

SIEMENS



THE CITY OF
CALGARY



Siemens Industry, Inc., Rail Systems Division

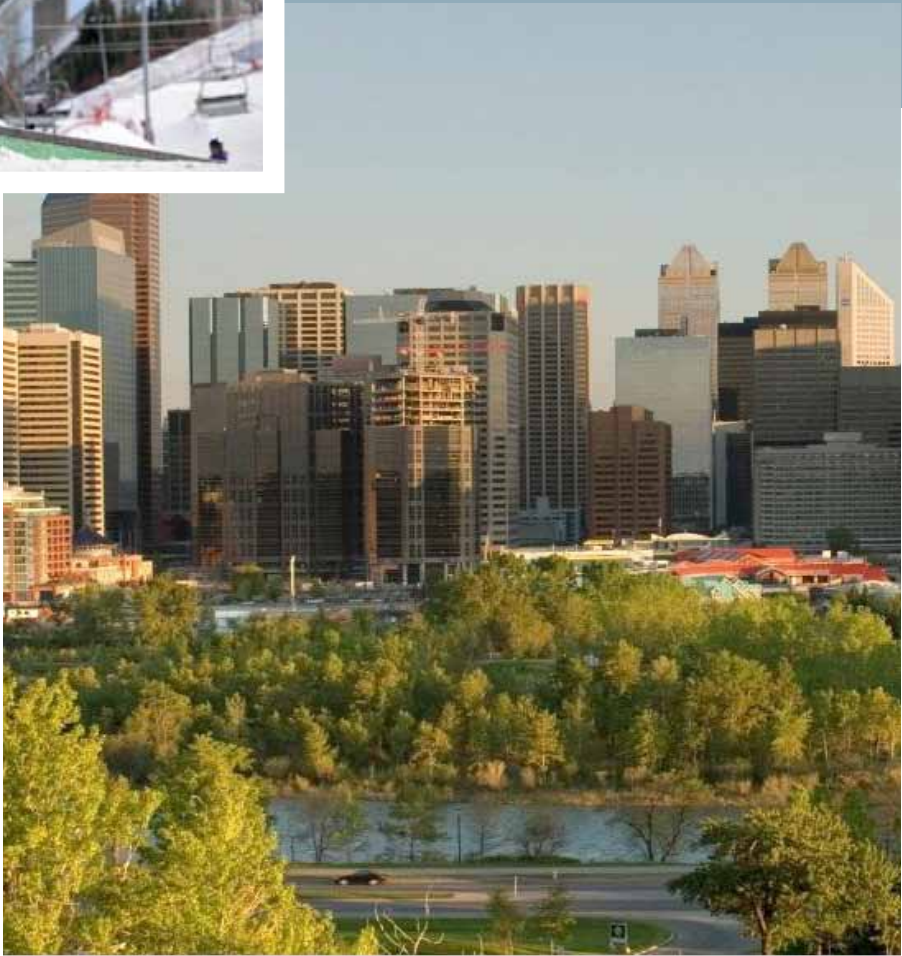
Calgary S200 - The Evolution High Floor Light Rail Vehicle

Industrial Design Exterior and Interior Renderings

I. Guiding Themes

Calgary

The BOW River
City of Calgary
Calgary Transit LRV Fleet
Architecture



The rendering booklet includes optional equipment, possible variations of the developed concepts and different design suggestions to the City of Calgary. All content aims at providing a basis for further discussions with the City of Calgary.

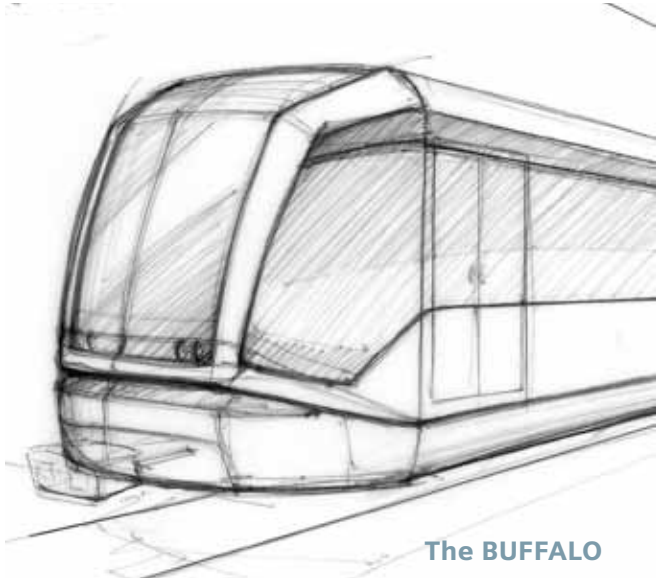
II. Inspirations

Calgary

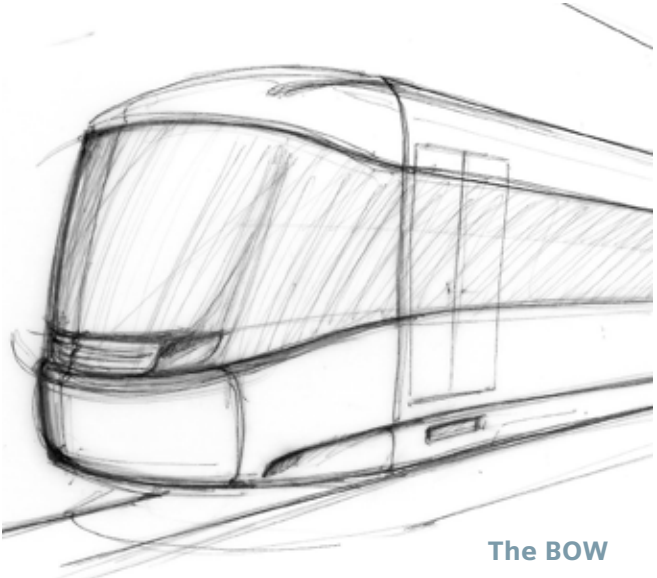
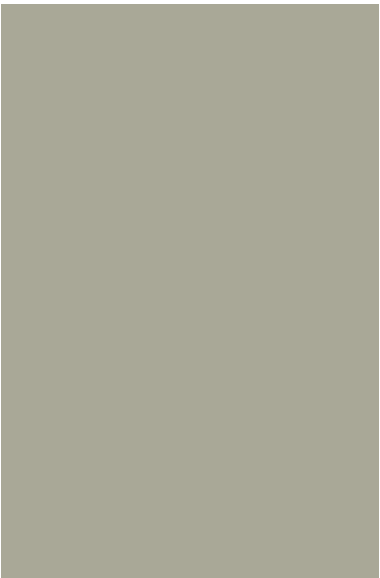
- Buffalo
- The Bow River
- Calgary Flames Goalie Mask



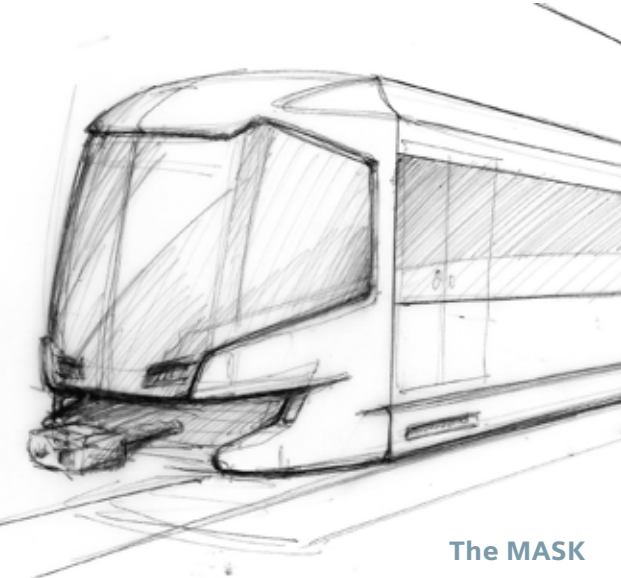
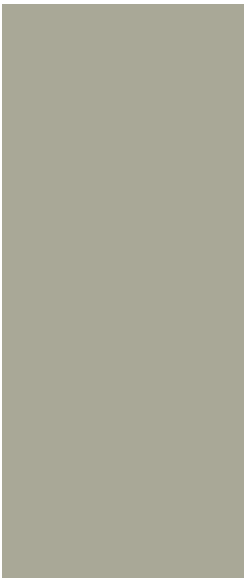
III. Exterior Design Concepts



The BUFFALO



The BOW



The MASK

The BUFFALO

The BOW

The MASK

Calgary S200
The BUFFALO



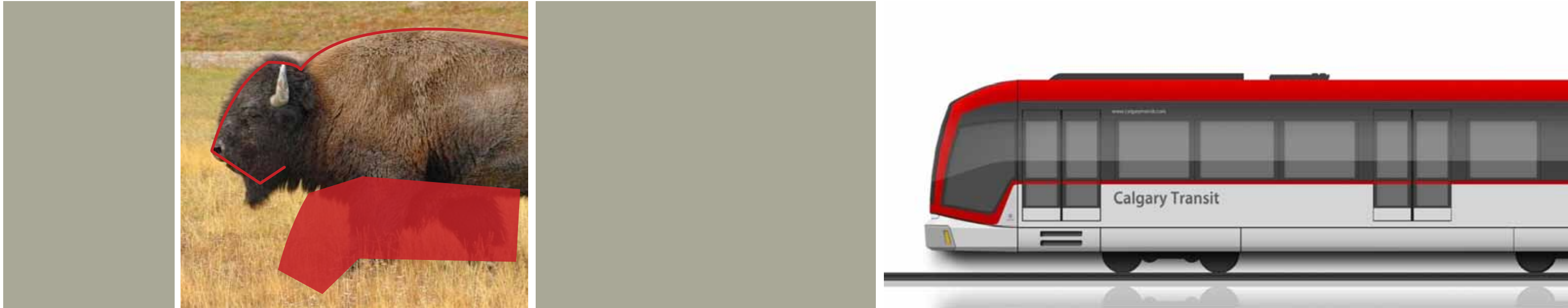


The BUFFALO

Symbolizing

- Stability
- Endurance
- Strength
- Majesty

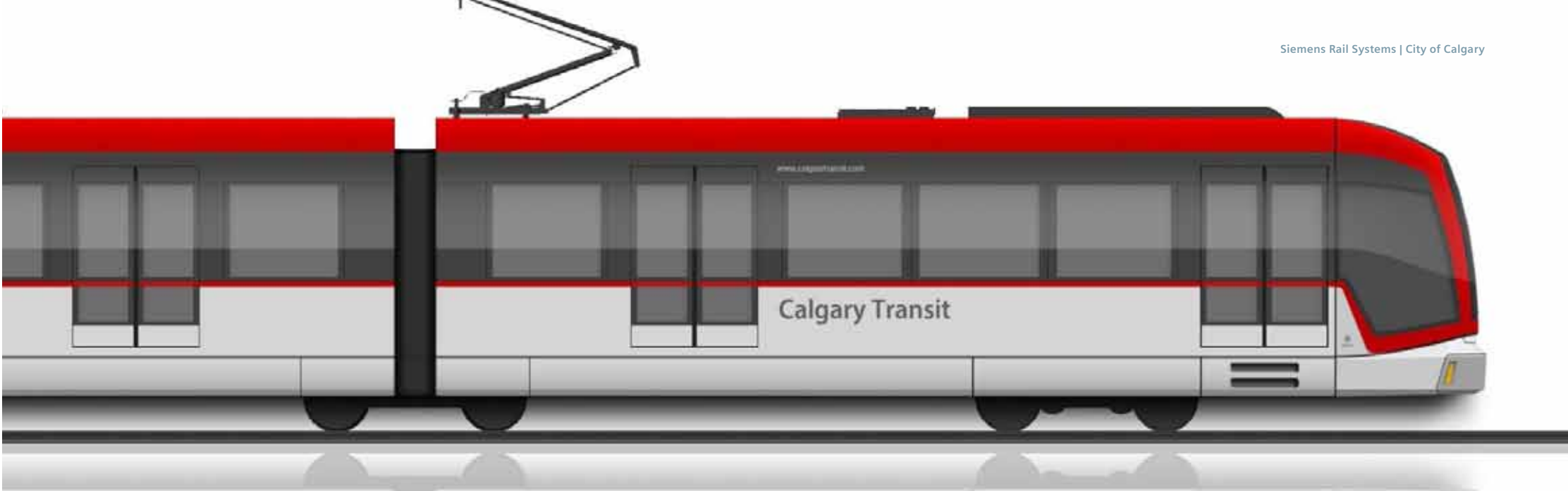
III. Exterior Design Concepts: The BUFFALO



Early Designs

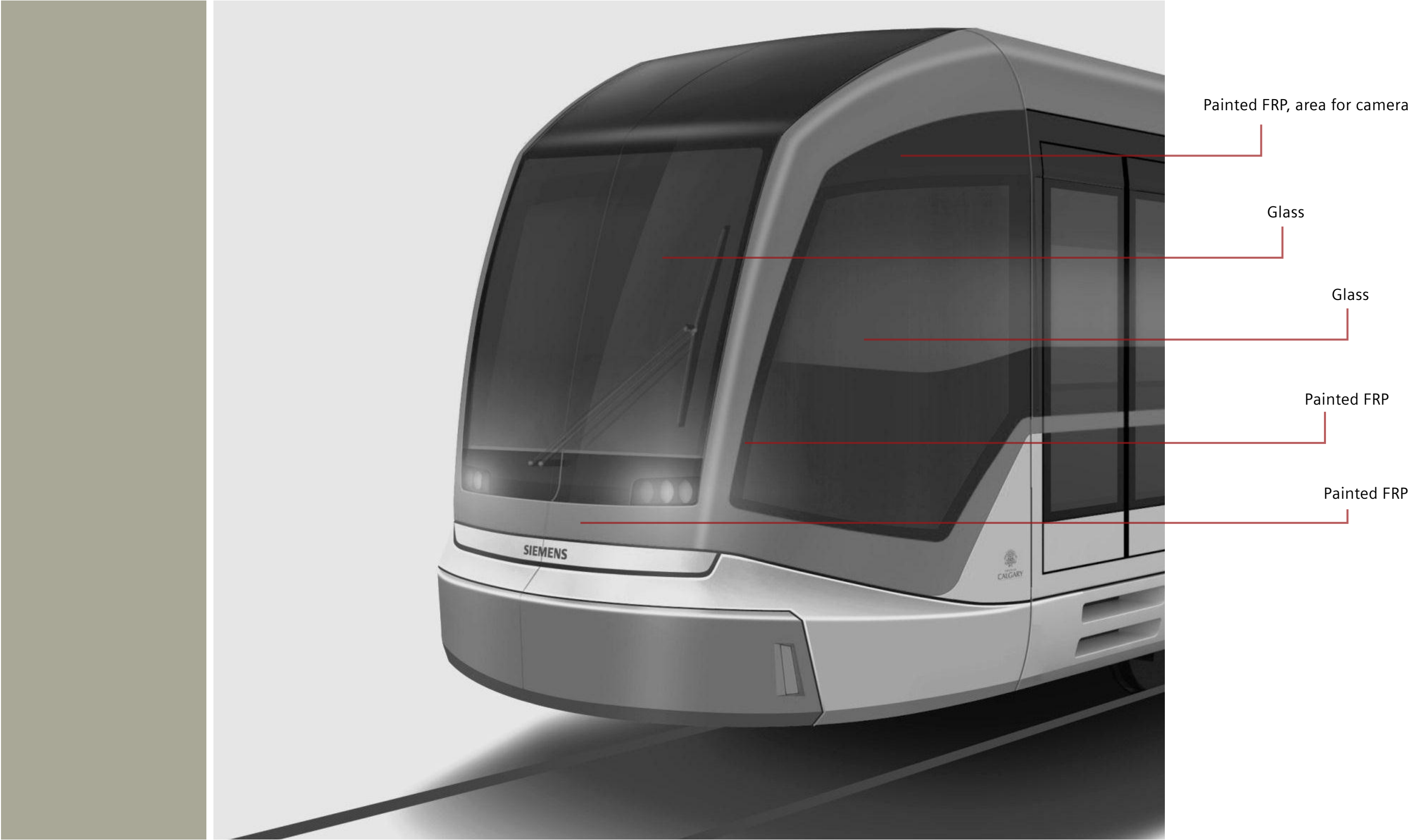
The BUFFALO

Alternative Designs with Coupler
Covers and Paint Schemes



The BUFFALO

Component Separation



The BUFFALO

The Car for all Seasons



The BUFFALO

Features and Benefits



The BUFFALO

Front View



LED Lighting Markers and
Brake Lights

Mirrors Shown

The BUFFALO

Top View



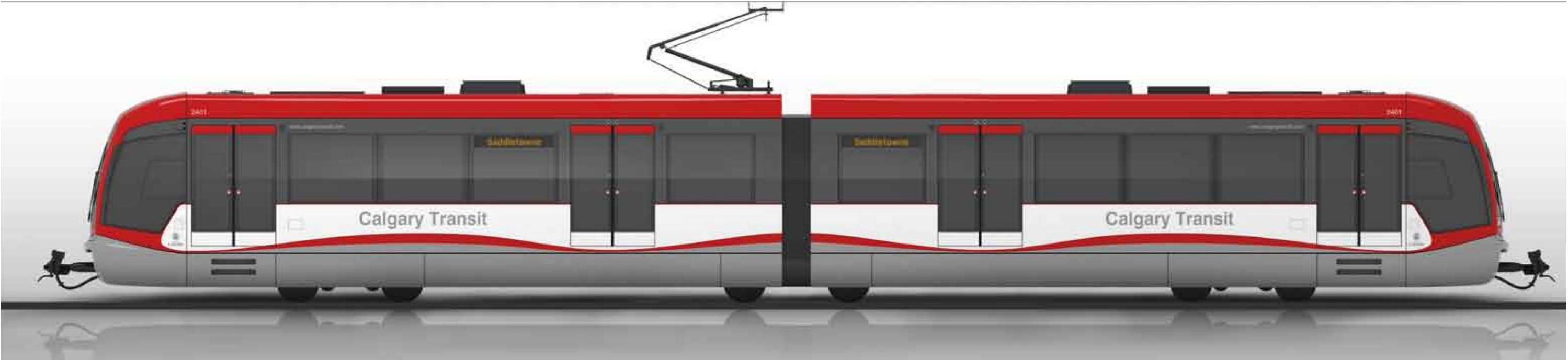
The BUFFALO

Side View



The BUFFALO

Single Car



2 Car Consist



4 Car Consist



The BUFFALO

Downtown 7 Avenue Southwest

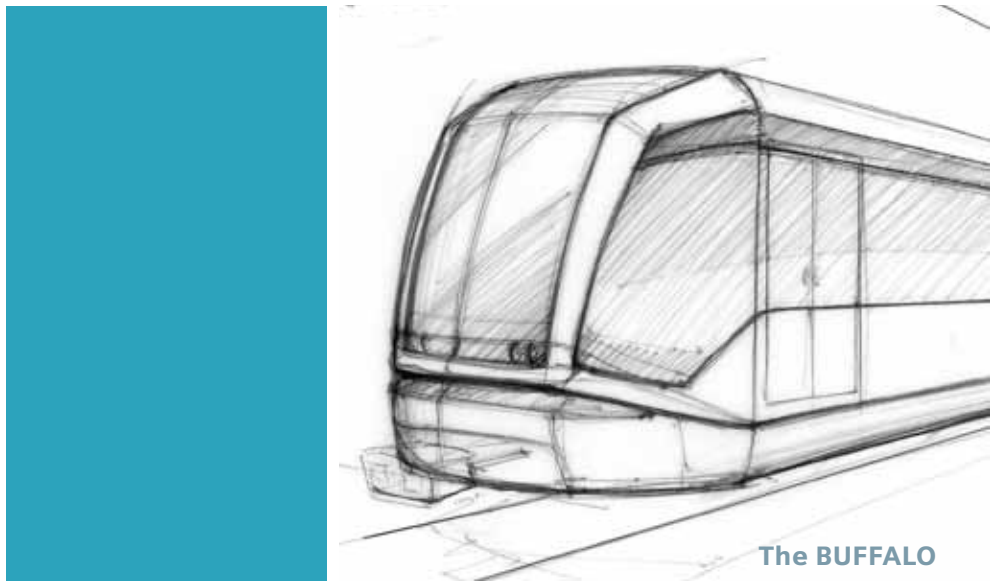


The BUFFALO

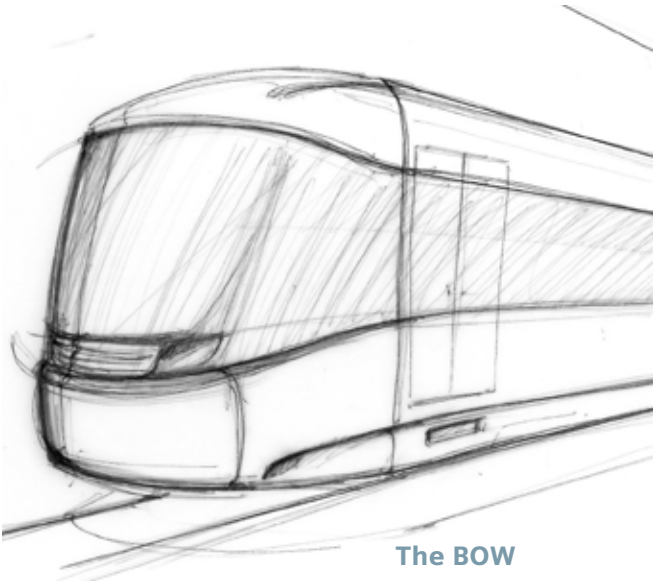
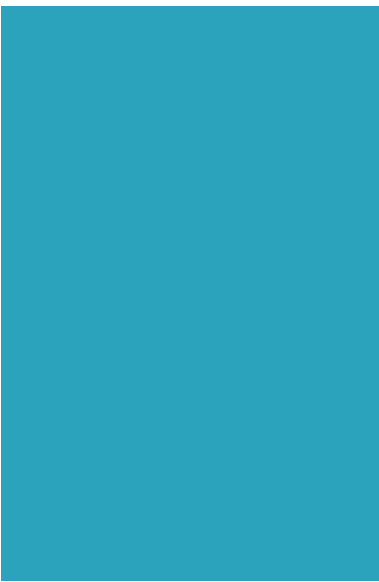
Downtown Station



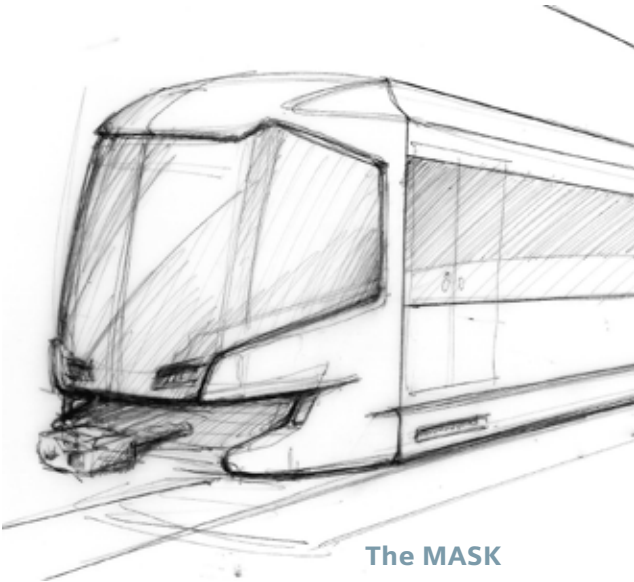
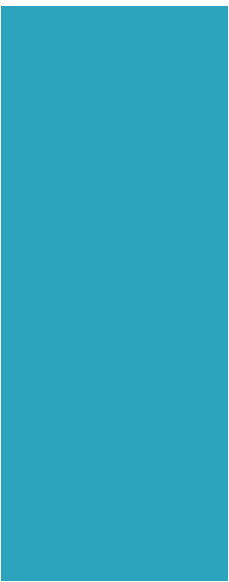
III. Exterior Design Concepts



The BUFFALO



The BOW



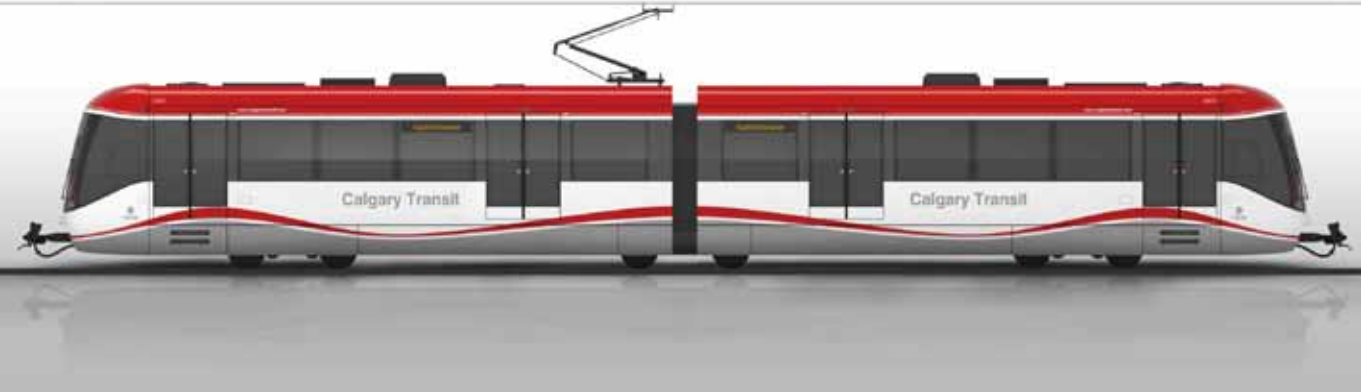
The MASK

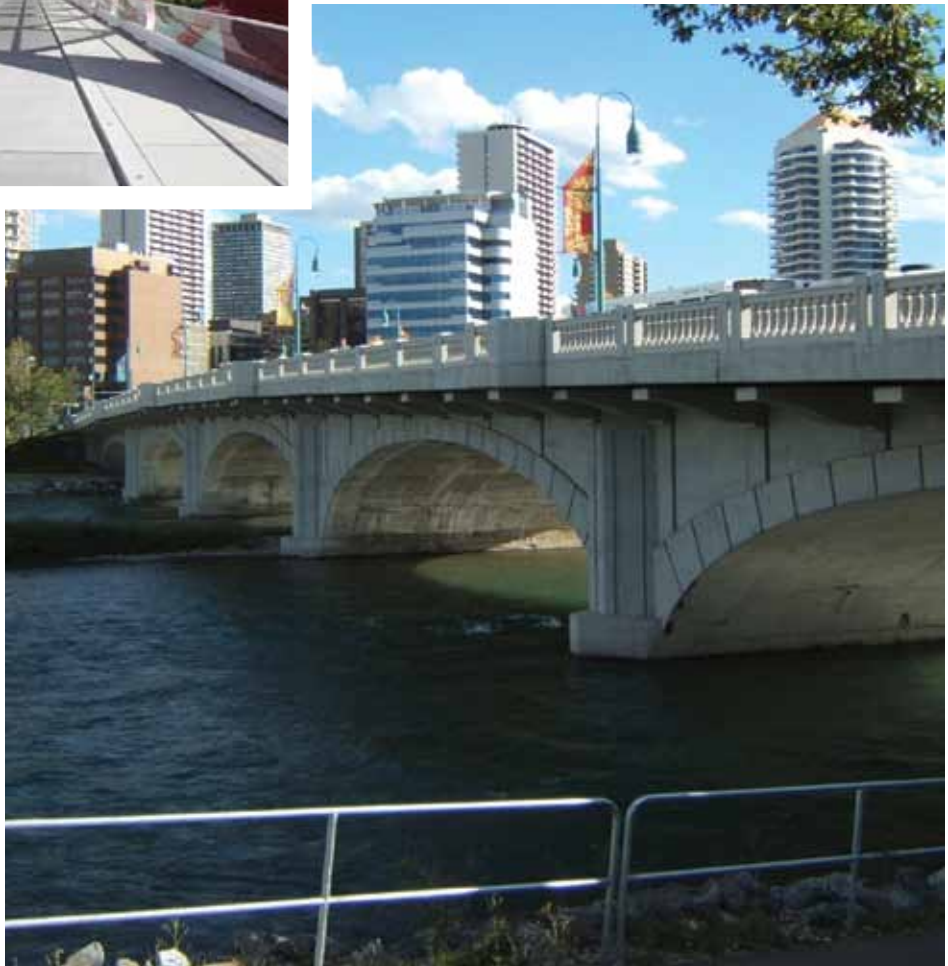
The BUFFALO

The BOW

The MASK

Calgary S200
The BOW



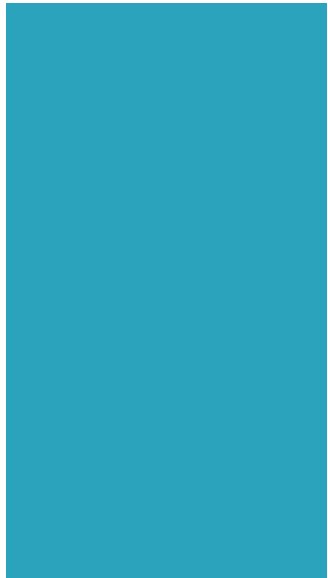


The BOW

Symbolizing

- Sustainability
- Prosperity
- Power
- A Force of Nature

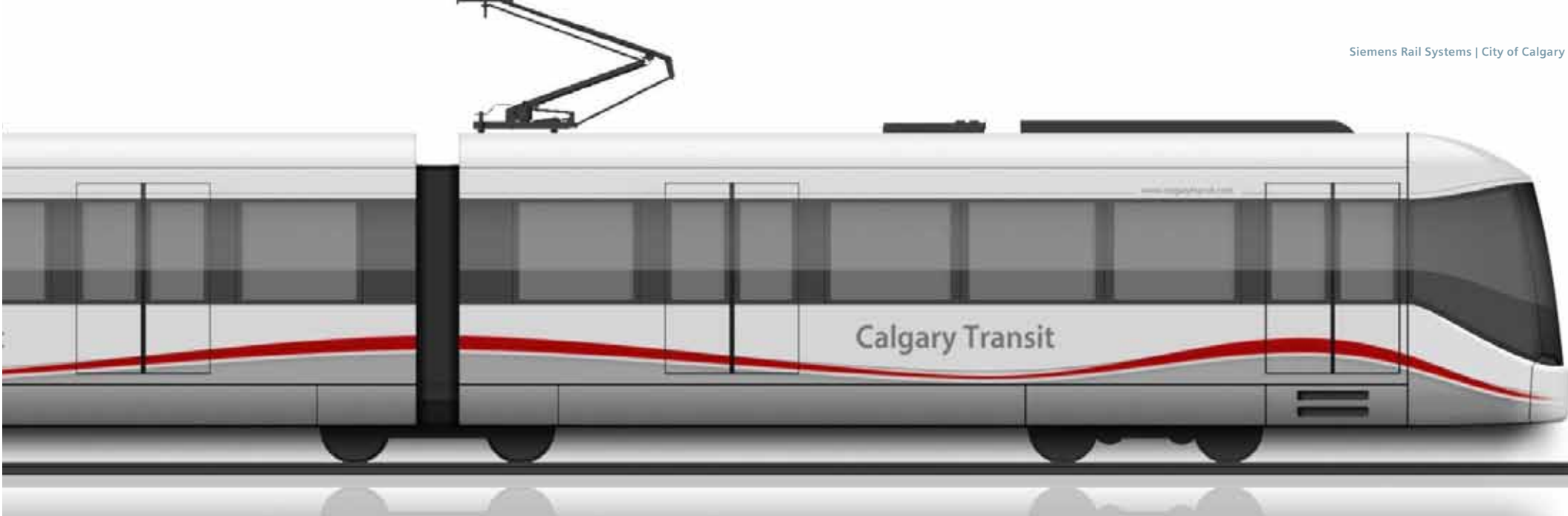
III. Exterior Design Concepts: The BOW



Early Designs

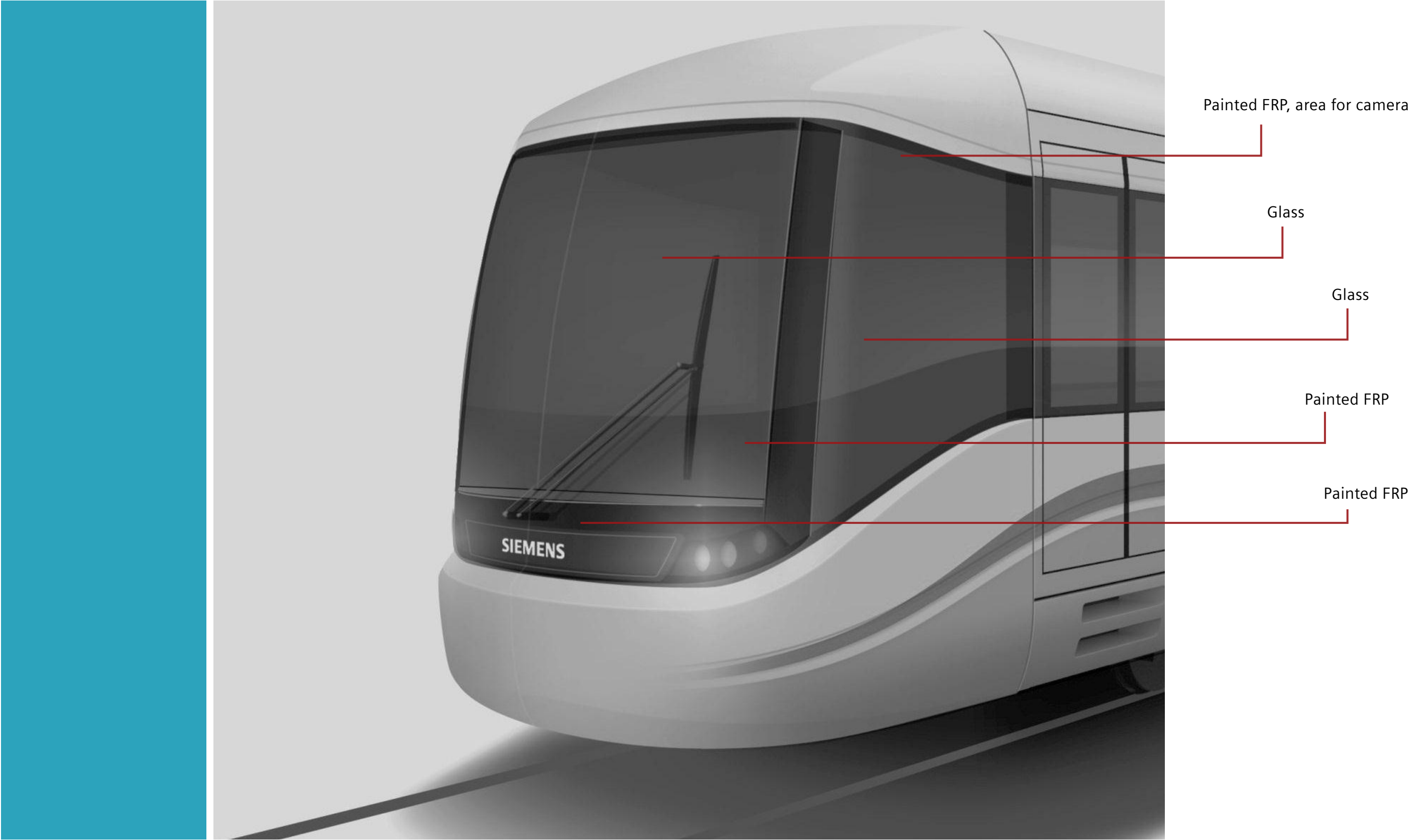
The BOW

Alternative Designs with Coupler
Covers and Paint Schemes



The BOW

Component Separation



The BOW

The Car for all Seasons



The BOW

Features and Benefits



The BOW

Front View



LED Lighting Markers and
Brake Lights

Mirrors Shown

The BOW

Top View



The BOW

Side View



The BOW

Single Car



2 Car Consist



4 Car Consist



The BOW

Downtown 7 Avenue Southwest

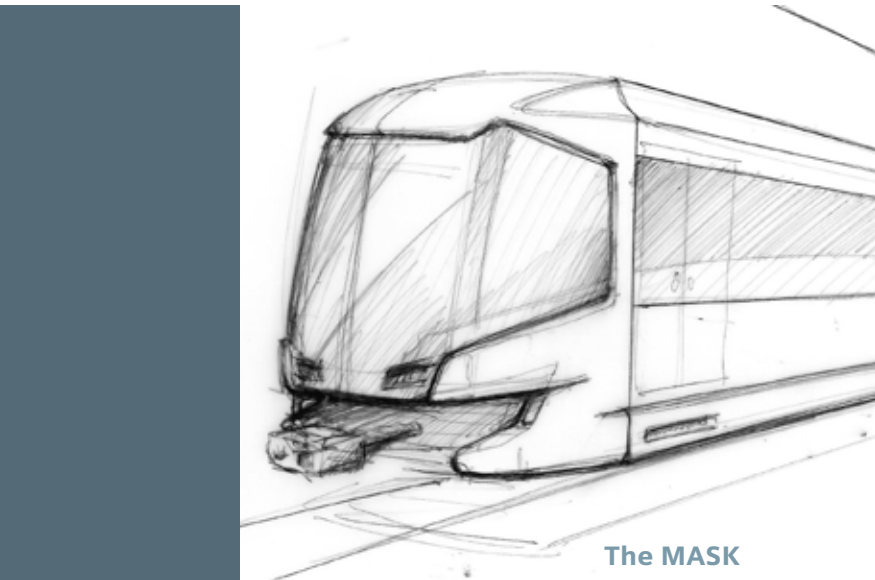
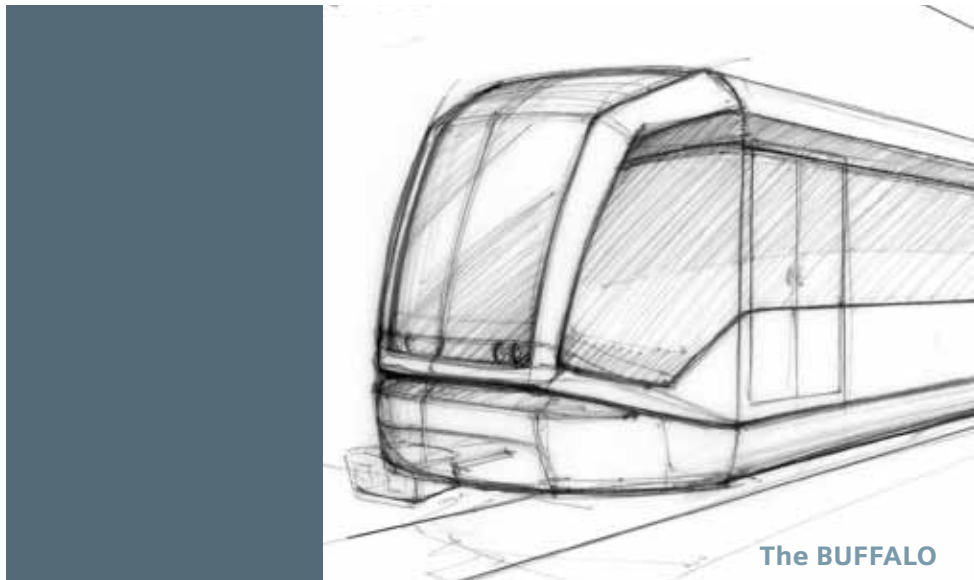


The BOW

Downtown Station



III. Exterior Design Concepts



The BUFFALO

The BOW

The MASK

Calgary S200

The MASK





The MASK

Symbolizing

- Individuality
- Protection
- Style
- Reliability

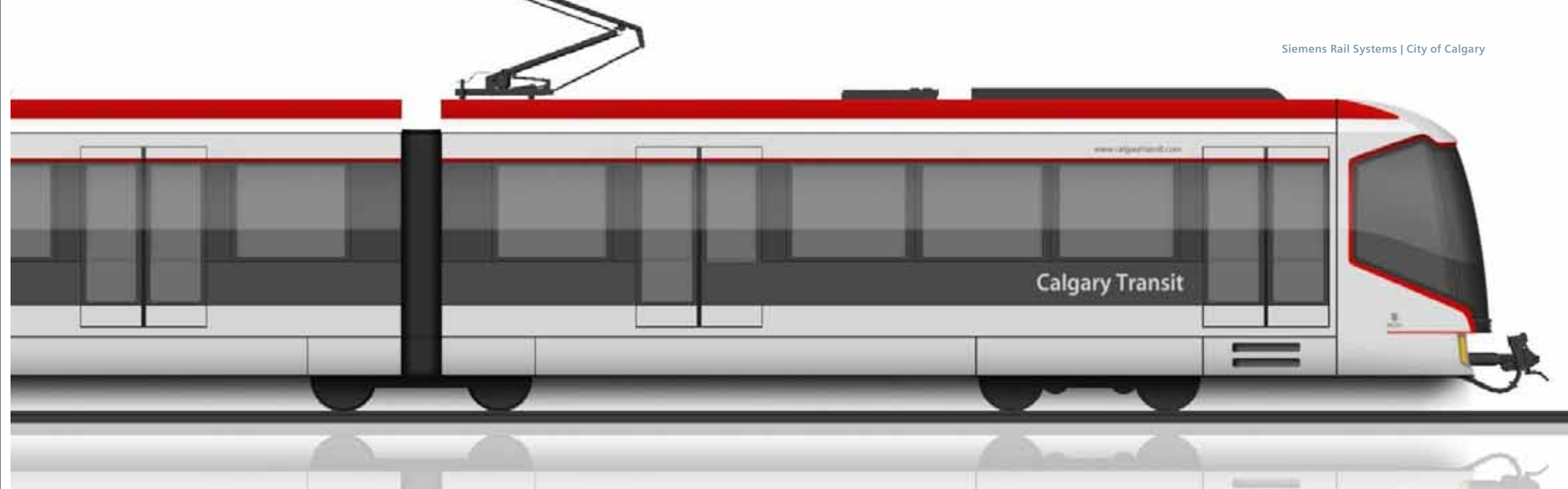
III. Exterior Design Concepts: The MASK



Early Designs

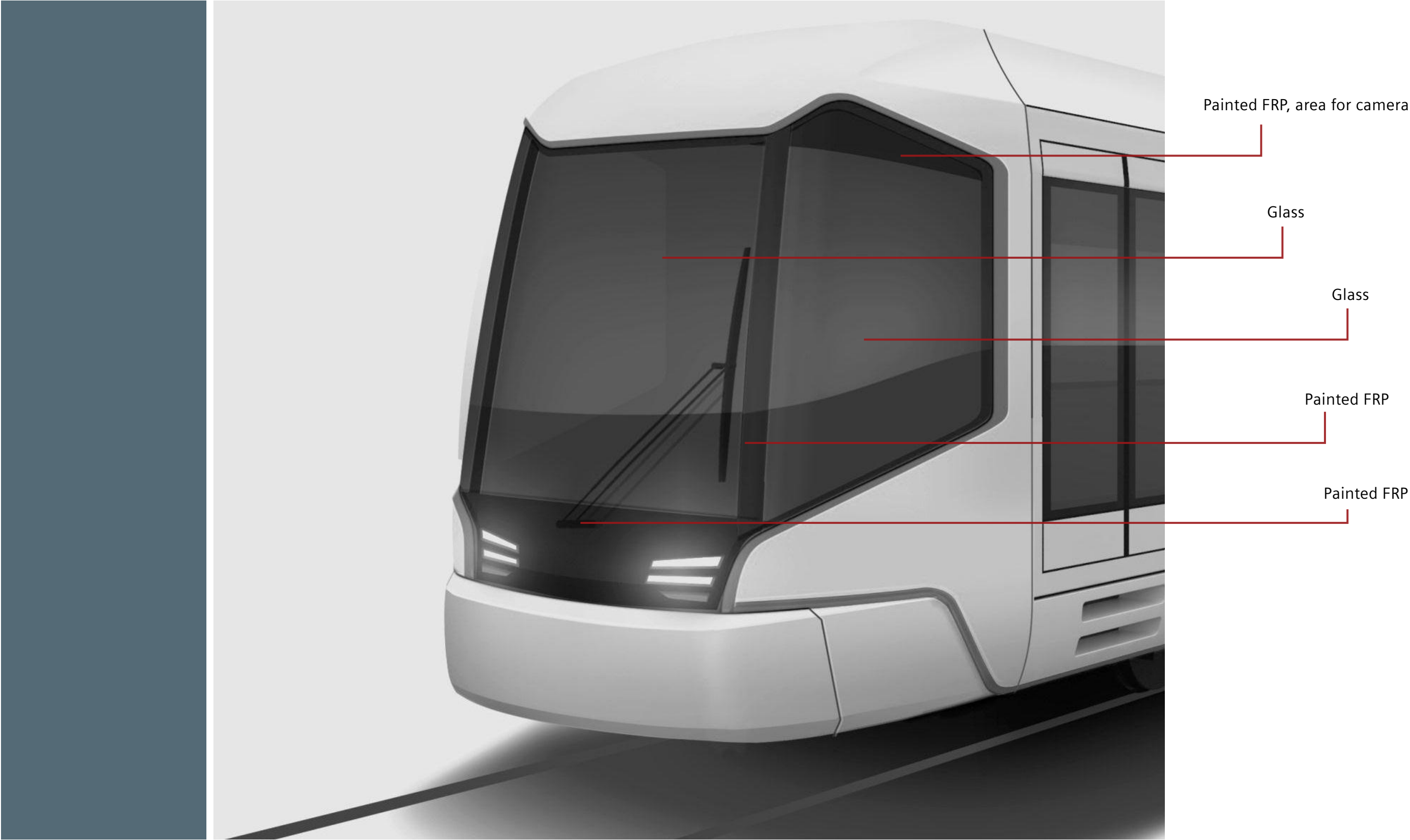
The MASK

Alternative Designs with Coupler
Covers and Paint Schemes



The MASK

Component Separation



The MASK

The Car for all Seasons



The MASK

Features and Benefits



The MASK

Front View



LED Lighting Markers and
Brake Lights

Mirrors Shown

The MASK

Top View



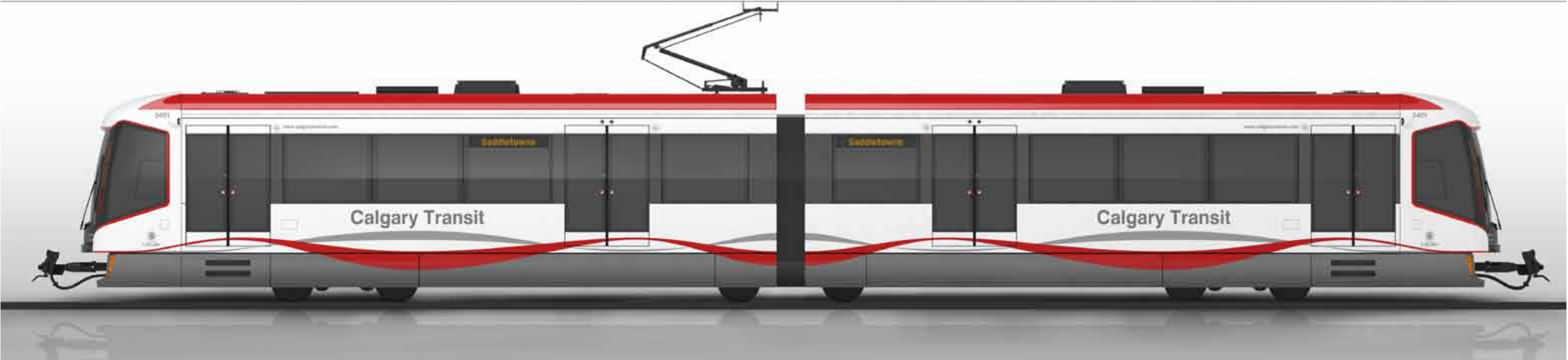
The MASK

Side View



The MASK

Single Car



2 Car Consist



4 Car Consist



The MASK

Downtown 7 Avenue Southwest



The MASK

Downtown Station



IV. Interior Design Concepts

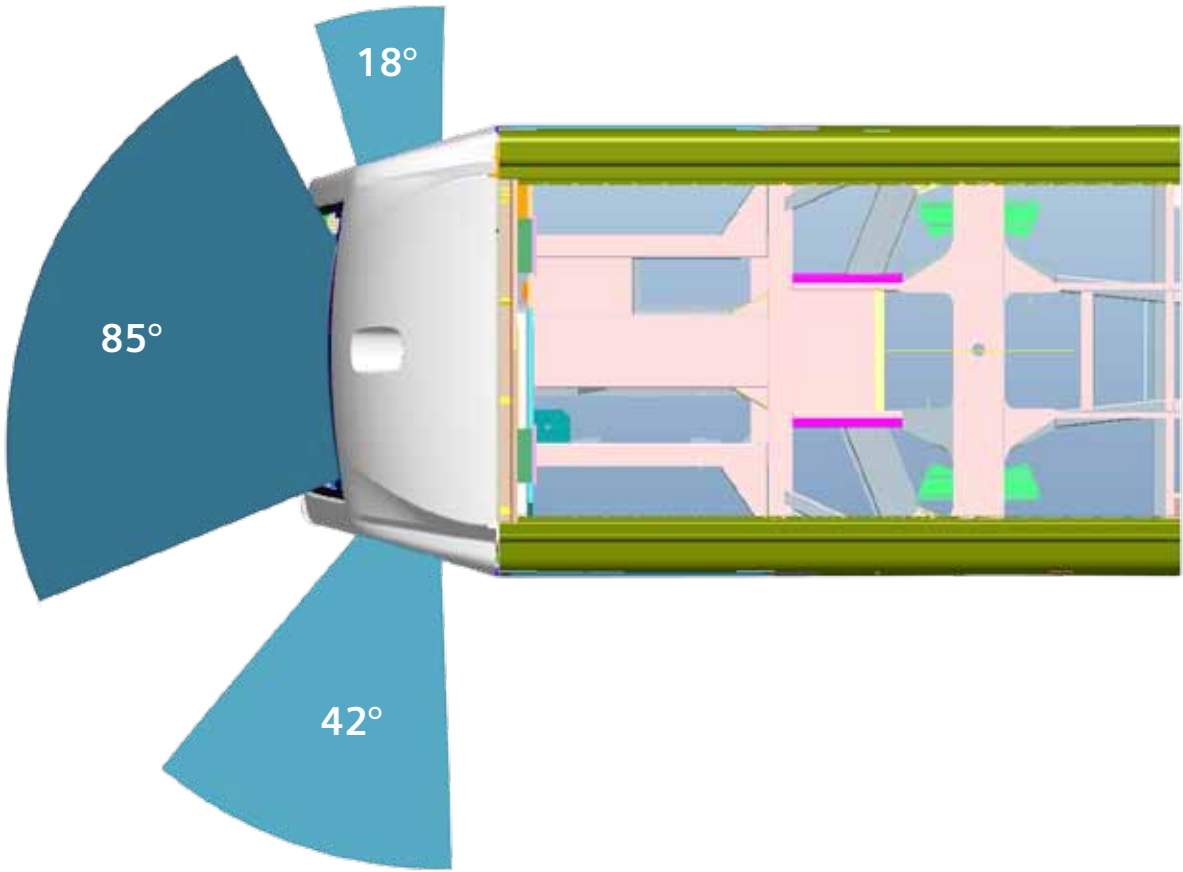


Visibility Study

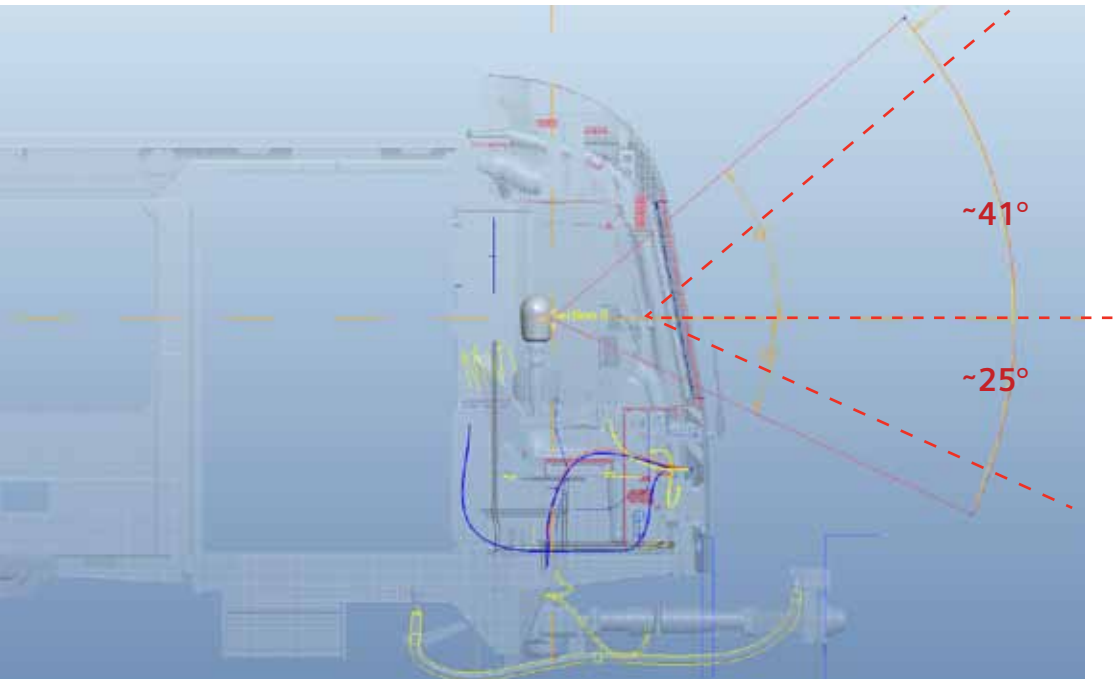
Calgary S200 Visibility

Excellent Visibility was Achieved for All Three Designs

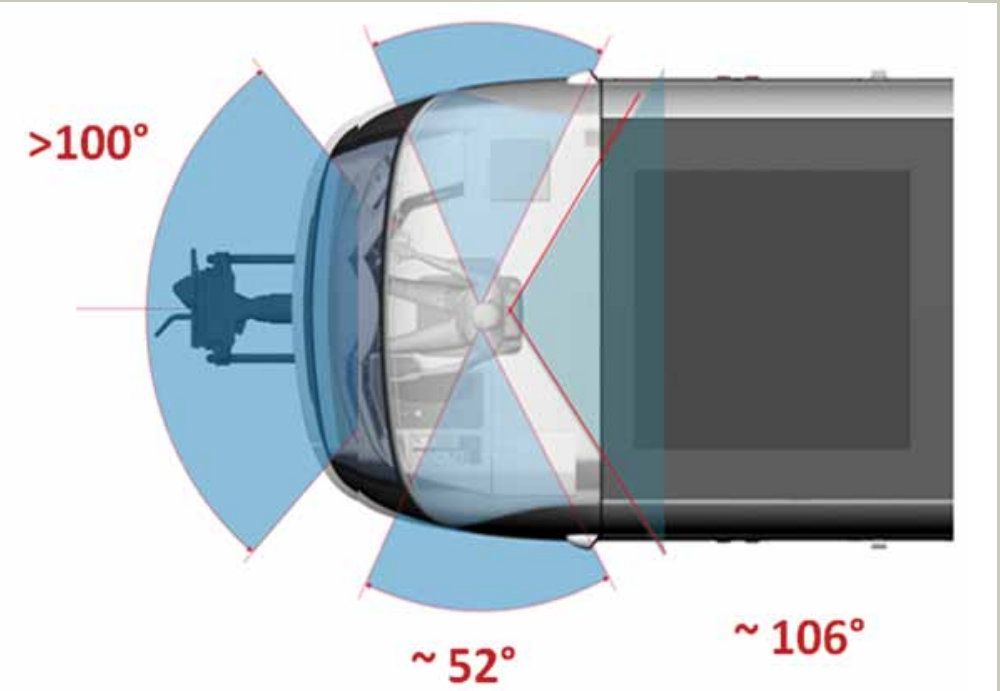
Calgary 8



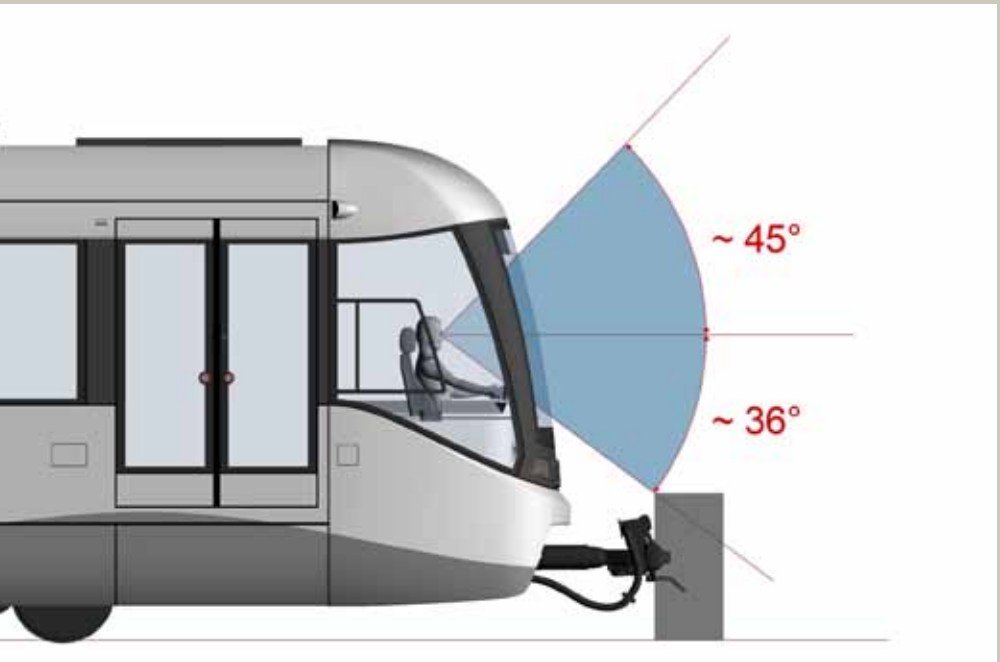
Calgary 8



Calgary S200

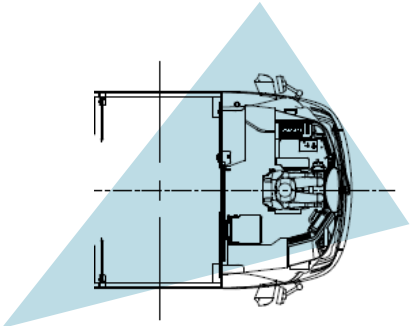


Calgary S200



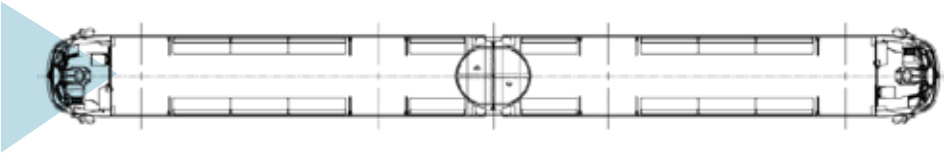
- The maximum possible amount of view in all directions, in accordance with SAE J1050
- The S200's horizontal visibility: Greater than 100 degrees (>15 degrees better than the current horizontal visibility of the Calgary 8 fleet)
- The S200's Cab Side Window visibility is ~10 degrees better on the left hand side and ~34 degrees better on the right hand side than the current Calgary 8 fleet
- The S200's vertical visibility: approximately 81 degrees (~15 degrees greater than the current vertical visibility of the Calgary 8 fleet)

Operator's Cab Layout



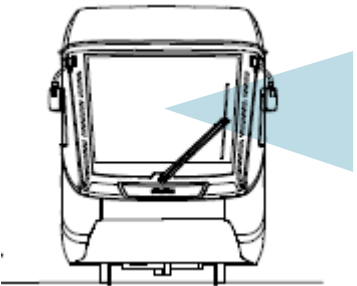
Operator's Cab

Operator's Perspective Forward



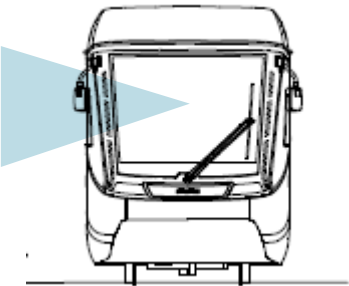
Operator's Cab

Operator's View out of the Left Cab Side Window



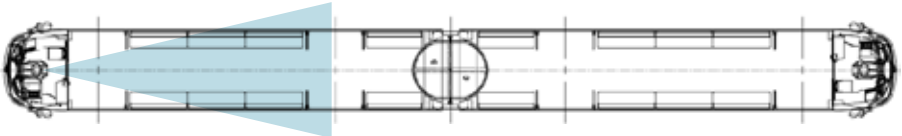
Operator's Cab

Operator's View out of the Right Cab Side Window



Operator's Cab

Operator's Perspective Through the Cab Partition to Passenger Area



IV. Interior Design Concepts



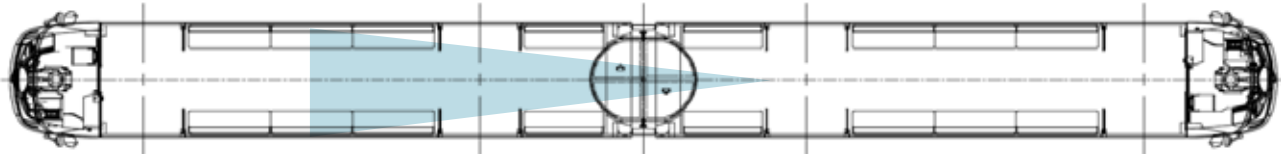
Red

Blue

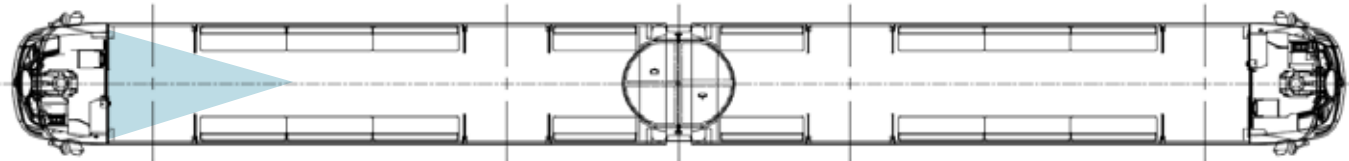
Black

Brown

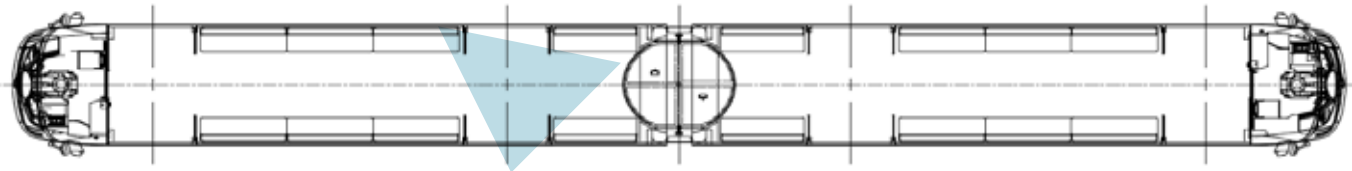
Red



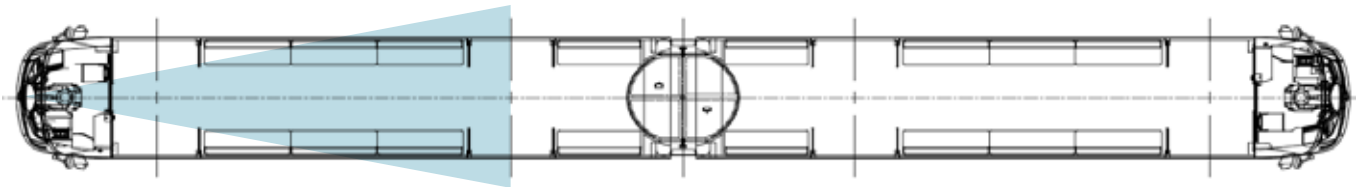
Red



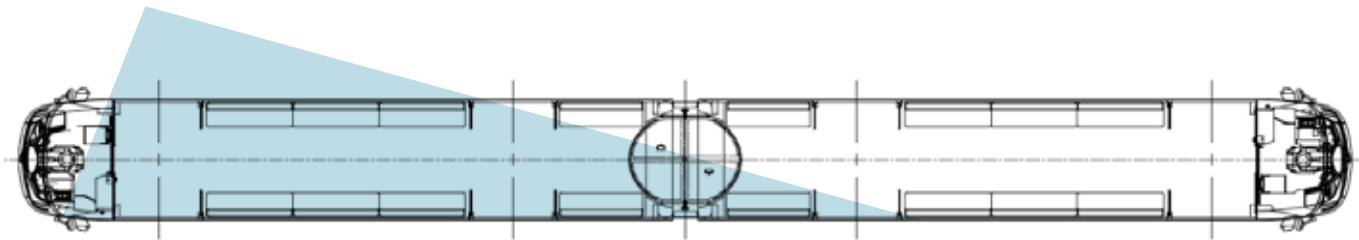
Red



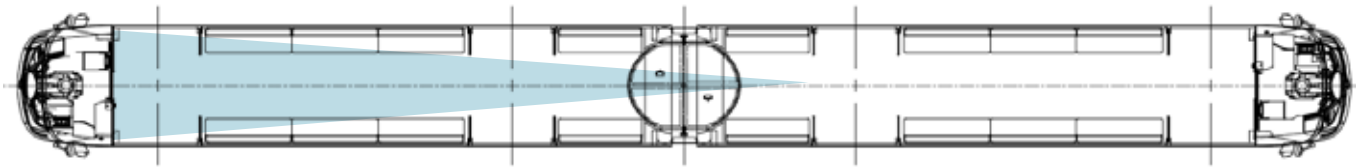
Red



Red



Red



IV. Interior Design Concepts



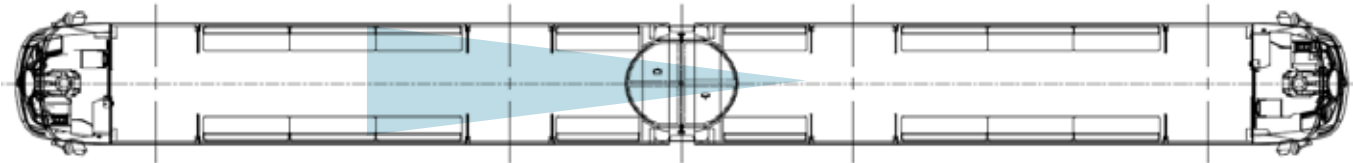
Red

Blue

Black

Brown

Blue



IV. Interior Design Concepts



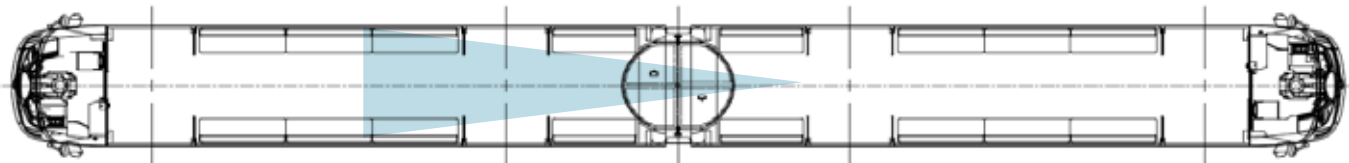
Red

Blue

Black

Brown

Black



IV. Interior Design Concepts



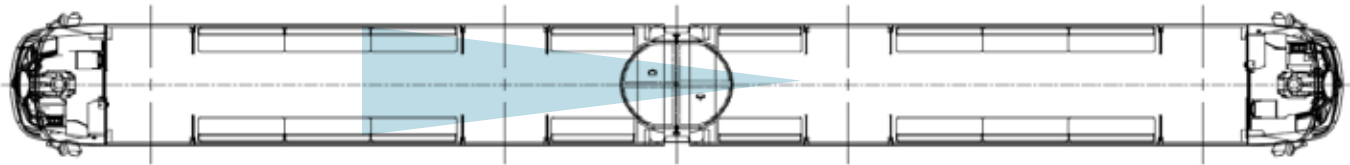
Red

Blue

Black

Brown

Brown



Interior Design Concept Overview

Red



Blue



Black



Brown



Proposal inspiration

“The Canadian heritage is rooted in our profound ability to deeply understand market forces and to produce results based on that comprehension: we listen, observe, and then respond.”

Everything I Needed to Learn About Business, I Learned from a Canadian
by Leonard Brody and David Raffia

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Infrastructure & Cities Sector

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