



7TH AVENUE LRT REFURBISHMENT

Phase 5



THE CITY OF
CALGARY
TRANSPORTATION INFRASTRUCTURE



Project Background



Project Background



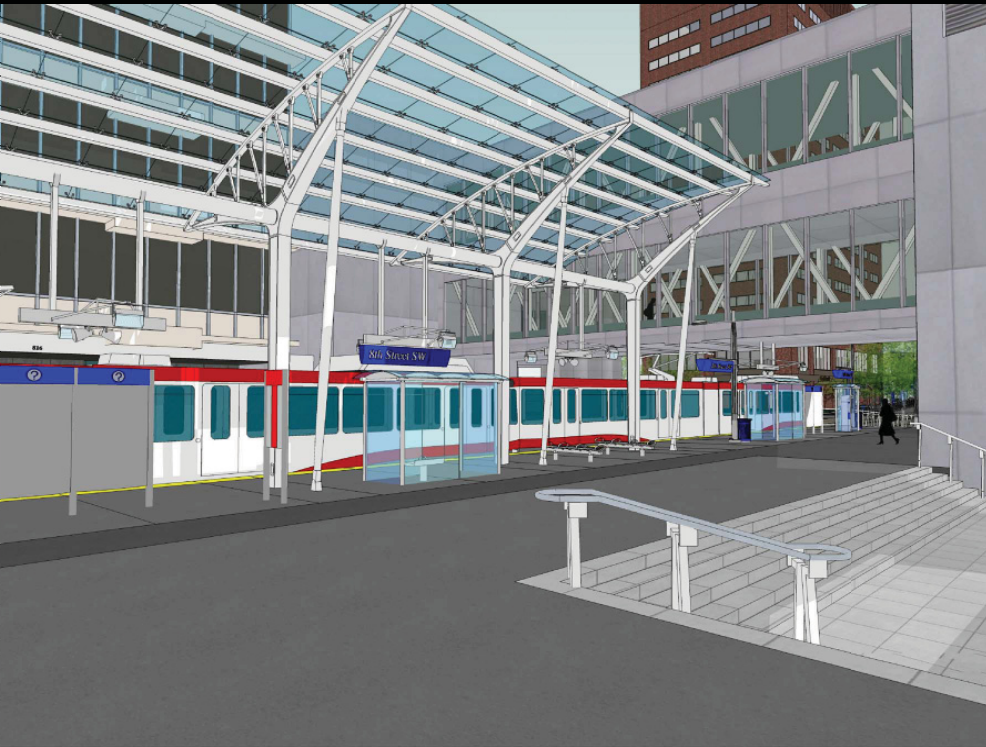
Project Background



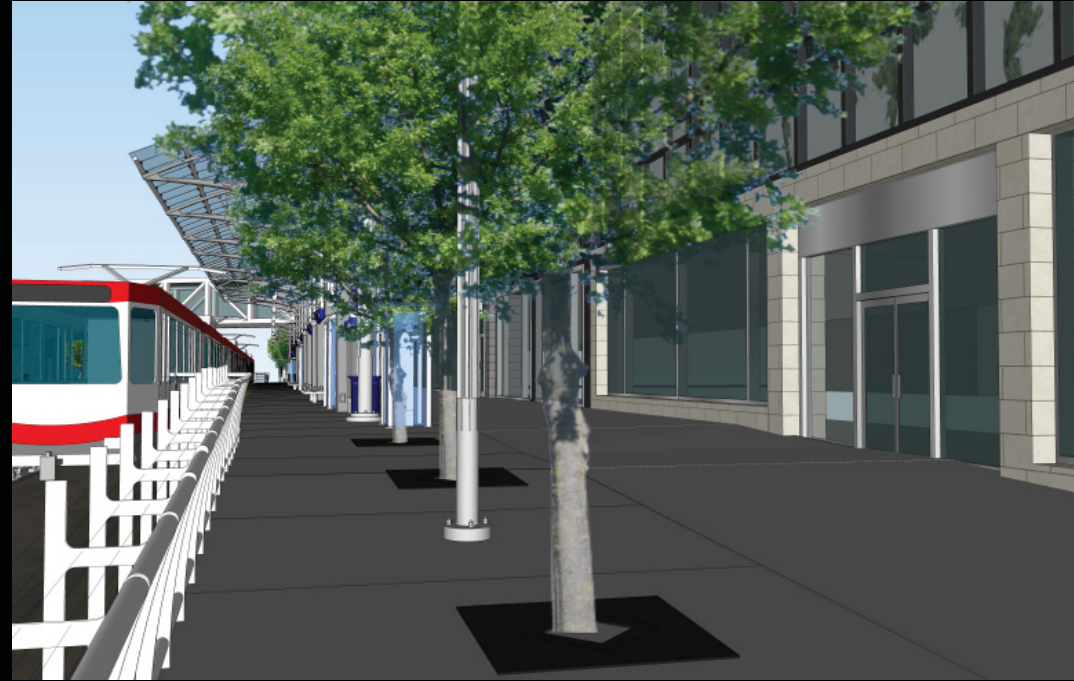
Project Background



Project Background



Block D



Block I

Project Background



Block E



Block E

Project Background



Block E



Block E

Project Background

Block F



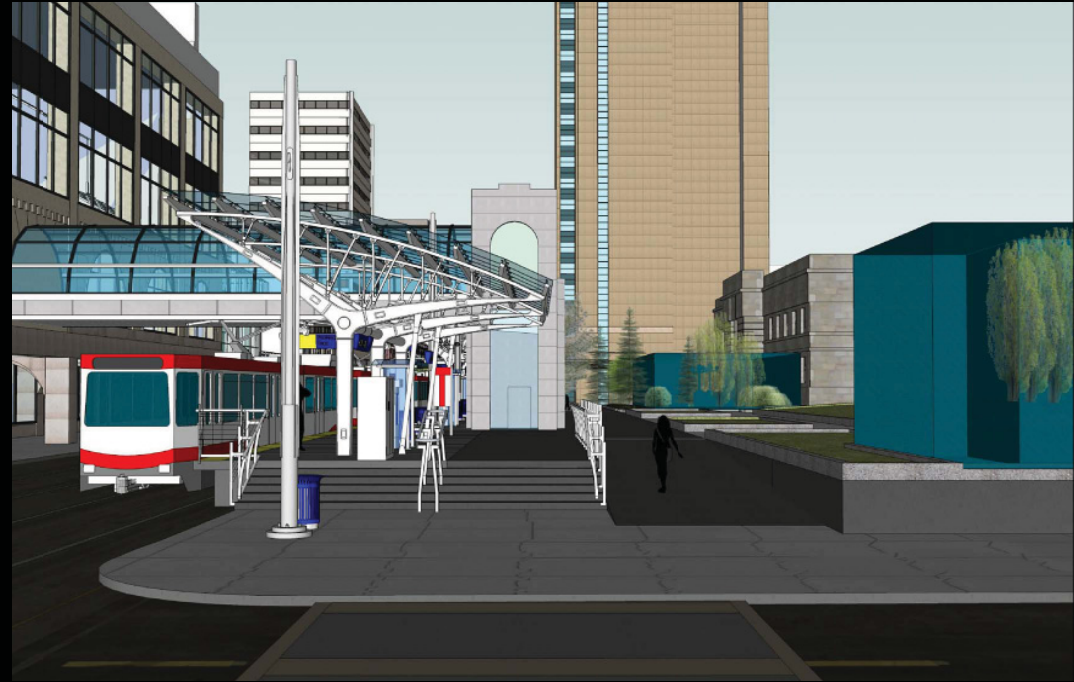
Block F



Project Background



Block G



Block G

Project Background



Existing Conditions



Schematic Plan



The Vision



New Identity



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Opportunity



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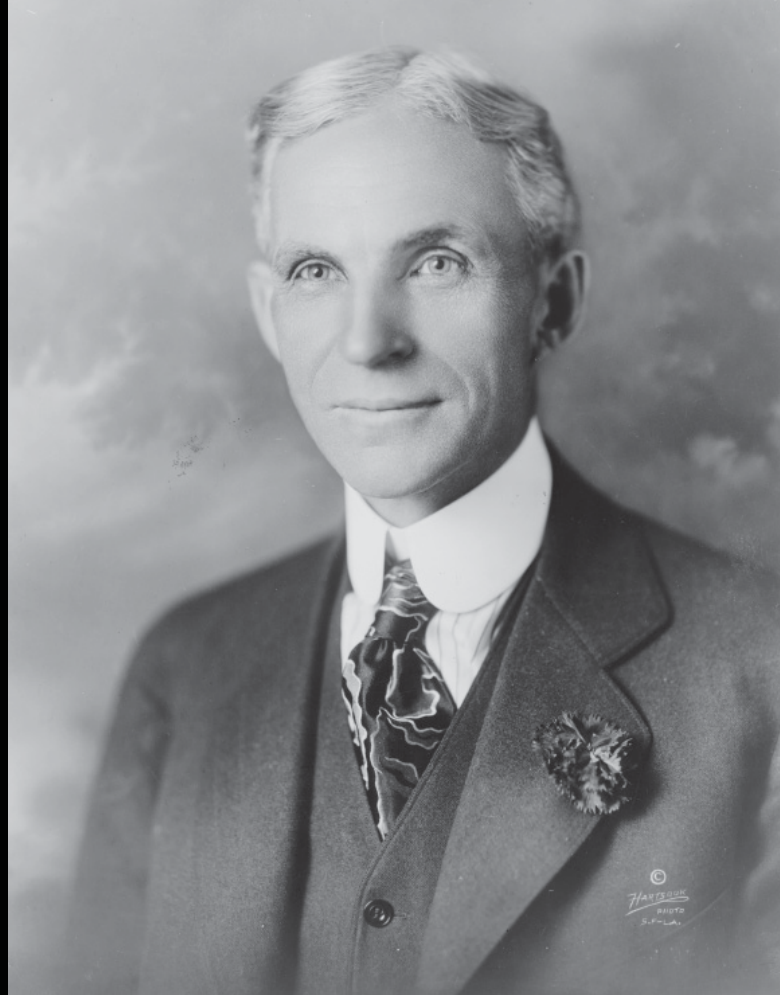
The Meccano Analogy

- Reduce Complexity
- Reconfigurable
- Easy to Assemble
- Repeatable



Design for Manufacturability

- Capitalize on repetition
- Reduce construction time
- Single fabrication contracts
- Fewer elements



Henry Ford

A Structural Dime Tour

- Vertical load supporting elements
- Lateral load resisting system



Special Challenges

- High heels
- Precast joint alignment
- Aggressive environment
- Quality of galvanizing



Special Challenges



Open Heart Surgery

- Ongoing LRT service
- Vehicle traffic
- Pedestrian traffic
- Adjacent businesses



Open Heart Surgery



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Questions