Eisenhower expressway

Illinois Department of Transportation

Village of Maywood I-290 Advisory Working Group Meeting #5

August 17, 2016

Agenda

- *AWG #4 Recap*
- *Alternative 1 & 6 Traffic Comparison*
- *Alternative 6 – Local Circulation*
- *Other project benefits (recap)*
- *Noise Walls Re-Evaluation Process*
- *Next Steps*

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AWG Recap

Illinois Department of Transportation

AWG Recap

January 2016

- Stakeholder Concerns
- Additional Data Collection
- Additional Detailed Analysis
- Six Alternatives Developed and Scored

Alt. 1 — Further Studied — Alt. 6

Overall Community Benefits

August 2016

Alternative 6 Preferred Alternative

AWG Recap – Key Points

- **Alternative 6 – recommended:**
  - *All ramps stay open*
  - *Bataan Dr. & Harrison St. would not connect to 1st Ave.*
    - 90% of frontage road traffic is cut-through
  - Provides greatest benefit to 1st Avenue
- **Community benefits:**
  - Local travel time improvements
  - Drainage improvements
  - Additional green space
  - Bike/Pedestrian improvements
  - Aesthetic improvement opportunities

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Traffic Simulations

Illinois Department of Transportation

Traffic Simulation – Broader Network

Illinois Department of Transportation

25th to 1st Avenue – Broader Network *2040 PM Peak Period*

Network Link Traffic Volumes *(Link colors update at 15 second intervals)*

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July 2016

4x time lapse

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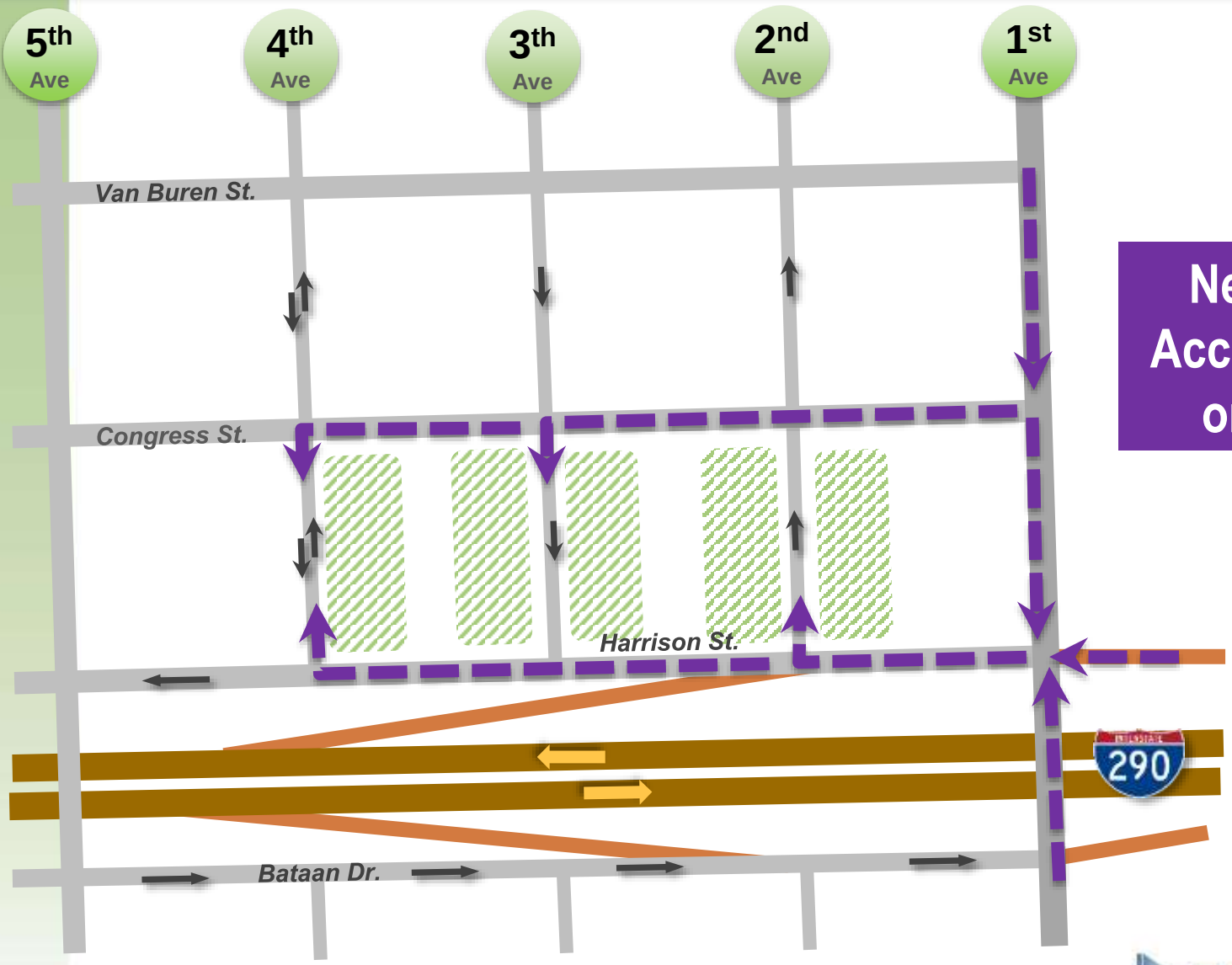
Alternative 6
Local Circulation

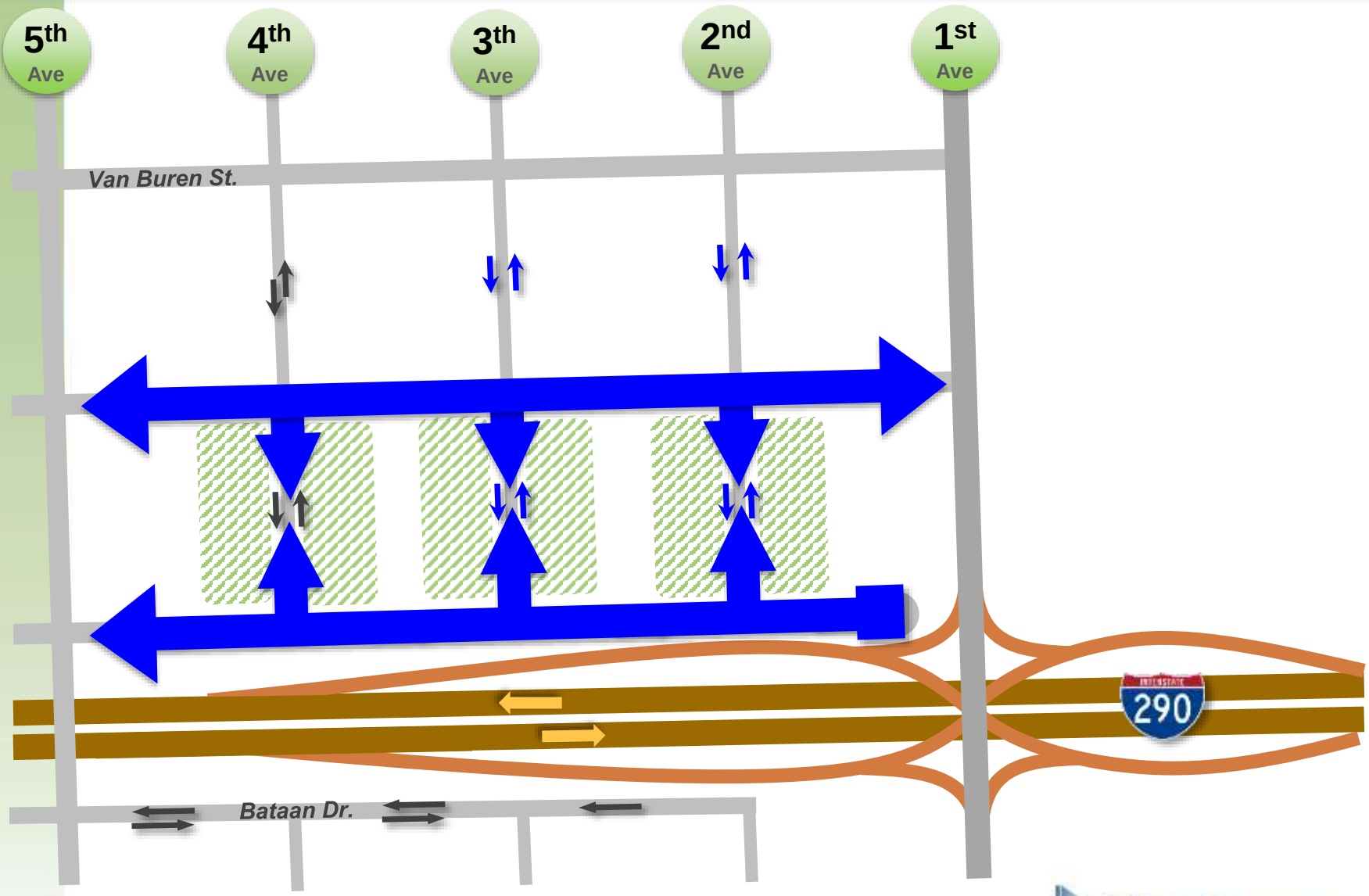
Illinois Department of Transportation

Local Access – Existing

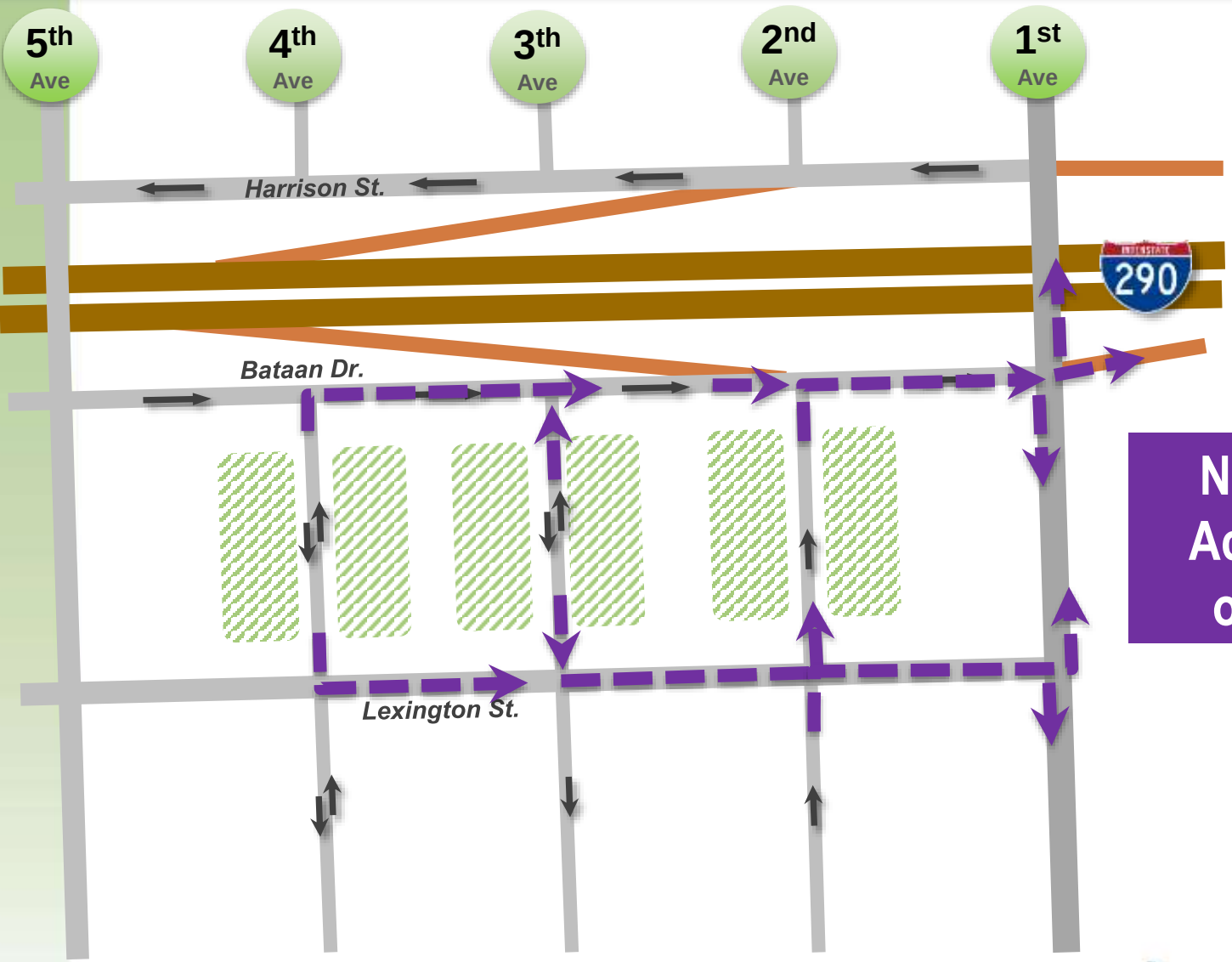


Neighborhood Access from I-290 or 1st Avenue

Local Access – Proposed Alternative 6

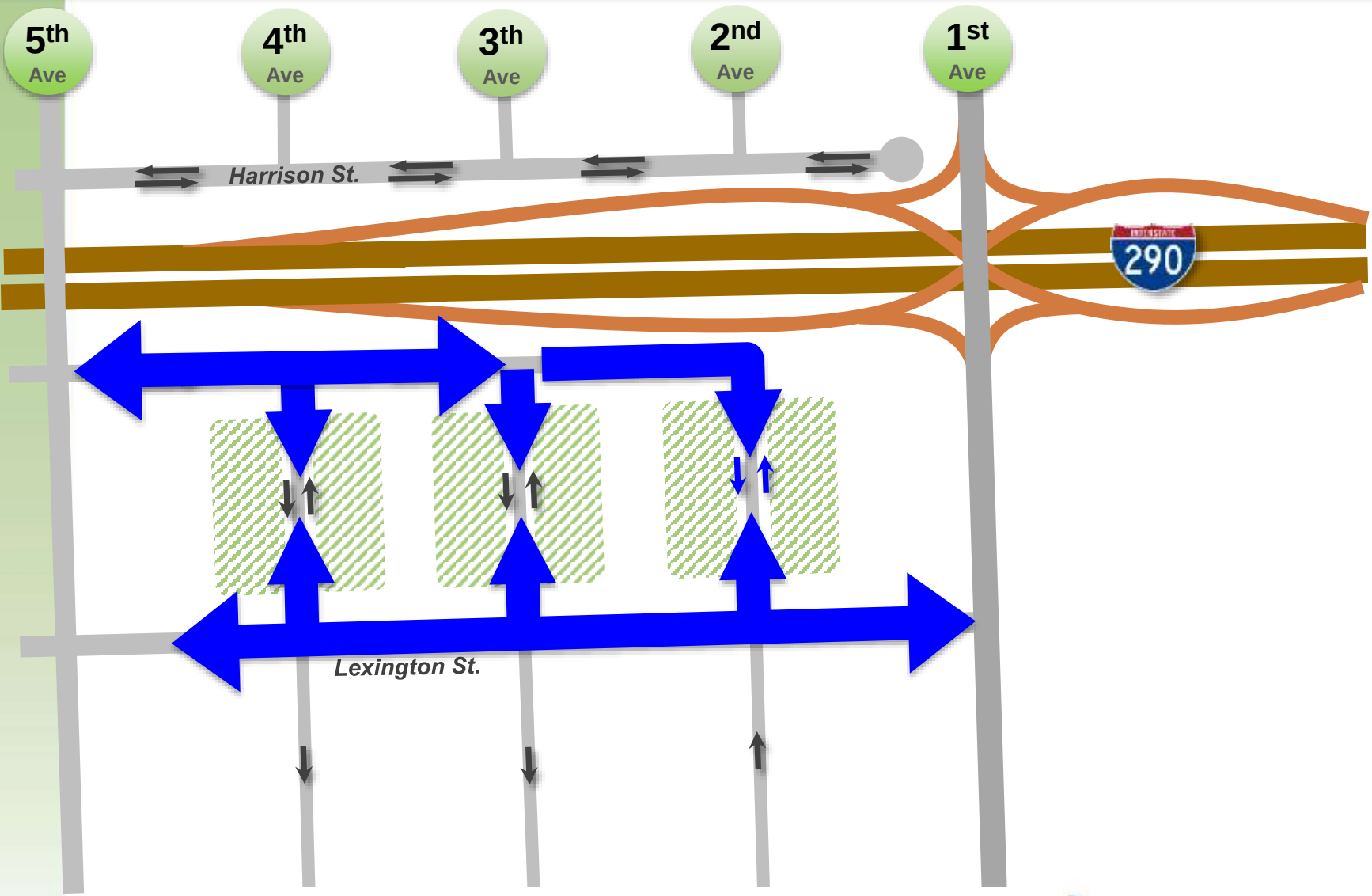


Local Access – Existing



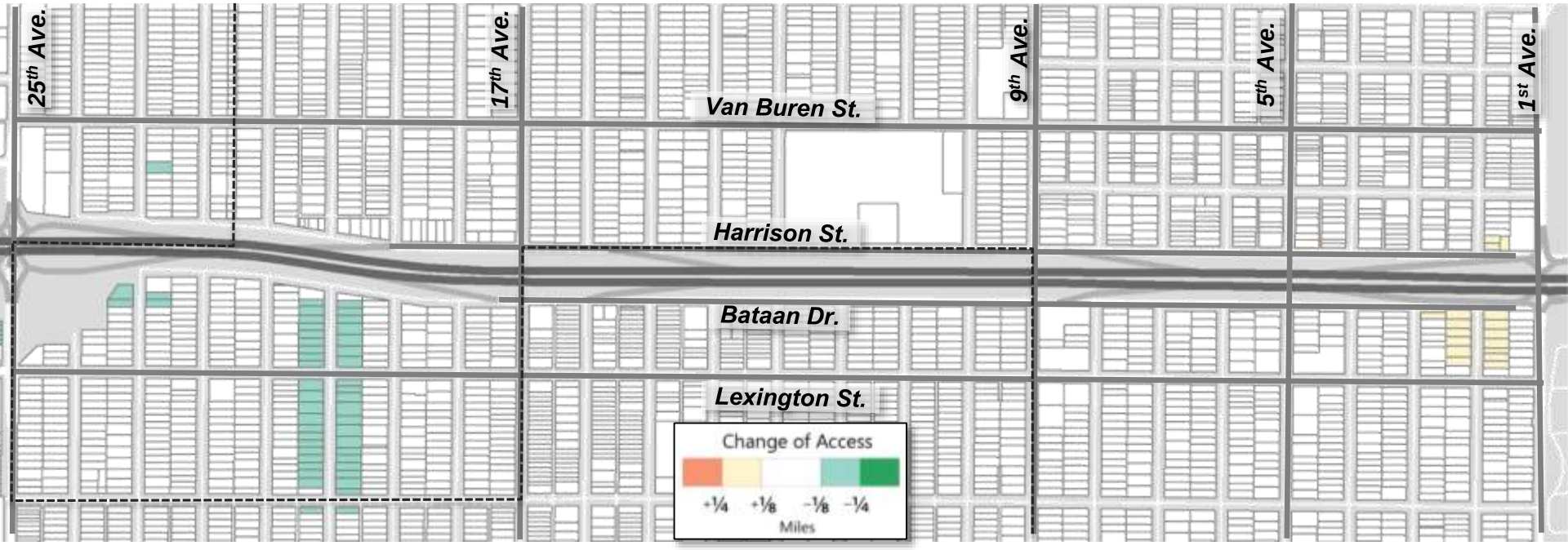
Neighborhood Access to I-290 or 1st Avenue

Local Access – Proposed Alternative 6



Local Access – GIS Travel Distance Analysis

ALTERNATIVE 6 – Average distance change in expressway access



- Compares Existing to Proposed Alternative 6
- Measures change in driving distance to over 3,500 parcels
- To & From I-290
- *Overall: 21 ft average travel distance reduction*

Local Access – Conclusions

- ✓ **Alternative 6** eliminates cut through opportunities
- ✓ **Alternatives 1 & 6** have similar local traffic effects
- ✓ Local access patterns not significantly changed

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Noise Wall Process

Illinois Department of Transportation

Illinois Department of Transportation

Process required by the Federal Highway Administration (FHWA)

U.S. Department of Transportation Federal Highway Administration

- **Walls are proposed if they:**
  1. *Can be physically constructed*
  2. *Meet noise reduction & cost criteria*
  3. *Are locally supported / voted for*

VOTER ELIGIBILITY

- Property owners & tenants benefitted by a noise wall
- Benefit is defined as a 5 or more decibel decrease (exterior)

Noise Wall Voting Process

Illinois Department of Transportation

- **Ballot response rate**
  - **33% is desired,** but not required
  - A second ballot issued if initial mailing results in less than a 33% response rate

RESULTS

- Each wall voted on **individually**
- Voting results based on **return ballots only**
- **Simple majority** needed to implements a wall

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Noise Wall Process

- **Design (Phase II)**
  - **Balloting revisited in Phase II if public sentiment has changed due to:**
    - *Substantial time lapse since vote*
    - *Changes in wall technology/wall composition*
    - *Changes in policy*

- **Construction (Phase III)**
  - Cost of walls are covered by I-290 project
  - IDOT maintains wall structure & highway wall face
  - Local communities will be asked to maintain appearance of community wall face

Noise Wall Analysis – Process & Timeline

Illinois Department of Transportation

25th Avenue to 1st Avenue Noise Wall Re-Evaluation and Voting Schedule

IDOT is reanalyzing noise walls for I-290 between 25th and 1st Avenues as a result of the revised design developed in this area

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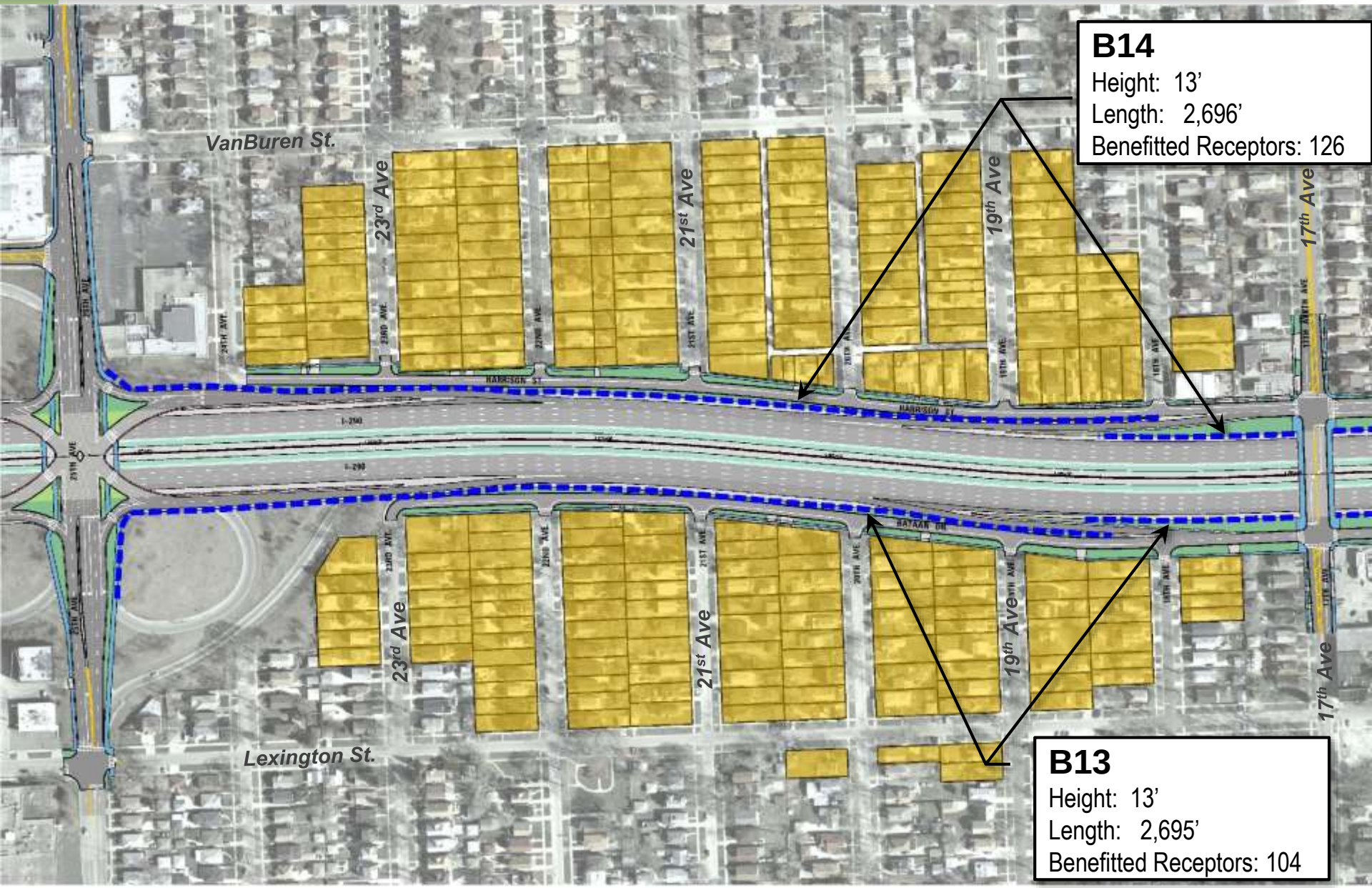
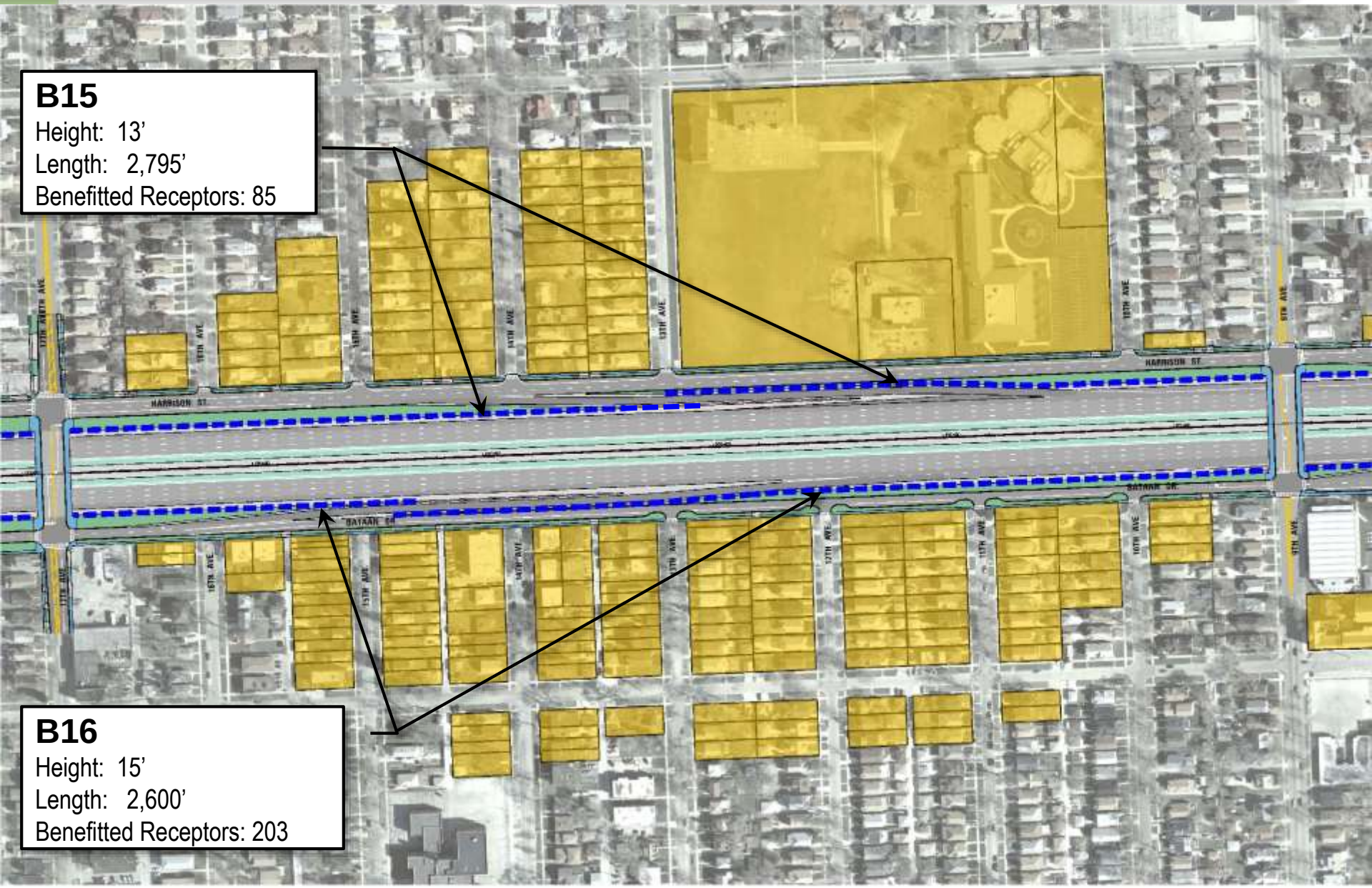
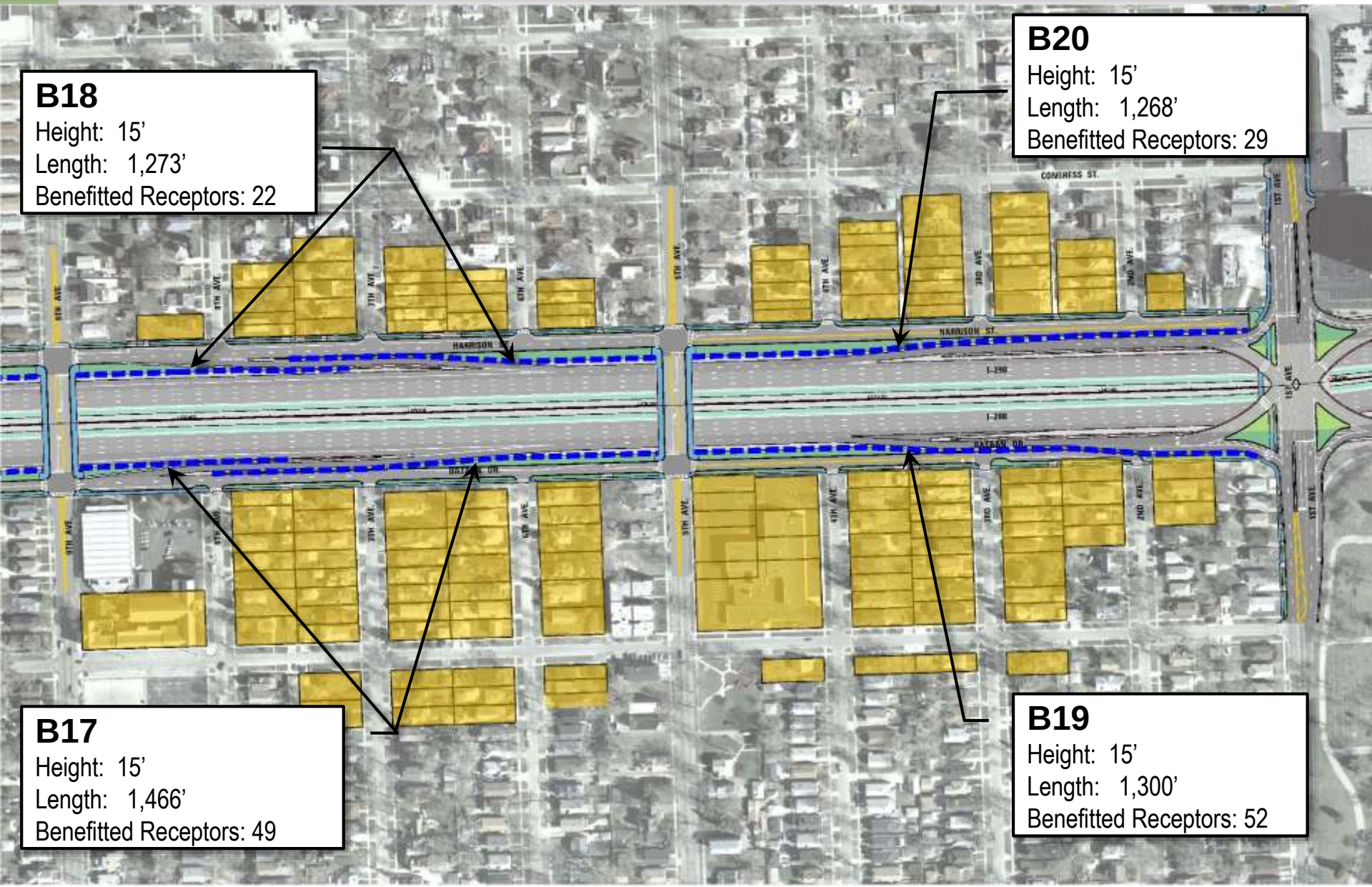
Benefitted Receptors



Benefitted Receptors



Benefitted Receptors



Noise Wall Ballot Mailing

I-290 Noise Wall Viewpoints
Illinois Department of Transportation
c/o Huff & Huff Inc.
915 Higgins Road, Suite 330
Oak Brook, IL 60523

Resident/owner name
Street Address
City, State, Zip

Illinois Department of Transportation
Division of Highways/Region One/District One
301 West Center Court/Schaumburg, Illinois 60196-1096

Project and Environmental Studies
Eisenhower Expressway (I-290)
West of Mannheim Road to Racine Avenue
Cook County

August 18, 2016

RE: I-290 Noise Barrier Viewpoint Solicitation
FIRST NOTICE – REVISED NOISE WALL DESIGN

Dear Property Owner or Resident,

The Illinois Department of Transportation (IDOT) is conducting Preliminary Engineering and Environmental (Phase I) studies for the Eisenhower Expressway (I-290) project. The purpose of the I-290 study is to improve mobility, safety, and facility condition/design along the I-290 multi-modal corridor. The proposed I-290 improvements extend from west of Mannheim Road to Racine Avenue and include:

- Complete reconstruction of I-290 from west of Mannheim Road to east of Cicero Avenue including adding a 4th travel lane in each direction between Mannheim Road and Central Avenue.
- Reconstruction of all crossroad bridges between 25th Avenue and Cicero Avenue including improved bicycle and pedestrian facilities. The bridges between Cicero Avenue and Racine Avenue are being analyzed as part of a separate study.
- Restriping I-290 from east of Cicero Avenue to Racine Avenue.
- New interchanges at 25th Avenue, 17th Avenue, 9th Avenue, 1st Avenue, Des Plaines Avenue, Harlem Avenue, Austin Boulevard, Central Avenue, Laramie Avenue and Cicero Avenue.
- Keeping all existing expressway ramps open.
- A two-mile shared-use trail (IL Prairie Path extension).
- Improved access to CTA Blue Line stations for buses, bicycles and pedestrians.

In September of 2015, you may have received and responded to a similar letter regarding a proposed noise wall in your area. Since then, as part of ongoing local community coordination and in response to local stakeholder concerns, the proposed expressway design has been revised and all existing ramps between 25th and 1st Avenue are proposed to remain open. This design change from September of 2015 required that noise walls be fully re-evaluated between 25th Avenue and 1st Avenue and a new noise wall vote be conducted. This ballot supersedes and replaces any previous ballot you may have received.

As part of the environmental studies for this project, traffic noise was evaluated for the proposed improvements as well as the No-Build or do-nothing option, per Federal requirements. The analysis found that with the proposed improvements, the predicted future noise levels in your area justify the installation of a noise wall. Based on this study, a noise wall is recommended in your area. The enclosed exhibits show the location of the noise wall and an example rendering of a wall of similar height.

...public opinion into account before a final decision is made on the construction of noise ... property "benefitted" by a noise wall may vote in favor of or against the wall. A property ... by a wall when the proposed wall results in a noticeable reduction in noise level, which ... as five decibels or more. If more than half of the votes received are in favor of the ... will likely be included in the project. A final decision on the installation of abatement ... will be made upon completion of the project's final design and the public involvement ...

...dy/rental unit has been found to be benefitted from the noise wall shown in the enclosed ... DOT respectfully requests your vote for or against the noise wall. Additional public ... regarding the appearance, materials, and maintenance of the wall will be needed after ... process is completed.

...formation is available on the project website http://eisenhowerexpressway.com and in ... traffic noise handbook: http://www.idot.illinois.gov/Assets/uploads/files/Doing-...Manuals-Guides-&-Handbooks/Highways/Design-and-...nt/Environment/Highway-Traffic-Noise-Assessment-Manual.pdf

...Hall public meeting to review the current status of the I-290 project will be held on ... 31, 2016. Project representatives will be available to discuss noise walls and other aspects of the project. Meeting details are listed below.

Date: August 31, 2016

Location: Proviso Math and Science Academy
8601 W. Roosevelt Road, Forest Park, IL

Time: 6:00 to 8:00 PM

...a "Viewpoint Form" for you to vote for or against the recommended noise wall in your ... your vote to count, please complete and return the form by **September 9, 2016** using ... self-addressed, stamped envelope. If you have any questions or need additional ... please contact me or Mark Peterson, Project Manager, at (847) 705-4562.

...ours,

...ann, P.E.
...ector of Highways
...e Engineer

By: [signature]

Peter E. Harmet, P.E.
Bureau Chief of Programming

Enclosures

Benefitted Receptor Viewpoint Form

Project and Environmental Studies
Eisenhower Expressway (I-290)
West of Mannheim Road to Racine Avenue
Cook County

Date: _____

Do you support the construction of the noise wall?

_____ Yes

_____ No

Name: _____

Address: _____

_____

_____

Signature: _____

Owner of this property: _____ Tenant on this property: _____

Comments:

_____

_____

_____

_____

_____

_____

Please respond by September 9, 2016. Thank you for your participation!

Please return this form in the enclosed envelope, to:

I-290 Noise Wall Viewpoints
Illinois Department of Transportation
c/o Huff & Huff, Inc.
915 Harger Road, Suite 330
Oak Brook, IL 60523

16184120280000 / 837 / R99-29

Eisenhower expressway

Noise Wall Visualizations

Illinois Department of Transportation

1

Harrison St. & 21st Avenue

Bellwood

Noise Wall Visualizations

Illinois Department of Transportation

Noise Wall Visualizations

Illinois Department of Transportation

2

Bataan Drive & 18th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

With Noise Wall

2

Bataan Drive & 18th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

3

Bataan Drive & 15th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

With Noise Wall

3

Bataan Drive & 15th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

Existing

4

Bataan Drive & 8th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

With Noise Wall

4

Bataan Drive & 8th Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

5

Bataan Drive & 2nd Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

With Noise Wall

5

Bataan Drive & 2nd Avenue

Maywood

Noise Wall Visualizations

Illinois Department of Transportation

Harrison St. & 1st Avenue

Maywood

6

Noise Wall Visualizations

Illinois Department of Transportation

With Noise Wall

6

Harrison St. & 1st Avenue

Maywood

Next Steps

- **Finalize Alternative 6 design**
- **Complete noise wall re-analysis**
- **Town Hall meeting & Noise Wall Forum**
  - *August 31st, 6pm – 8pm*
  - *Proviso Math and Science Academy*
- **Continue overall stakeholder coordination**
- **Draft Environmental Impact Statement**
  - *December 2016*
- **Public Hearing**
  - *January 2017*
- **Study Completion**
  - *Summer 2017*