

I-290 Phase I Study

Corridor Advisory Group Meeting #16

July 17, 2013



Initial Interchange and Mainline Visualizations

NOTE:

The visualizations and renderings presented here are preliminary and are intended to illustrate concepts to facilitate stakeholder discussions.

These preliminary concepts are subject to further stakeholder coordination, engineering, research, and design.

Austin Boulevard – Aerial Perspective

Modified Single Point Interchange Concept

July 2013



Preliminary Draft



**PARSONS
BRINCKERHOFF**

Austin Boulevard – Columbus Park Perspective



Modified Single Point Interchange Concept

Preliminary Draft

July 2013



Viewpoint



Existing



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BRINCKERHOFF**

Austin Boulevard – Flournoy St. Perspective

Modified Single Point Interchange Concept

July 2013



Preliminary Draft



Austin Boulevard Interchange Transit/Pedestrian Perspective

July 2013

Preliminary Draft



Austin Boulevard Interchange Transit Oriented Design (TOD) Concept

July 2013

CONCEPTUAL

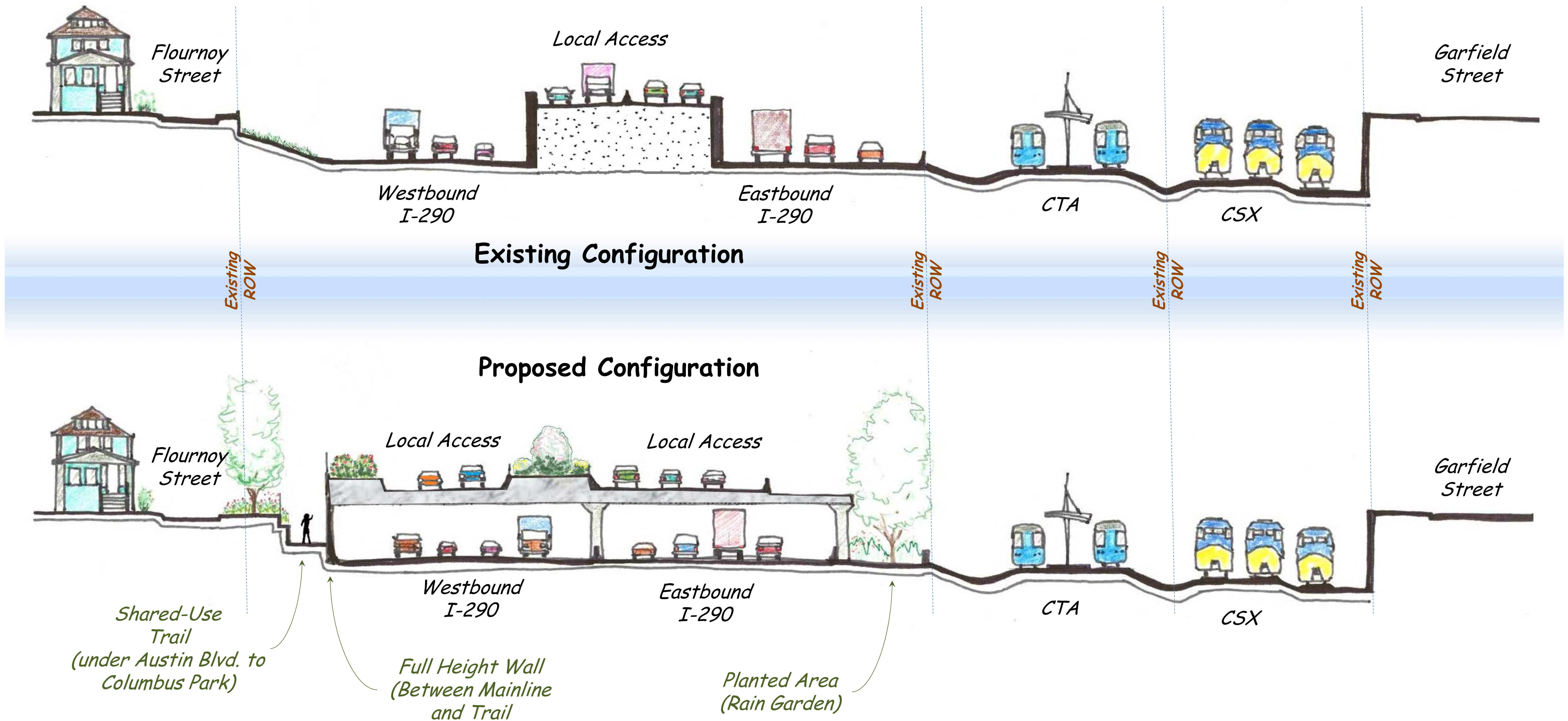


I-290 at Austin Boulevard

Cross Section – West of Austin Blvd.

July 2013

Preliminary Draft

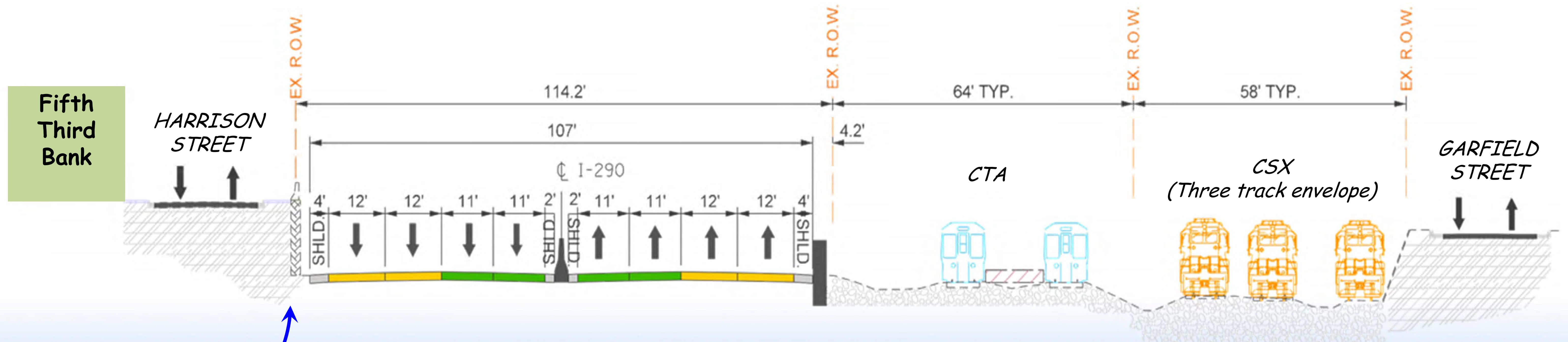


I-290 at Oak Park Avenue

Cross Section – East of Oak Park Ave.

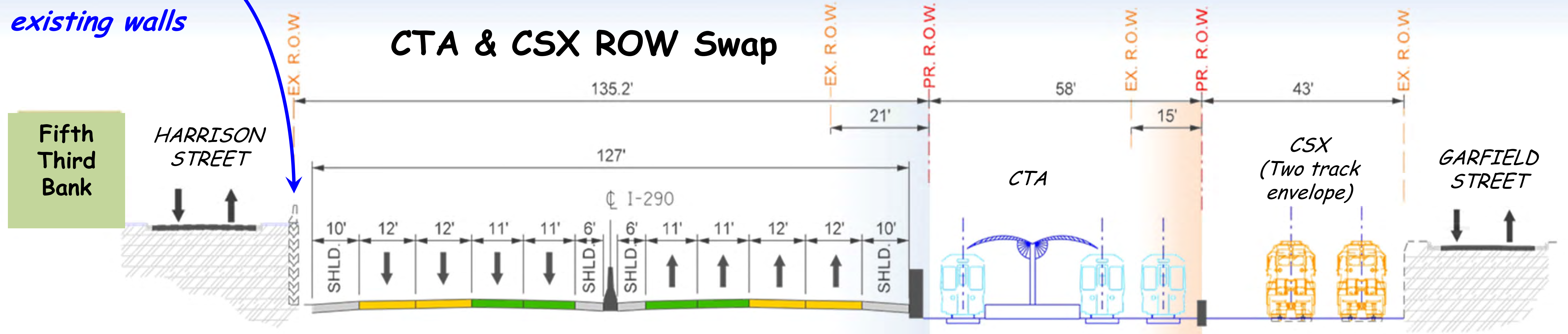
Two Concepts – No Impact to Communities

Preliminary Draft



No Impact to CTA or CSX

Expressway improvements remain within existing walls



CTA & CSX ROW Swap

CTA ROW Use

CSX ROW Use

Harlem Avenue – Aerial Perspective

Modified Single Point Interchange Concept

July 2013



PRELIMINARY DRAFT



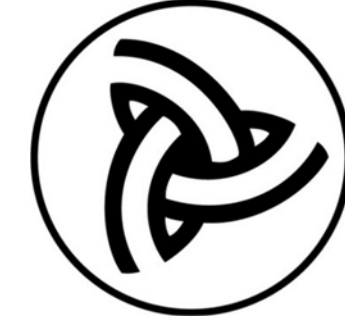
**PARSONS
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Harlem Avenue – Aerial Perspective 2

Modified Single Point Interchange Concept

July 2013

PRELIMINARY DRAFT



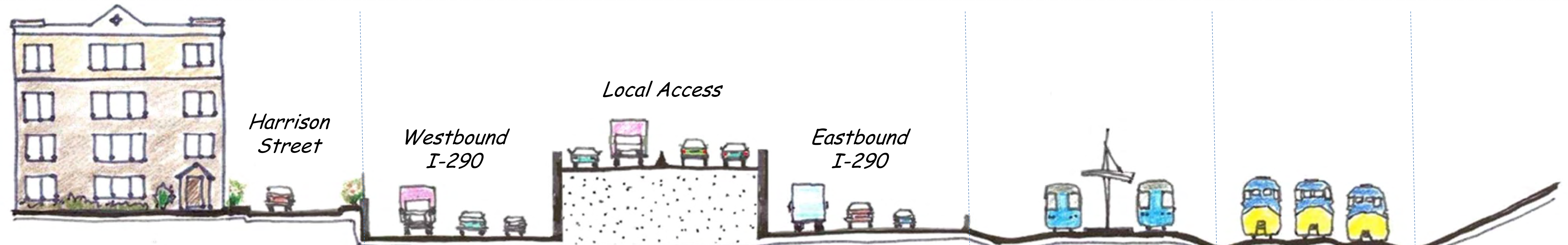
Illinois Department
of Transportation

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I-290 at Harlem Avenue

Cross Section – West of Austin Blvd.

July 2013



Existing Configuration



Proposed Configuration

*Shared-Use Trail
(under Harlem Ave.)*

*Westbound
I-290*

*Eastbound
I-290*

*Full Height Wall
(Between Mainline
and Trail)*

*Planted Area
(Rain Garden)*

PRELIMINARY DRAFT



Austin Boulevard & Harlem Avenue

Interchange Concept Features

- ❑ **Improved connections to transit**
 - Bus pullouts
 - Potential CTA Blue Line access on both sides of Austin Blvd.
- ❑ **Improved pedestrian and bike access to transit**
 - Wide sidewalks
 - Improved pedestrian walk signal times
 - Bike racks and bike sharing facility accommodations
 - Potential CTA access on both sides of Austin Blvd.
 - Pedestrian refuge islands
 - Potential East-West shared use trail connection under Austin Blvd.
 - Decorative walls provide visual barriers to I-290
- ❑ **Improved intersection traffic operations**
- ❑ **Stays within existing Right of Way (no displacements)**
- ❑ **Maintains intersection over middle of expressway**
- ❑ **Provides safer right-hand ramps while maintaining existing intersection location in middle of I-290**
- ❑ **Transit Oriented Development (TOD) potential**
- ❑ **Rain gardens to treat intersection runoff**
- ❑ **Mainline shifted away from community between ramps**
 - New space for shared use trail and/or landscaping / other
- ❑ **Expressway traffic shielded by ramps**

I-290 – Mainline Convertible Concept

1st Avenue to West of Addison Creek

Preliminary Draft



Initial Configuration

- 4 Lanes each direction
- Wide inside shoulder for Express Bus
- Landscaped Median Treatment
- Variable Speed Limits & Message Signs

Features:

- Bus on shoulder
- Variable speed limit adjusted for conditions
- Minimizes initial mainline pavement area



Ultimate Configuration

- Convert inside lanes & shoulders to HCT guideway
- Convert outside shoulder to through-lane
- Add new shoulders to the outside

Features:

- Reuses existing 8 lanes pavement
- No modifications to overhead bridges & piers required
- Only 8' of new outside shoulder required.

I-290 – Mainline Convertible Concept

1st Avenue to West of Addison Creek

Preliminary Draft

