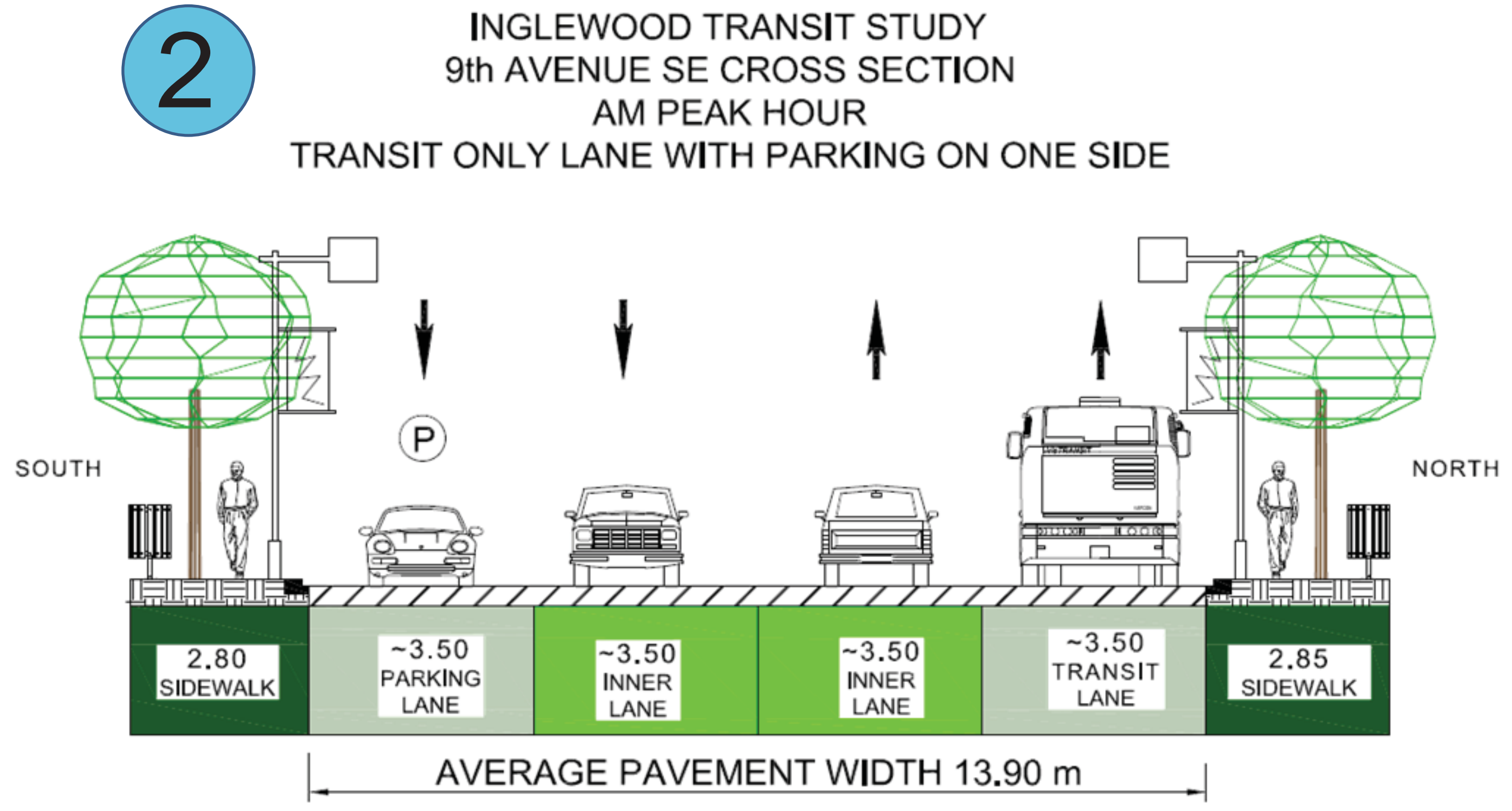
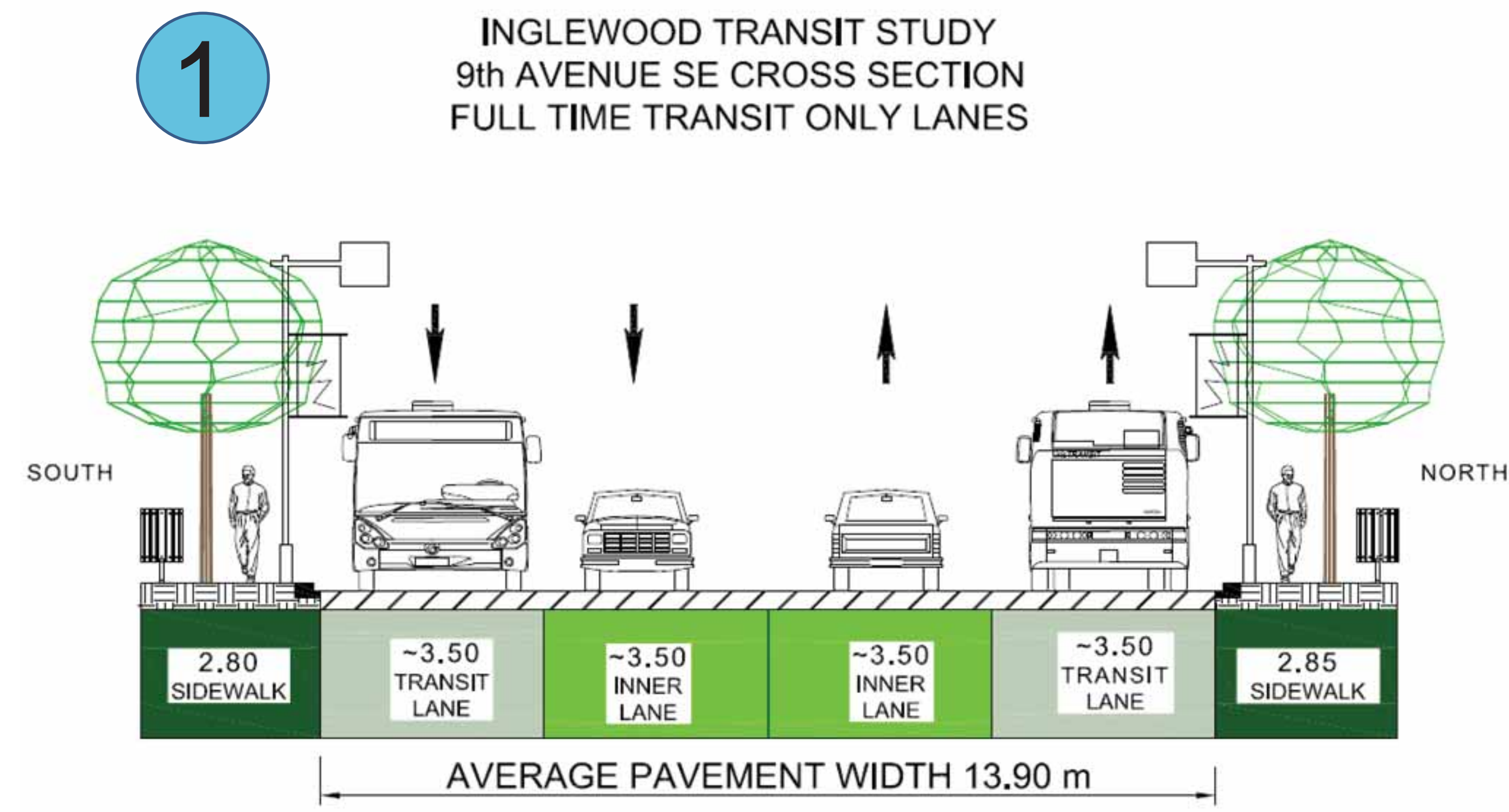


## Inglewood Transit Study

### SHORT TERM TRANSIT IMPROVEMENTS

- 9 Avenue SE is an important transit corridor; even today more than 100,000 passengers travel through Inglewood each week
- The City is exploring new measures, including dedicating lanes in peak periods, to give priority to transit

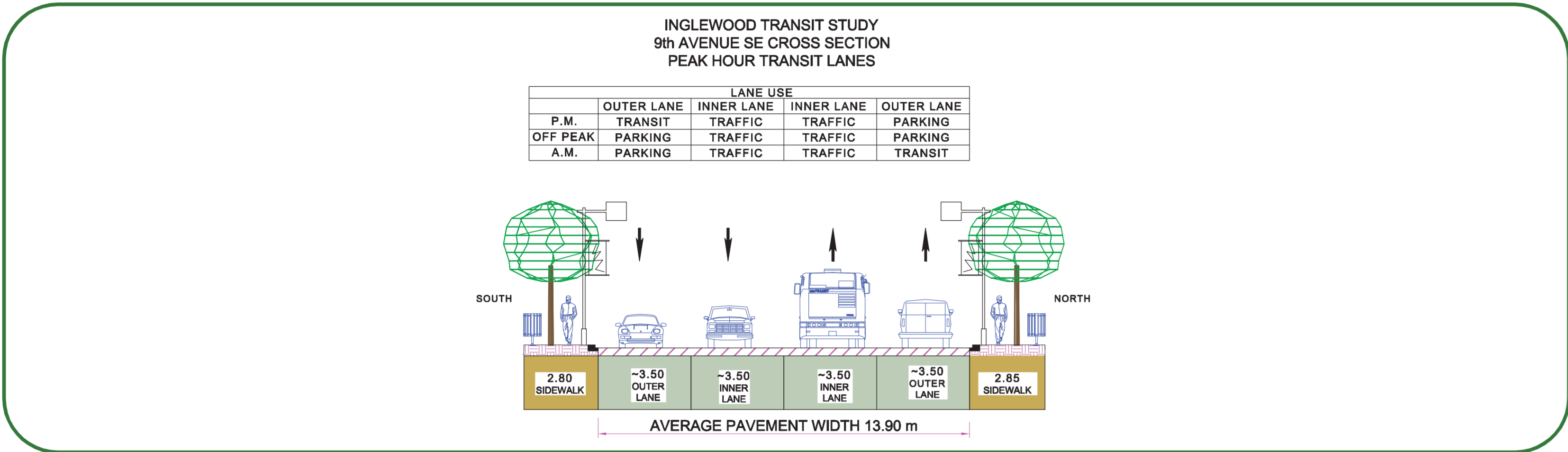
- Dedicated lanes would likely be curb lanes, and would accommodate one or both directions:
  - Full-time transit-only (1)
  - Peak-hour transit-only with parking in opposite direction (2 & 3)
  - Off-peak mixed transit and traffic with parking on both sides (4)







# southeast 17 corridor



## INGLEWOOD TRANSIT STUDY SHORT TERM ALIGNMENT

- Highlights:**
- **Bridges:** Using existing
  - **Tunnels:** None
  - **Stations:** At grade at existing locations
  - **Transit Route:** Along 17 Ave. and 9 Ave. via 19 St. for both express and local routes







# Inglewood Transit Study

## LONG TERM TRANSIT MOVEMENT - STUDY OBJECTIVES

### Design Considerations:

- Public input
- Accommodating all transit users
  - (community, city-wide and regional)
- Potential for transitioning to rail system
- Potential for transit oriented development
- Accommodation for high speed rail
- Business access and parking
- Connection to the future Southeast LRT

### Evaluation Considerations:

- Transit improvement
- Operations and safety
- Land Use & Community impact
- Technical feasibility
- Cost implications



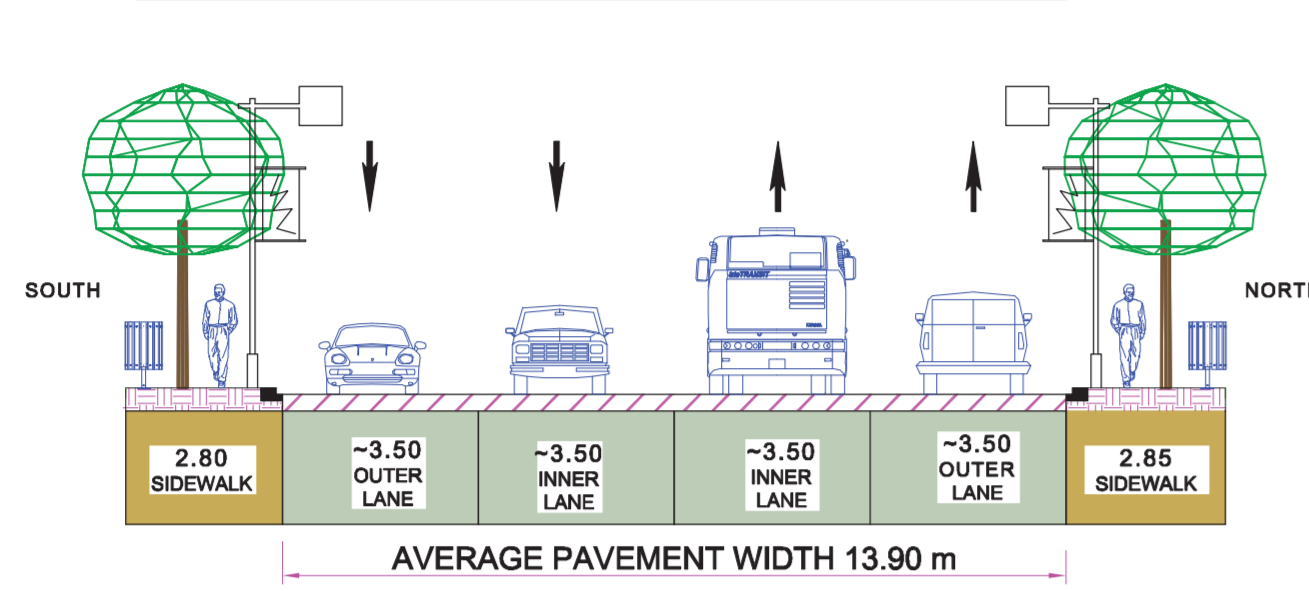
*Please review possible concepts on the following boards with the above criteria in mind*



# southeast 17 corridor



INGLEWOOD TRANSIT STUDY  
9th AVENUE SE CROSS SECTION  
PEAK HOUR TRANSIT LANES

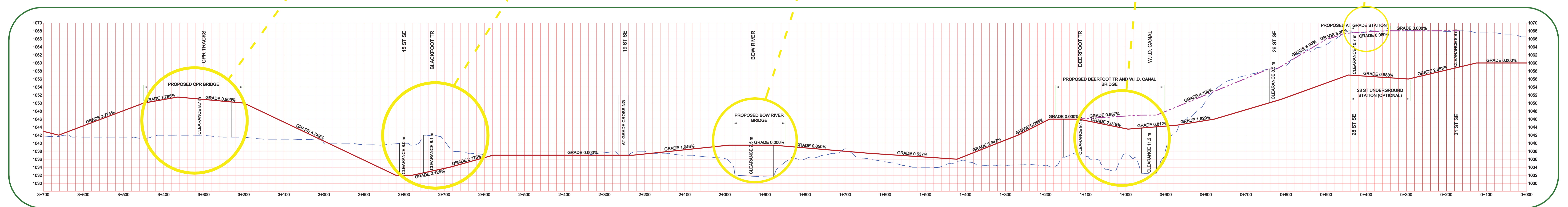
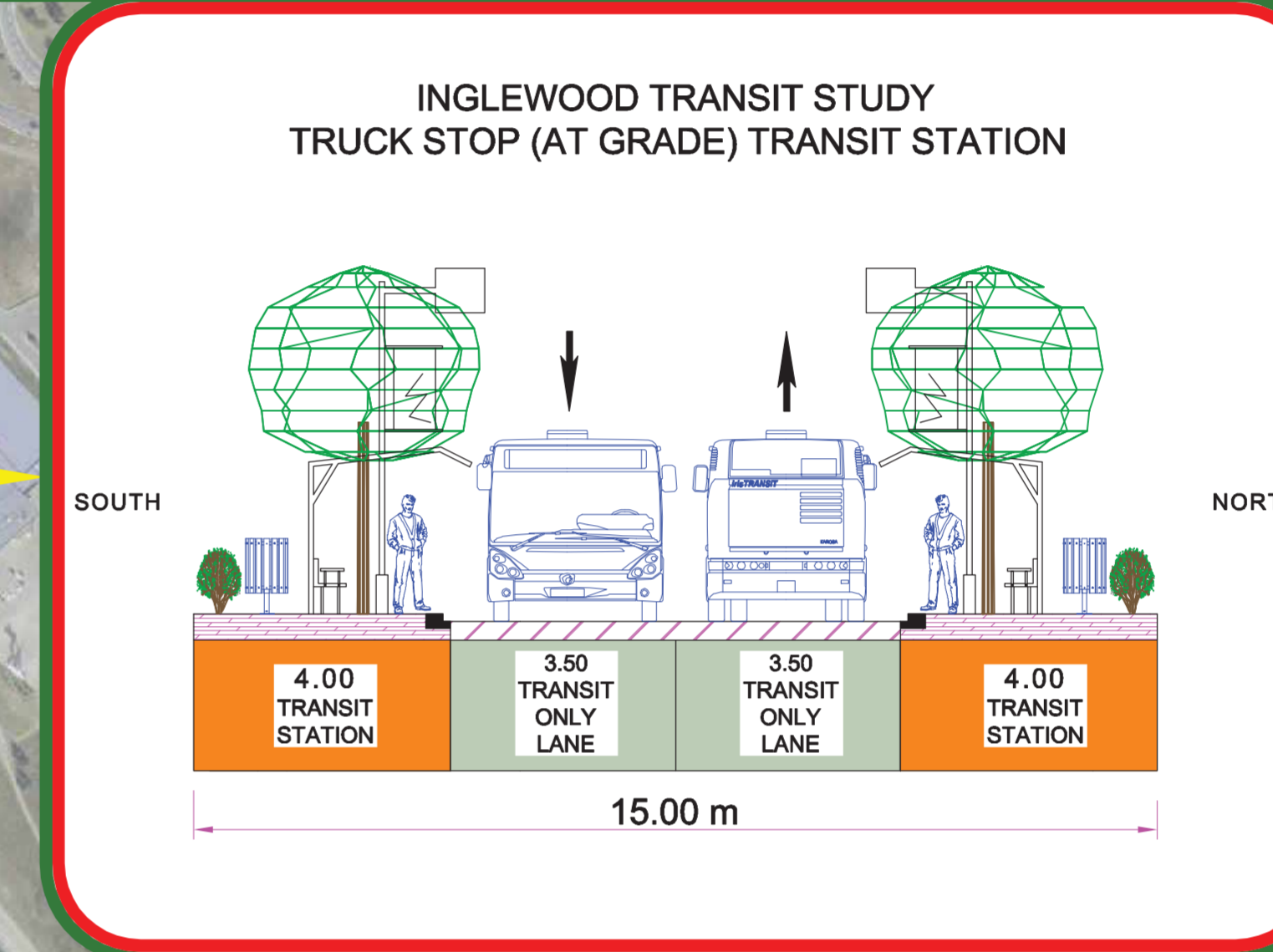
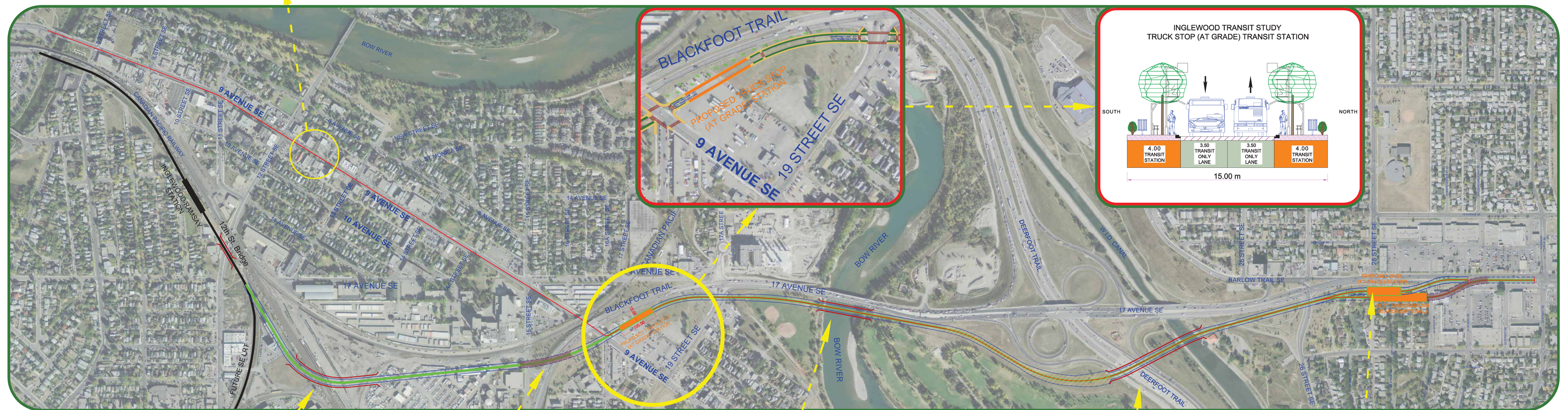


## INGLEWOOD TRANSIT STUDY

### LONG TERM ALIGNMENT ALTERNATIVE 1 (PREFERRED)

#### Highlights:

- **Bridges:** Over WID Canal, Deerfoot Tr., Bow River & CPR Tracks (near SE LRT)
- **Tunnels:** Under Blackfoot Tr. & 15th St.
- **Stations:** At grade at Blackfoot Truck Stop & at 28 St.
- **Transit Route:** Along the new alignment for both local and express routes up to Blackfoot Truck Stop station, then local routes take 9 Ave. while express routes continue along new alignment



#### LEGEND

- Express Route (Transit Only)
- Express & Local Routes (Transit Only)
- Tunnel (Transit Only)
- Embankment (Transit Only)
- Bridge (Transit Only)
- Local Transit (Shared)
- Transit Station - At Grade
- Transit Station - Underground
- Sidewalk
- Crosswalk
- Green Boulevard
- SE LRT Route & Station



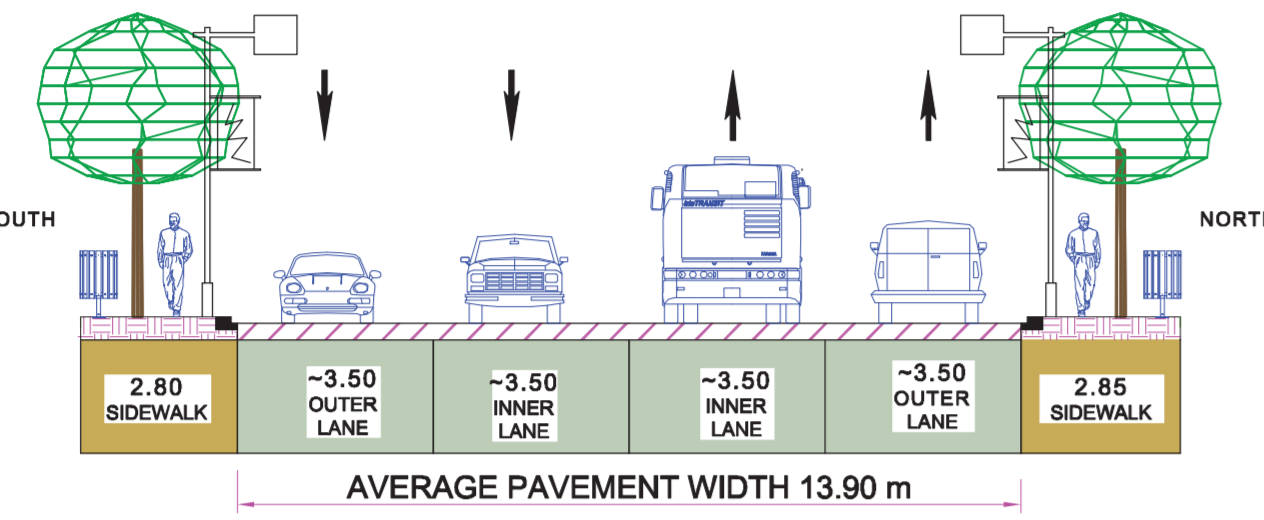


# southeast 17 corridor



INGLEWOOD TRANSIT STUDY  
9th AVENUE SE CROSS SECTION  
PEAK HOUR TRANSIT LANES

	OUTER LANE	INNER LANE	INNER LANE	OUTER LANE
P.M.	TRANSIT	TRAFFIC	TRAFFIC	PARKING
OFF PEAK	PARKING	TRAFFIC	TRAFFIC	PARKING
A.M.	PARKING	TRAFFIC	TRAFFIC	TRANSIT

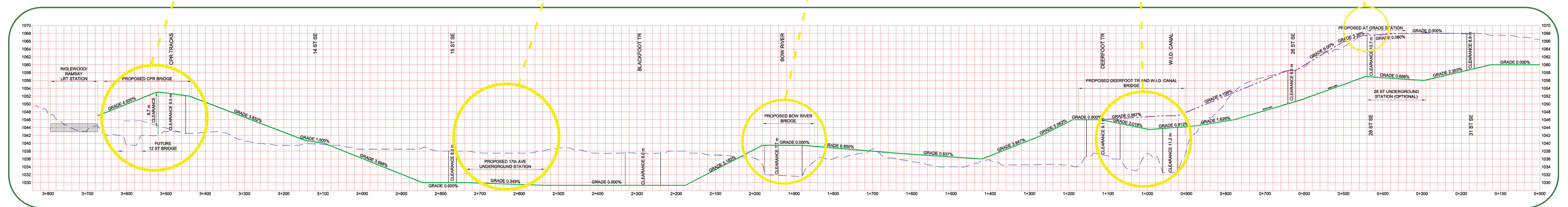
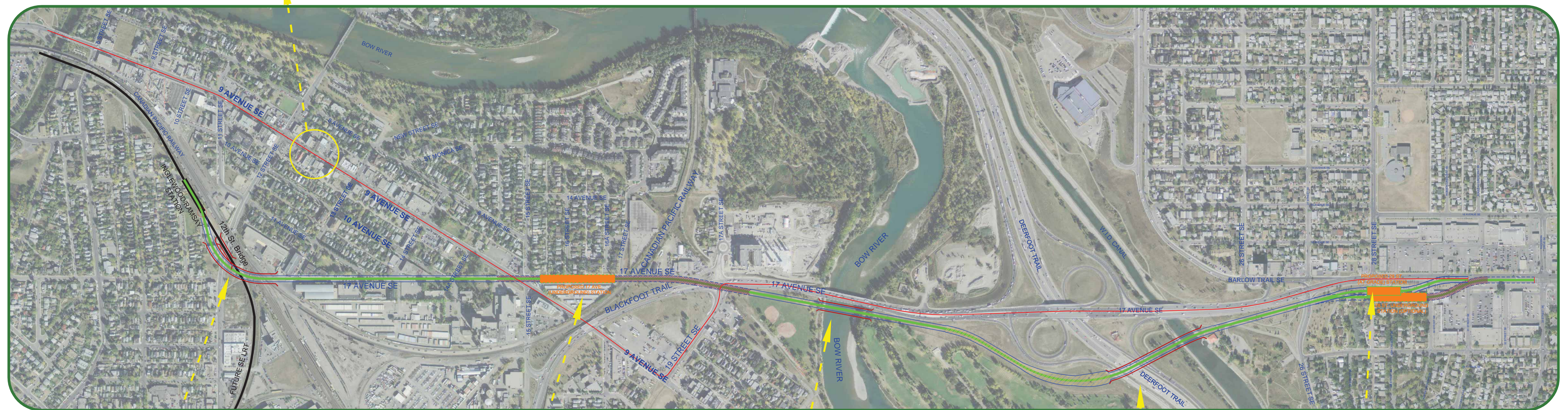


## INGLEWOOD TRANSIT STUDY

### LONG TERM ALIGNMENT ALTERNATIVE 2

#### Highlights:

- **Bridges:** Over WID Canal, Deerfoot Tr., Bow River & CPR Tracks (near SE LRT)
- **Tunnels:** Under Blackfoot Tr. & {17 Ave., CPR Tracks, & 9 Ave.} north of Blackfoot Truck Stop (BTS)
- **Stations:** Underground between CPR Tracks & 9 Ave. (N of BTS) & at grade at 28 St.
- **Transit Route:** Along the new alignment for express routes. Along 17 Ave. and 9 Ave. via 19 St. for local routes



#### LEGEND

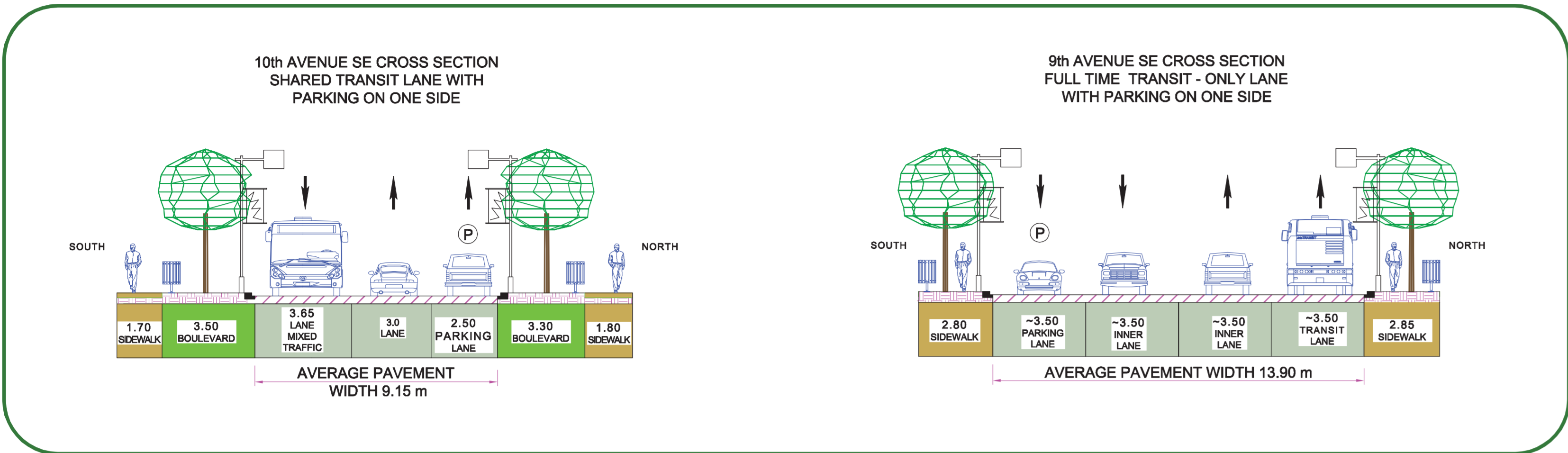
- Express Route (Transit Only)
- Express & Local Routes (Transit Only)
- Tunnel (Transit Only)
- Embankment (Transit Only)
- Bridge (Transit Only)
- Local Transit (Shared)
- Transit Station - At Grade
- Transit Station - Underground
- SE LRT Route & Station





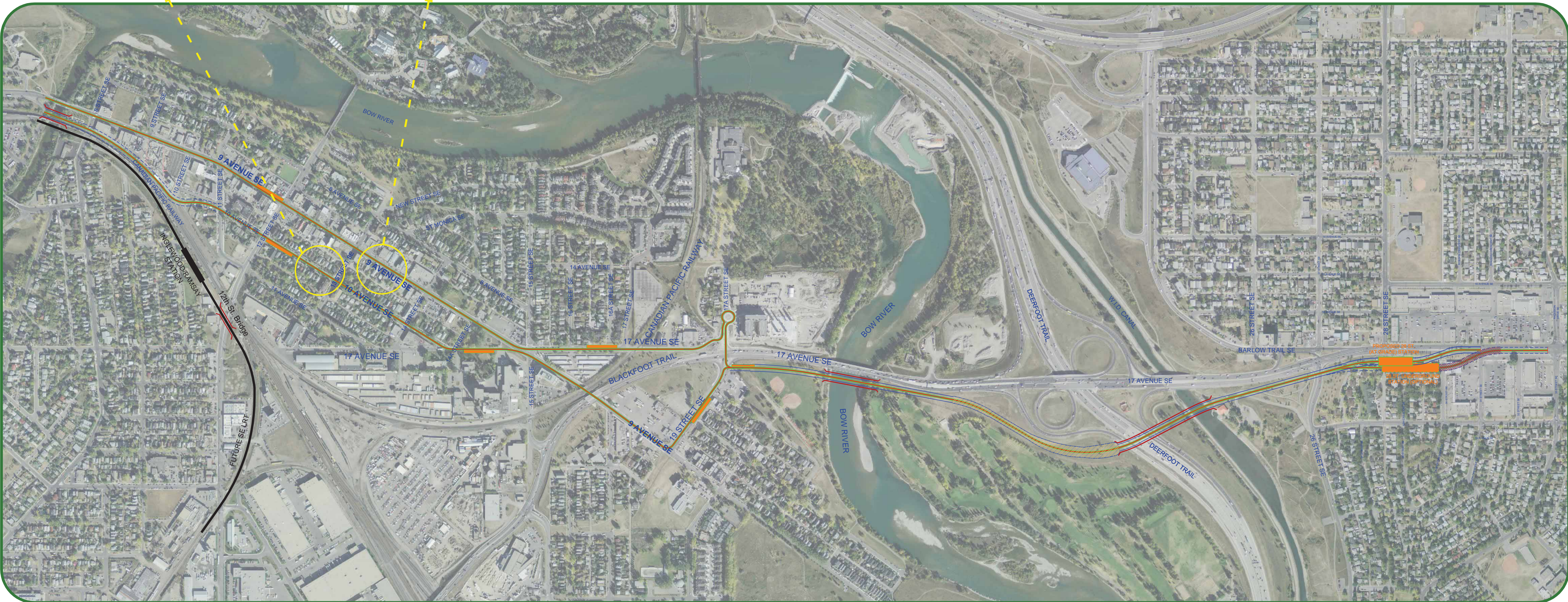


# southeast 17 corridor



## INGLEWOOD TRANSIT STUDY LONG TERM ALIGNMENT ALTERNATIVE 3

- Highlights:**
- **Bridges:** Over WID Canal, Deerfoot Tr., Bow River, Elbow River (2)
  - **Tunnels:** None
  - **Stations:** Maintaining existing locations; adding stops along both westbound & eastbound routes & at grade at 28 St.
  - **Transit Route:** Along the new alignment up to 19 St., then westbound along 9 Ave. & eastbound along 10 Ave. for both local and express routes



### LEGEND

Express & Local Routes (Transit Only)	Tunnel (Transit Only)	Bridge (Transit Only)	Embankment (Transit Only)	SE LRT Route & Station	Express & Local Routes (Shared)
Travel Direction for Transit Routes	Transit Station - At Grade	Transit Station - Underground	<b>NOTE: Stations Not to Scale</b>		





# southeast 17 corridor



## EVALUATION

	Alternative 1 (PREFERRED)	Alternative 2	Alternative 3
Transit Improvements	<ul style="list-style-type: none"> <li>Provides exclusive lanes for both express and local transit - 28 to 19 St</li> <li>Provides opportunity for local buses to service 9 Ave</li> <li>Reduced travel time through Inglewood / Ramsay</li> </ul>	<ul style="list-style-type: none"> <li>Provides exclusive lanes for express transit only</li> <li>Local buses must use existing routes – no priority into Inglewood (tunnel not conducive, cannot use new alignment from 28 St)</li> <li>No improvement in travel time for local buses</li> </ul>	<ul style="list-style-type: none"> <li>Provides exclusive lanes for both express and local transit - 28 to 19 St</li> <li>Easier to provide transit priority for dedicated transit lane on 9 Ave (one-way)</li> <li>Less connectivity between EB and WB transit routes</li> </ul>
Operation/ Safety	<ul style="list-style-type: none"> <li>At grade crossings at 19 St and 9 Ave – increases conflicts</li> <li>Exclusive lanes for express</li> <li>Mixed traffic on 9 Ave for local</li> </ul>	<ul style="list-style-type: none"> <li>Long tunnel and station requires ventilation</li> <li>Underground station raises the safety/security risk for passengers</li> <li>Exclusive lanes for express</li> <li>Mixed traffic on 9 Ave for local</li> </ul>	<ul style="list-style-type: none"> <li>At grade crossing at CP Rail – increases train conflicts</li> <li>At-grade crossing on 10 Ave increases conflict</li> <li>Increased traffic along 9 and 10 Ave</li> <li>Roundabout at 17A St will cause operational issues</li> </ul>
Land Use and Community Impacts	<ul style="list-style-type: none"> <li>At-grade station at Blackfoot Truck Stop accommodates Transit Oriented Design (TOD)</li> <li>Local transit still provides access to the community</li> <li>Limited isolation of land parcels</li> <li>Provides opportunities for the lands between 17 Ave and CP tracks to be developed and integrated with the community</li> </ul>	<ul style="list-style-type: none"> <li>Places a barrier between large area south of 17 Ave and rest of community</li> <li>Requires more land in Ramsay to accommodate connection to SE LRT station</li> <li>Potential culs-de-sac along 17 Ave</li> <li>Disruption during construction</li> <li>Noise issues due to close proximity to residential areas</li> <li>No opportunity for TOD in the area</li> </ul>	<ul style="list-style-type: none"> <li>Minimal disruption during construction</li> <li>Loss of parking on one side of both 9 and 10 Avenues</li> <li>Increase in traffic volumes along 10 Avenue may cause safety issues in the community</li> </ul>
Technical Feasibility	<ul style="list-style-type: none"> <li>Relatively easy tie-in to SE LRT</li> <li>No grade issue</li> </ul>	<ul style="list-style-type: none"> <li>Difficult tie-in to SE LRT,</li> <li>Requires design elevation changes to Ramsay/Inglewood station</li> </ul>	<ul style="list-style-type: none"> <li>No opportunity to upgrade to rail</li> </ul>
Cost	<ul style="list-style-type: none"> <li>120 m tunnel required under Blackfoot and 15 St</li> <li>Property required through CP yard area</li> <li>Bridge required to span CP rail</li> <li>No additional bridge required over 12 St</li> <li>Utility conflicts at 15 St</li> </ul>	<ul style="list-style-type: none"> <li>600 m tunnel required under Blackfoot, CP rail, 9 Ave, 15 St</li> <li>Property needed at Brewery site</li> <li>Bridge required to span SE LRT and CP rail</li> <li>Additional bridge required to cross 12 St</li> <li>Underground station needed on 17 Ave</li> <li>Major utility conflicts along 17 Ave</li> </ul>	<ul style="list-style-type: none"> <li>Bridge required (new/upgrade) at Elbow river</li> <li>Property needed at Brewery site</li> <li>Property required between 8 and 11 St (along 10 Ave)</li> </ul>

LEGEND	Most Desirable	Less Desirable	Least Desirable
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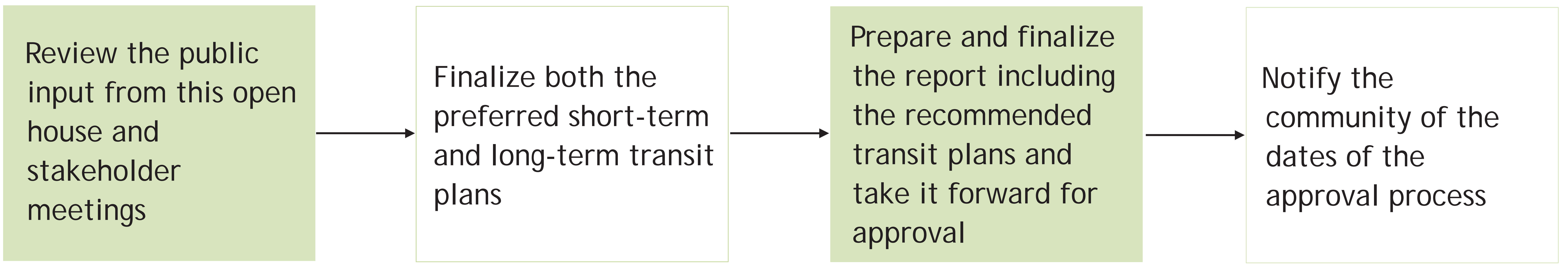






# Inglewood Transit Study

## NEXT STEPS



### Need more information?

- Discuss your thoughts with one of the team representatives here this evening
- Contact Alf Guebert, AECOM Project Manager  
200-6807 Railway Street SE, Calgary, AB, T2H 2V6  
FAX: 403-270-9196

### Get involved!

- Review the Transit Study online at [www.calgary.ca/southeast17transportationstudy](http://www.calgary.ca/southeast17transportationstudy)







# southeast 17 corridor



**THANK YOU FOR ATTENDING**

