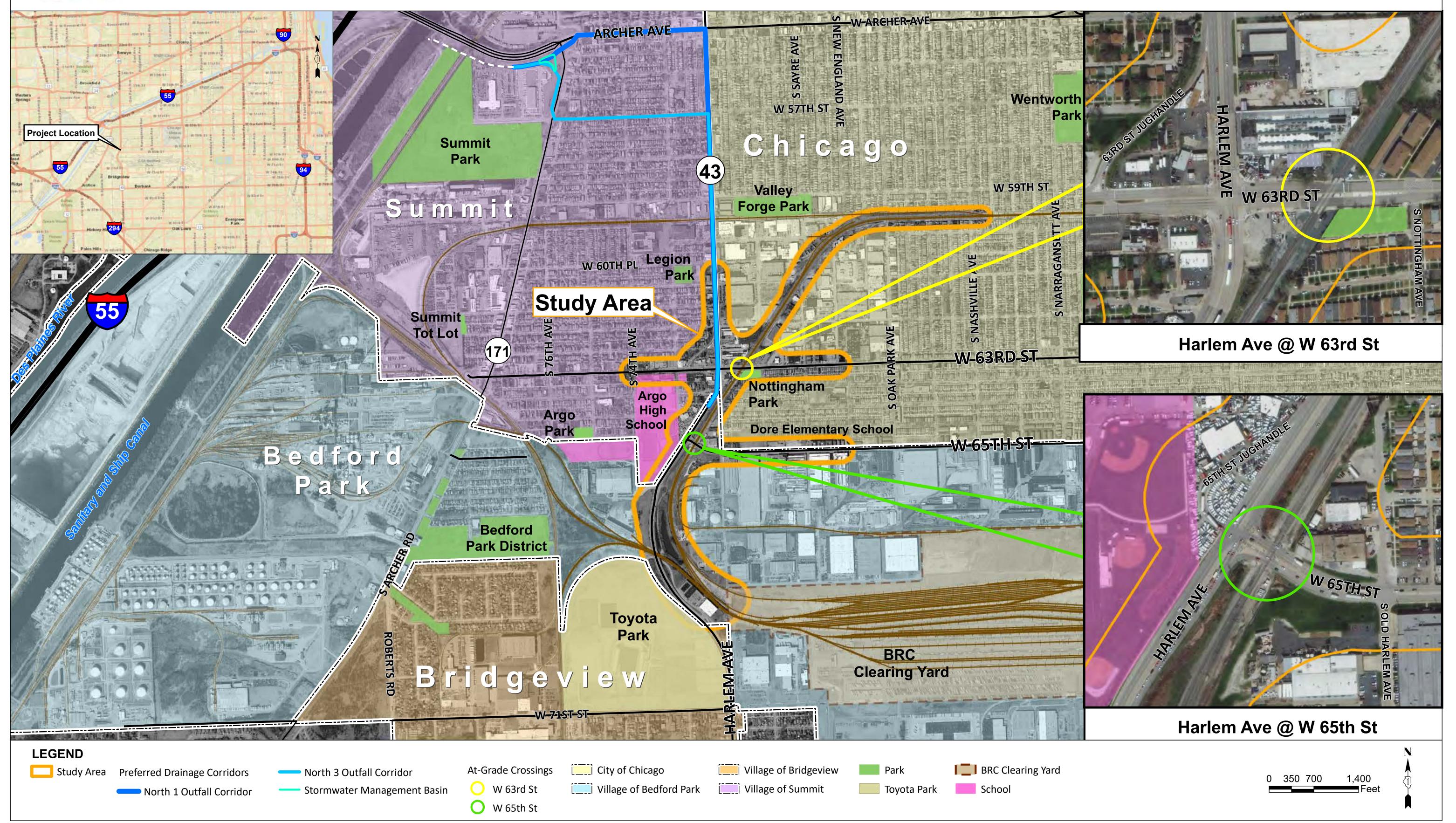
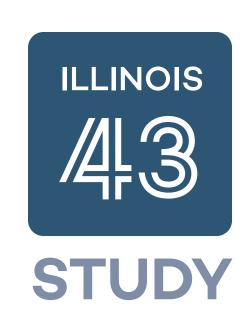


Project Location Map





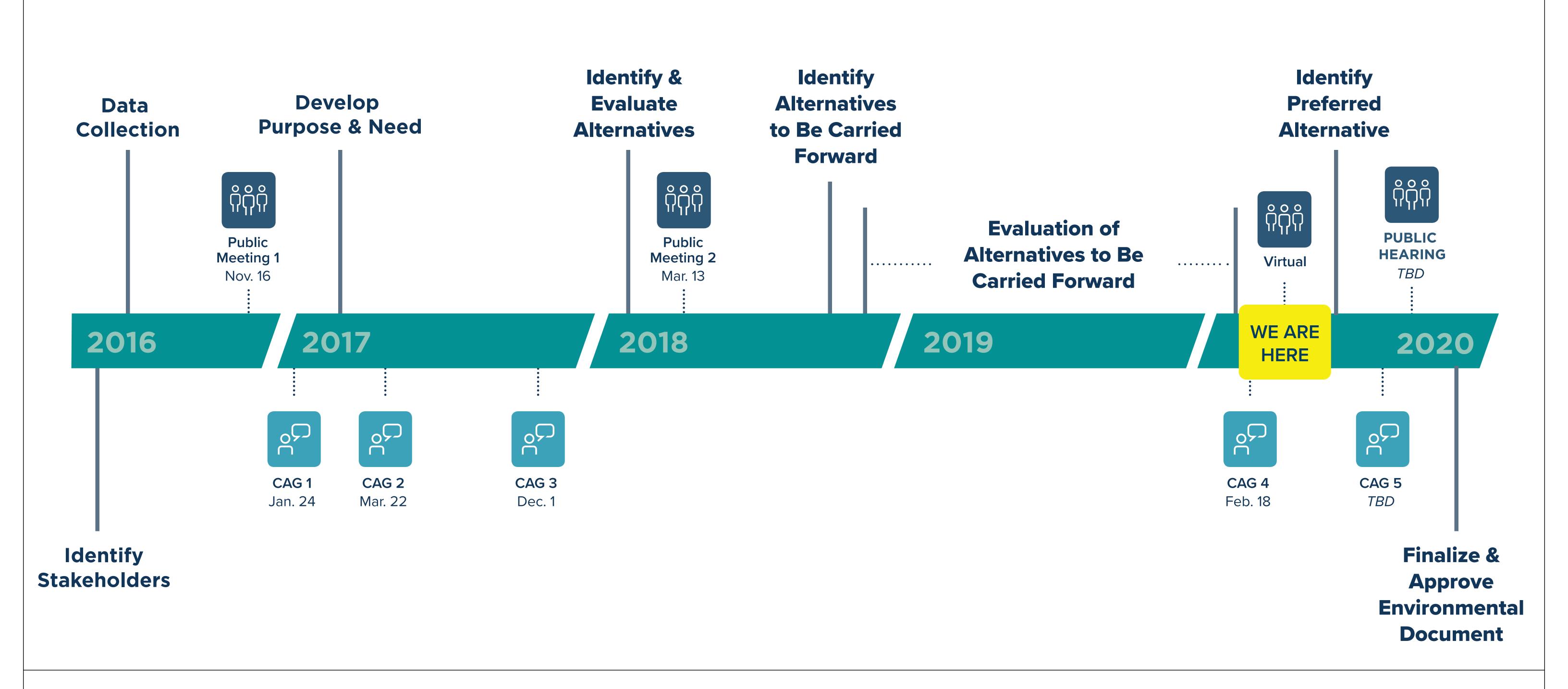




Phase I Process













Project Development Process





PLANNING STAGE

anticipated completion 2020

DESIGN STAGE

24-36 months

STAGE

CONSTRUCTION

24-36 months

Funding identified

Funding identified

Preliminary
Engineering &
Environmental
Studies

Contract Plan
Preparation &
Land Acquisition

Project Construction



Purpose and Need Statement



The purpose of the project is to enhance safety, increase mobility, and improve multimodal connectivity.

The study team evaluated the following existing conditions and other data to determine the need for improvement:

- Vehicular &Pedestrian Crashes
- Emergency Services
- Rail and HighwayConflict
- Traffic Analysis

- Intermodal Transportation
- Public Transportation
- Non-Motorized Modes

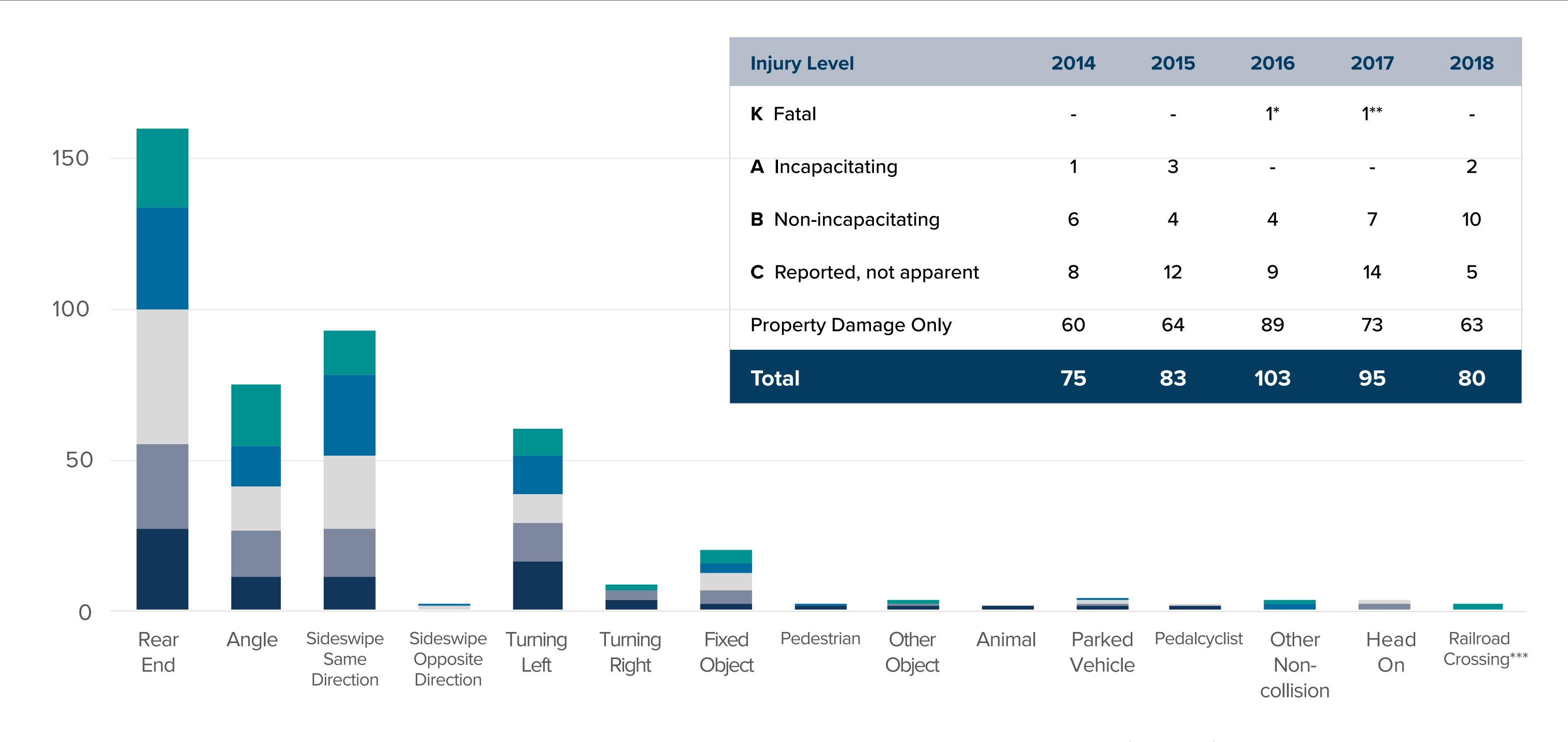


■ 2014 **■** 2015 **■** 2016 **■** 2017 **■** 2018

Crash Study Results 2014-2018









Multimodal Connectivity

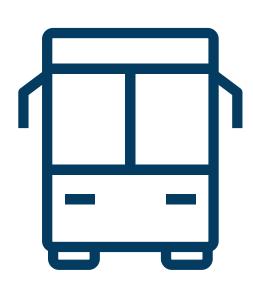






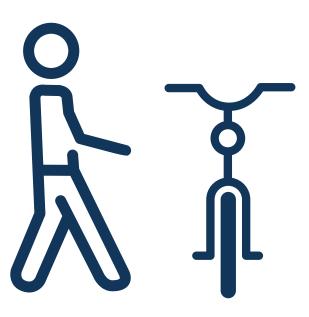
Intermodal Transportation

The IL 43 corridor and eastwest movements are critical to manufacturing and freight along I-55.



Public Transportation

CTA and PACE operate bus routes that are impacted when trains occupy the crossings.



Non-Motorized Modes

It is difficult to bike or walk along Harlem Ave. due to lack of bike separation and narrow sidewalks.*



5% Locations 2012, 2015, 2017

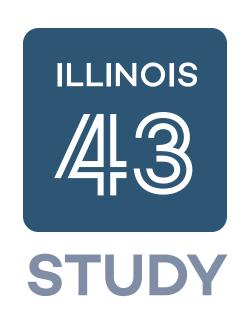




Locations along state highways that are identified as 5% locations are within the top 5% of locations statewide with the greatest potential for safety improvement, based on crash severity and frequency.

*2013, 2014 & 2016 5% reports were not generated





Screening Process



ALTERNATIVES CONSIDERED

Group 1 Minor Build

Group 2 Belt Railway Co. Railroad

Elevated / Depressed

Group 3 63rd St. Elevated (Overpass)

Group 4 63rd St. Depressed (Underpass)

Group 5 65th St. Elevated (Overpass)

Group 6 65th St. Depressed (Underpass)

Group 7 Combinations for 63rd St.

and 65th St. Elevated/Depressed

Determine

if alternatives meet the Purpose and Need

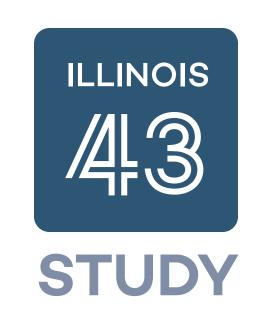
Group 1: Minor Build
Eliminated

Conduct stakeholder outreach and analyze Belt Railway Co. Railroad impacts

Group 2: Belt Railway Co. Railroad Elevated/Depressed Eliminated

Evaluate remaining alternatives against criteria

Groups 3-6 evaluated



Criteria Screening Matrix





Magnitude Legend

Large impact or magnitude

Moderate impact or magnitude

Small/no impact or magnitude

GROUP 3 63rd St. Elevated

GROUP 4 63rd St. Depressed

GROUP 5 65th St. Elevated

GROUP 6 65th St. Depressed

CRITERIA

All impacts are based on preliminary analysis. Alternative will be further studied to limit and mitigate impacts.

Preliminary Residential Displacements Parcels

Includes parcels where building is impacted by improvement or access is impacted by retaining wall.

Preliminary Business Displacements Parcels

Includes parcels where building is impacted by improvement or access is impacted by retaining wall.

Impact to Nottingham Park

Section 4(f) Resources

Impacts on Community Cohesion

Adverse impact to community cohesion such as fragmenting neighborhoods with a physical disruption.

Multimodal Ease

Does not support multimodal transportation.

Community Support

Feedback from prior community meetings.

Level of Service

Transportation level of service for each alternative.

Construction Challenges

Considers depressed/elevated alternatives, non-standard bridge configuration, and Harlem Avenue realignment.

Construction Duration

Estimated construction duration.

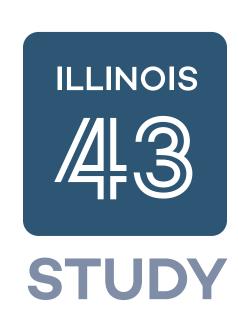
Long-Term Maintenance

Estimated yearly maintenance cost.

Preliminary Project Cost

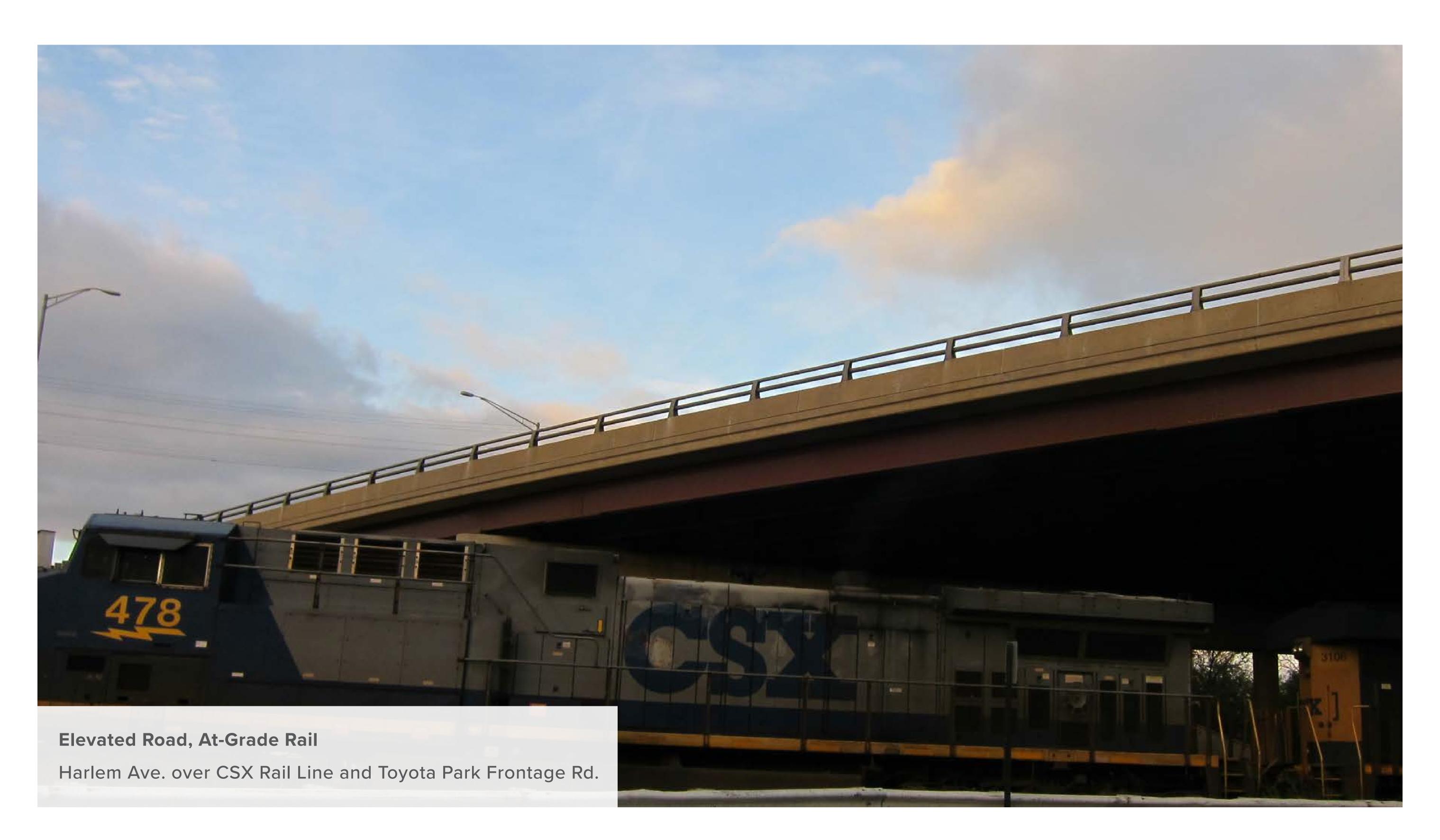
Estimated construction cost.

												Воргососа	
tives		6 Elevated with Jughandle	7 Elevated with Ramp	8 Elevated with Harlem Realign	9 Elevated Intersection	10 Depressed with Jughandle	11 Depressed with Ramp	12 Depressed Intersection	13 Elevated with Ramp	14 Elevated Intersection	31 Elevated Roundabout	15 Depressed with Ramp	16 Depressed Intersection
	Preliminary Residential Displacements (Properties/Units)	24 / 83	26 / 85	28 / 87	26 / 85	15 / 73	16 / 87	14 / 72	6 / 6	6 / 6	9 / 9	2/2	2/2
	Preliminary Business Displacements (Properties/Units)	13 / 16	25 / 28	25 / 28	25 / 28	12 / 15	25 / 28	25 / 28	14 / 17	14 / 17	15 / 18	11 / 11	11 / 11
	Impacts to Nottingham Park Section 4 (f) Resource)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	None	None	None	None	None
	Impacts to Community Cohesion	Disruptive	Disruptive	Disruptive	Disruptive	Disruptive	Disruptive	Disruptive	No Disruption	No Disruption	No Disruption	No Disruption	No Disruption
	Multimodal Ease Transit, Bike/Pedestrian	Limited	Limited	Supported	Supported	Limited	Limited	Supported	Limited	Supported	Limited	Limited	Supported
	Community Support	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Supported	Supported	Supported	Supported	Supported
rd	Level of Service	Acceptable	Good	Poor	Poor	Acceptable	Good	Poor	Good	Acceptable	Good	Good	Acceptable
	Construction Challenges	Minimal	Moderate	Moderate	Minimal	Moderate	Large	Moderate	Moderate	Minimal	Large	Large	Moderate
	Construction Duration in years	2.2	2.6	2.3	2.2	2.8	2.9	2.3	1.9	2.2	2.1	2.7	2.3
	Long-Term Maintenance	\$3M	\$4M	\$3M	\$3M	\$5M	\$5M	\$4M	\$4M	\$3M	\$4M	\$5M	\$4M
	Preliminary Project Costs	\$65M	\$99M	\$83M	\$83M	\$96M	\$120M	\$108M	\$98M	\$81M	\$105M	\$116M	\$101M



Grade Separation Examples





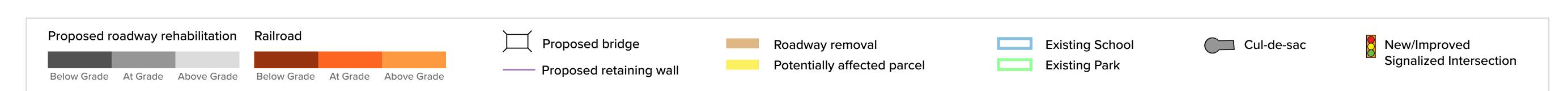


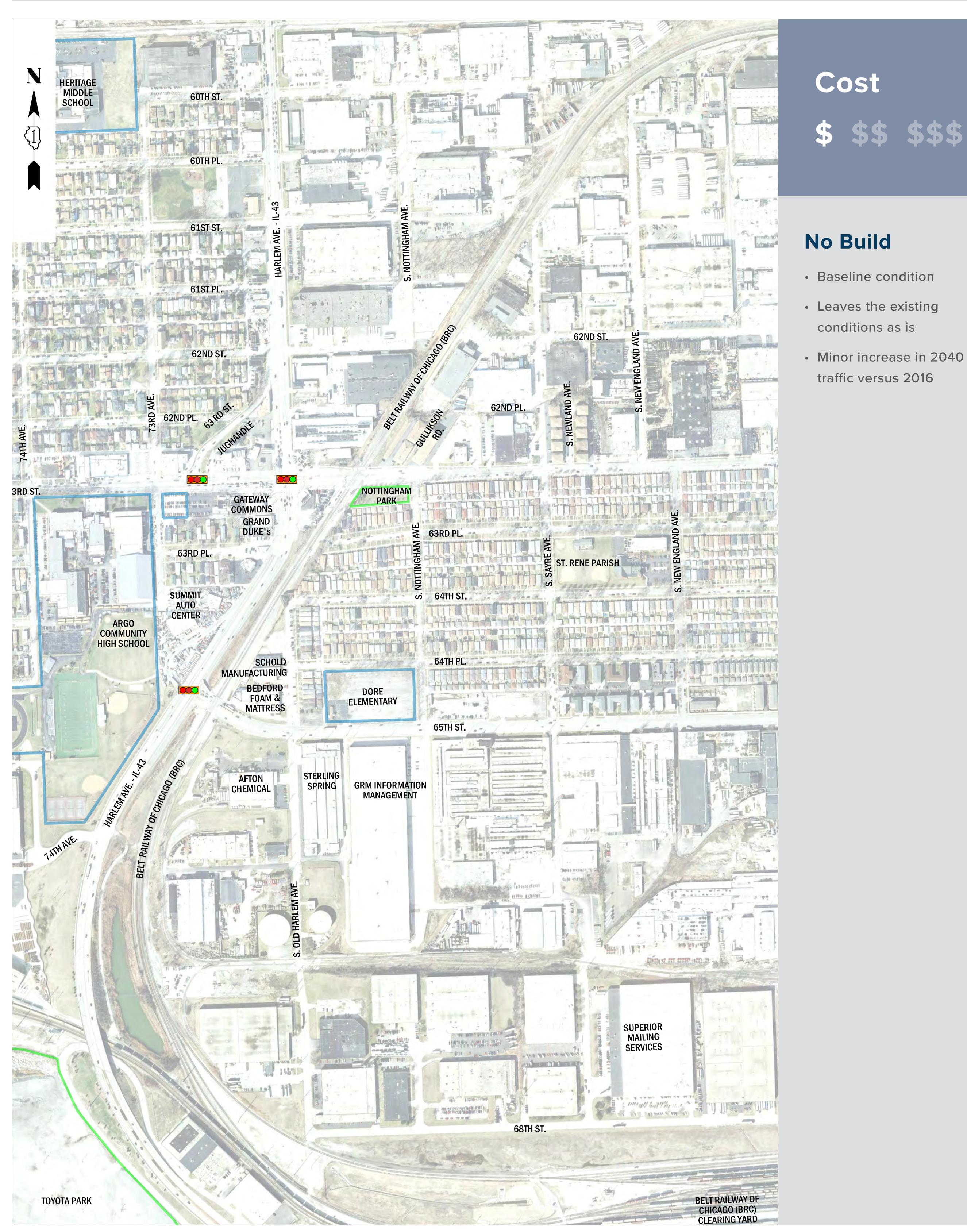


Baseline: No Build









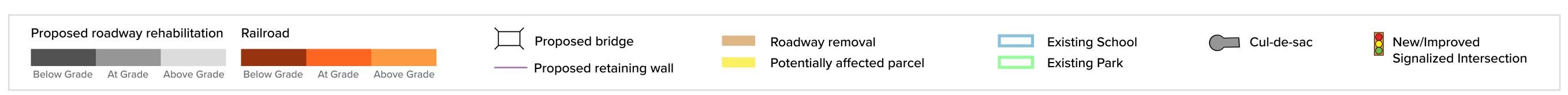


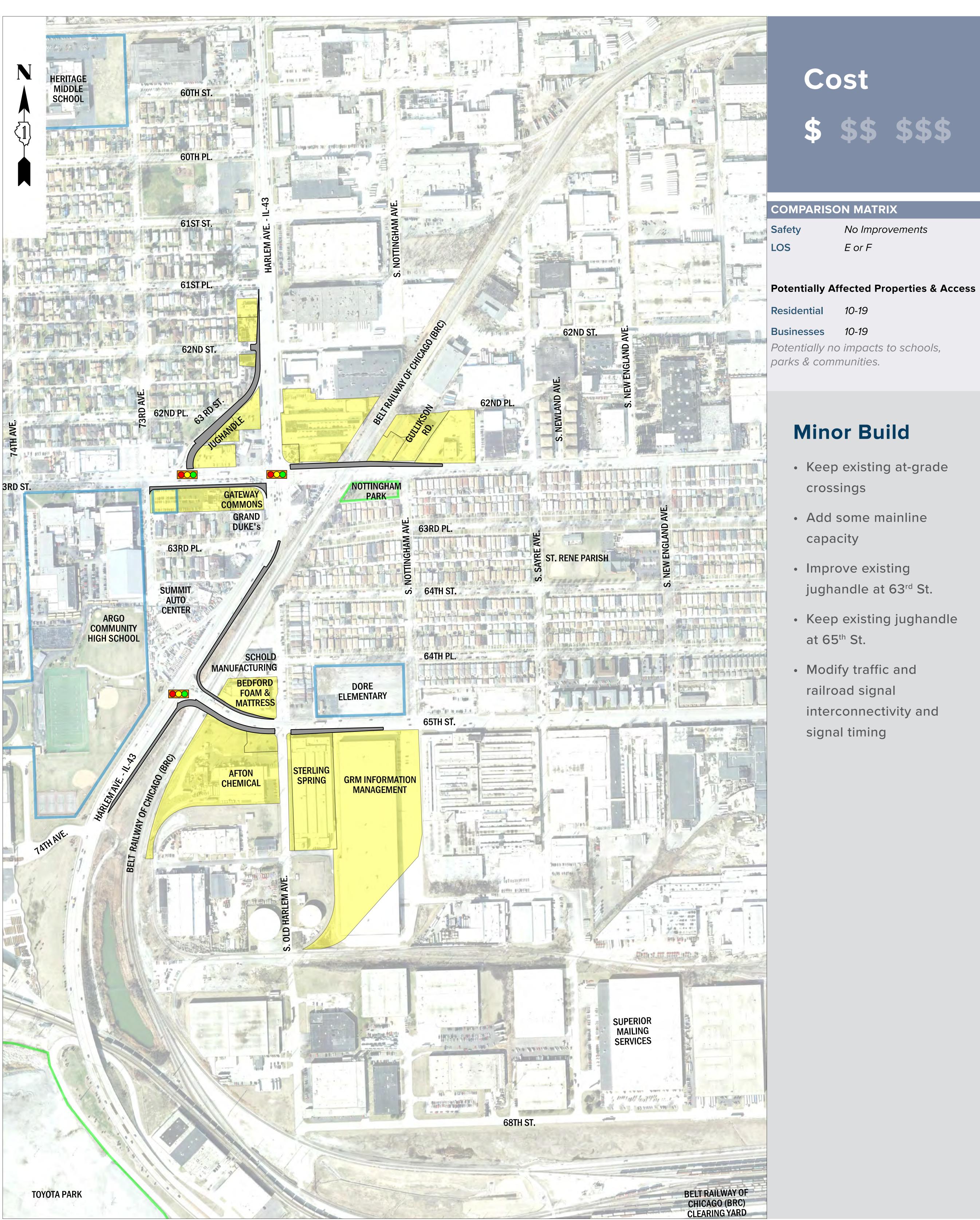
Group 1: Minor Build

Eliminated Alternative











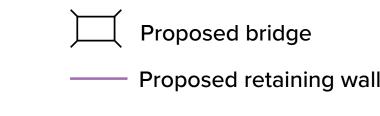
Group 2: Belt Railway Co. Railroad Elevated/Depressed





Eliminated Alternative

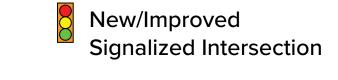












COMPARISON MATRIX Safety Most Improvements

LOS D

nprovements

Residential 0-9
Businesses 10-19

Potentially Affected Properties & Access

Potential impacts to Nottingham Park and Argo High School. Cost \$ \$\$ \$\$\$

All Elevated

- New 2-track BRC railroad bridge over 63rd St. and 65th St.
- Retaining walls along BRC tracks
- Remove jughandles at 63rd and 65th St.
- Eliminate roadway conflicts with railroad

Elevated Hybrid

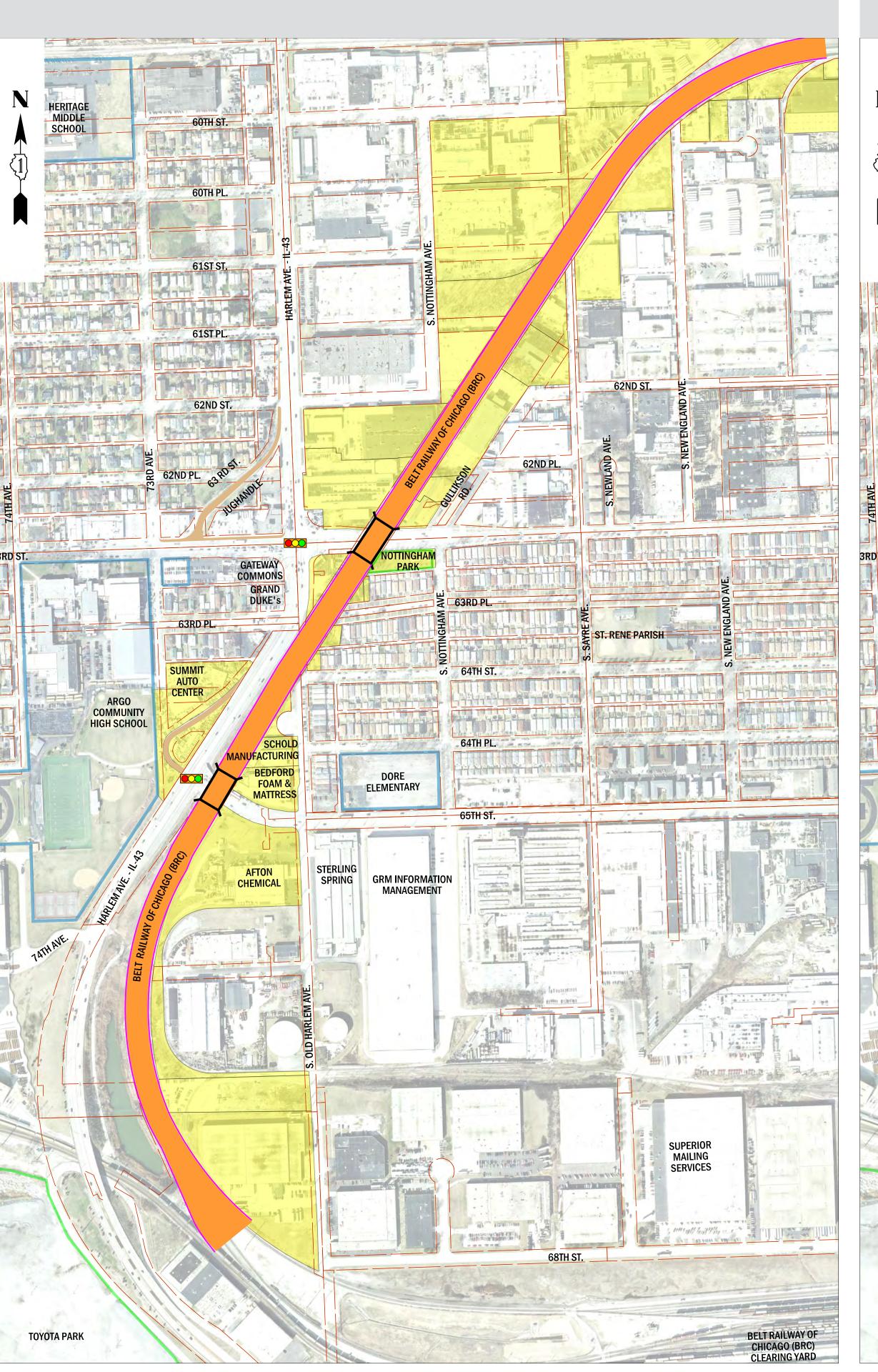
- Partially elevated BRC railroad over partially depressed 63rd St. and 65th St.
 - Depending on roadway depth, expect impacts to Harlem Ave.,
 63rd St. and 65th St.
- Retaining walls along BRC tracks
- Remove jughandles at 63rd and 65th St.
- Eliminate roadway conflicts with railroad

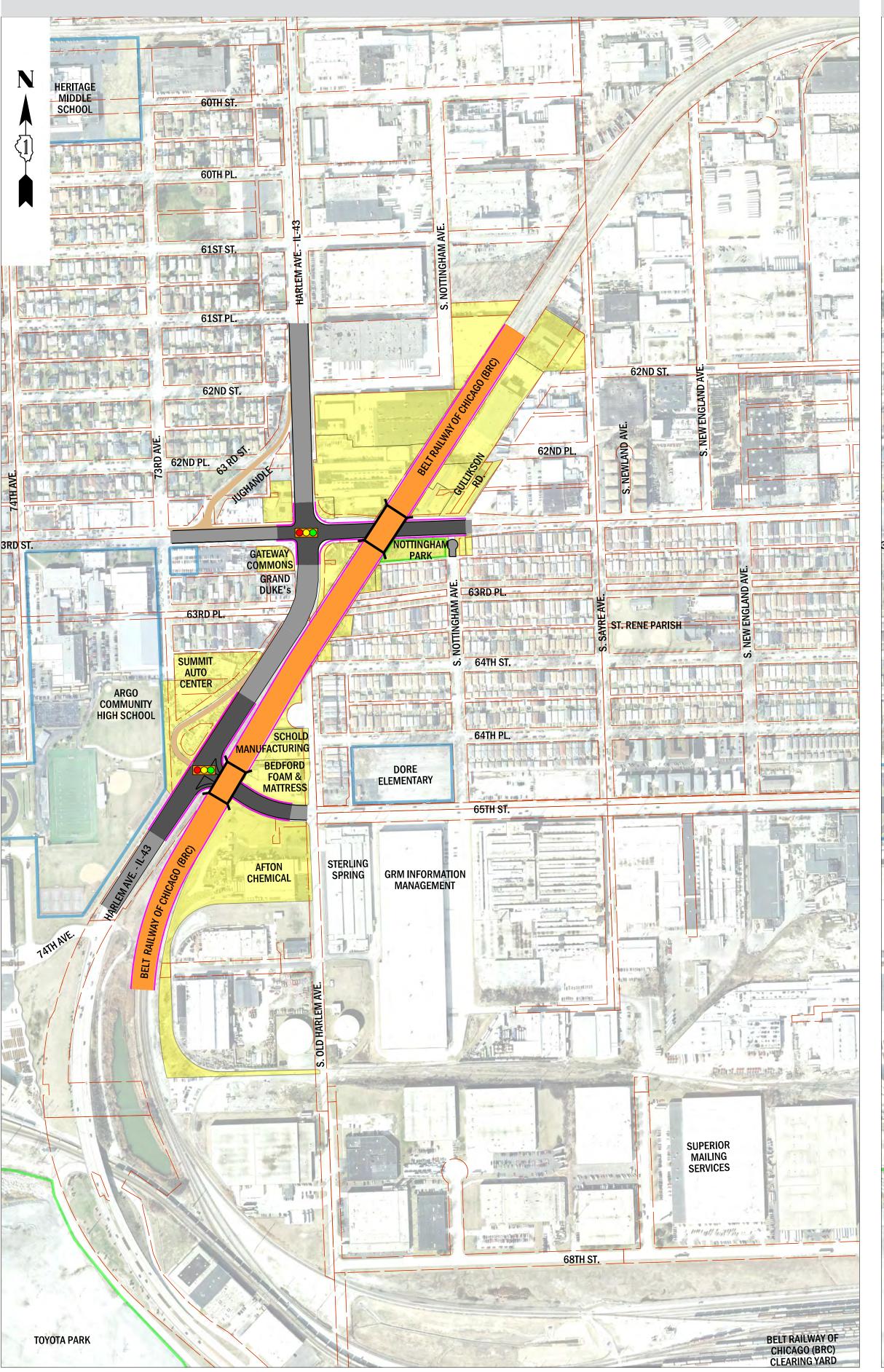
All Depressed

- Railroad in fully depressed trench with retaining walls
- New roadway bridges over BRC
- Retaining walls along BRC tracks
- Remove jughandles at 63rd and 65th St.
- Eliminate roadway conflicts with railroad

Depressed Hybrid

- Railroad in partially depressed trench with retaining walls
- Partially elevated 63rd St. and 65th
 St. over BRC tracks
- Retaining walls along BRC tracks
- Remove jughandles at 63rd and 65th St.
- Eliminate roadway conflicts with railroad









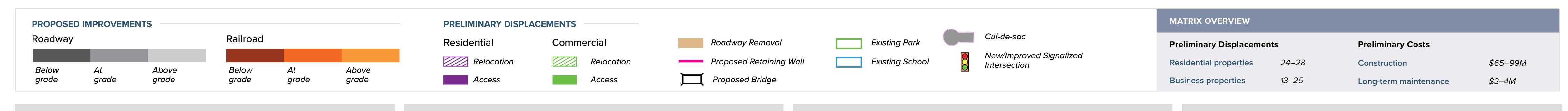


Group 3: 63rd St Elevated (Overpass)

Illinois Department of Transportation



Eliminated Alternative



ALTERNATIVE 6

Elevated with Jughandle

- Elevated 63rd St. over BRC and Harlem Ave.
- Harlem Ave. / 63rd St. intersection grade separated
- Reconfigured jughandle to accommodate Harlem Ave./63rd St.
- New signalized intersection on Harlem Ave. at 63rd St jughandle

ALTERNATIVE 7

Elevated with Ramp

- Elevated 63rd St. over BRC and Harlem Ave.
- Harlem Ave. / 63rd St. intersection grade separated
- New 63rd St. roadway bridge over atgrade Harlem Ave.
- Elevated signalized intersection with access ramps
- Remove jughandle at Harlem Ave./63rd St. and Harlem Ave./65th St.

ALTERNATIVE 8

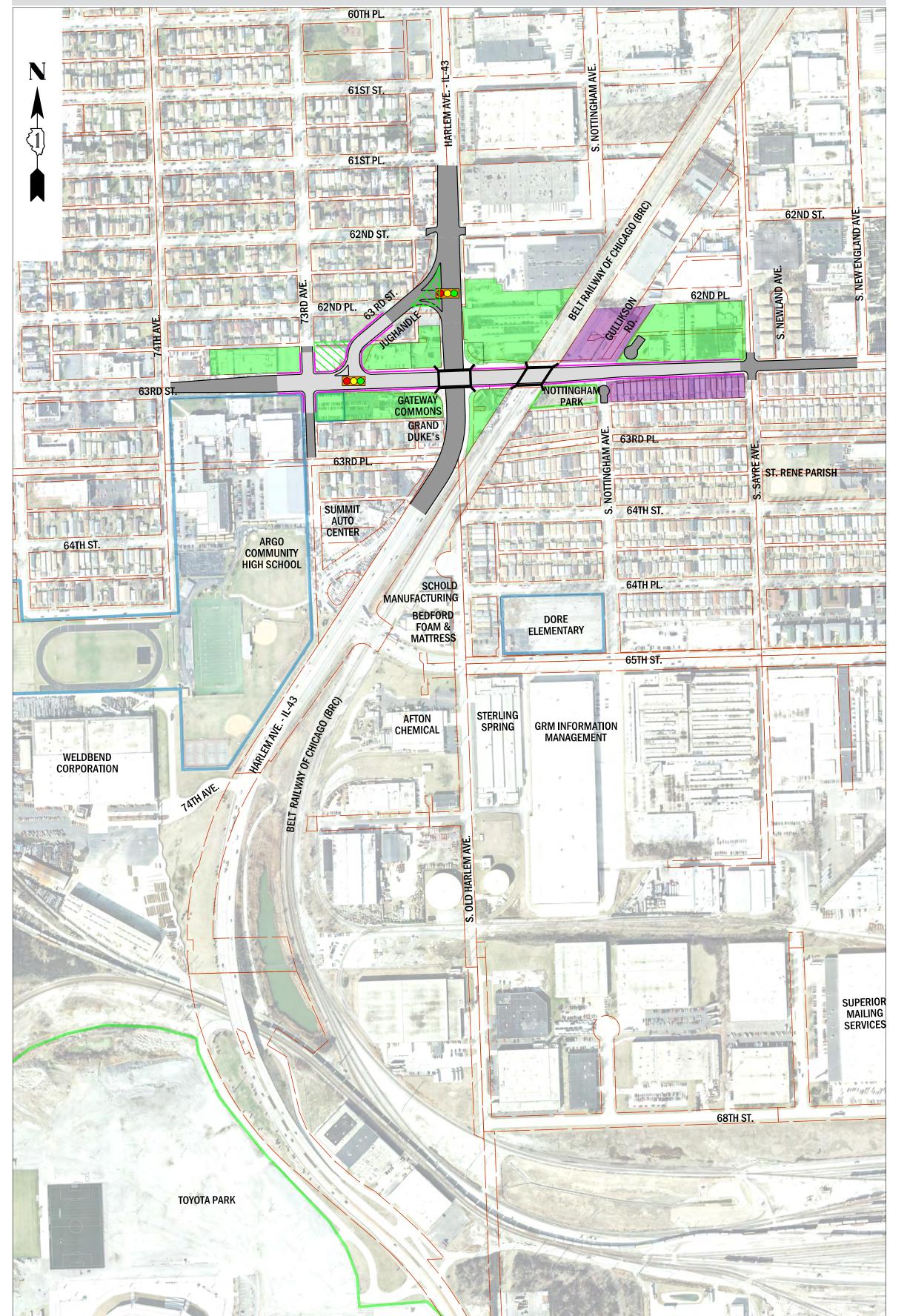
Elevated/Harlem Realign

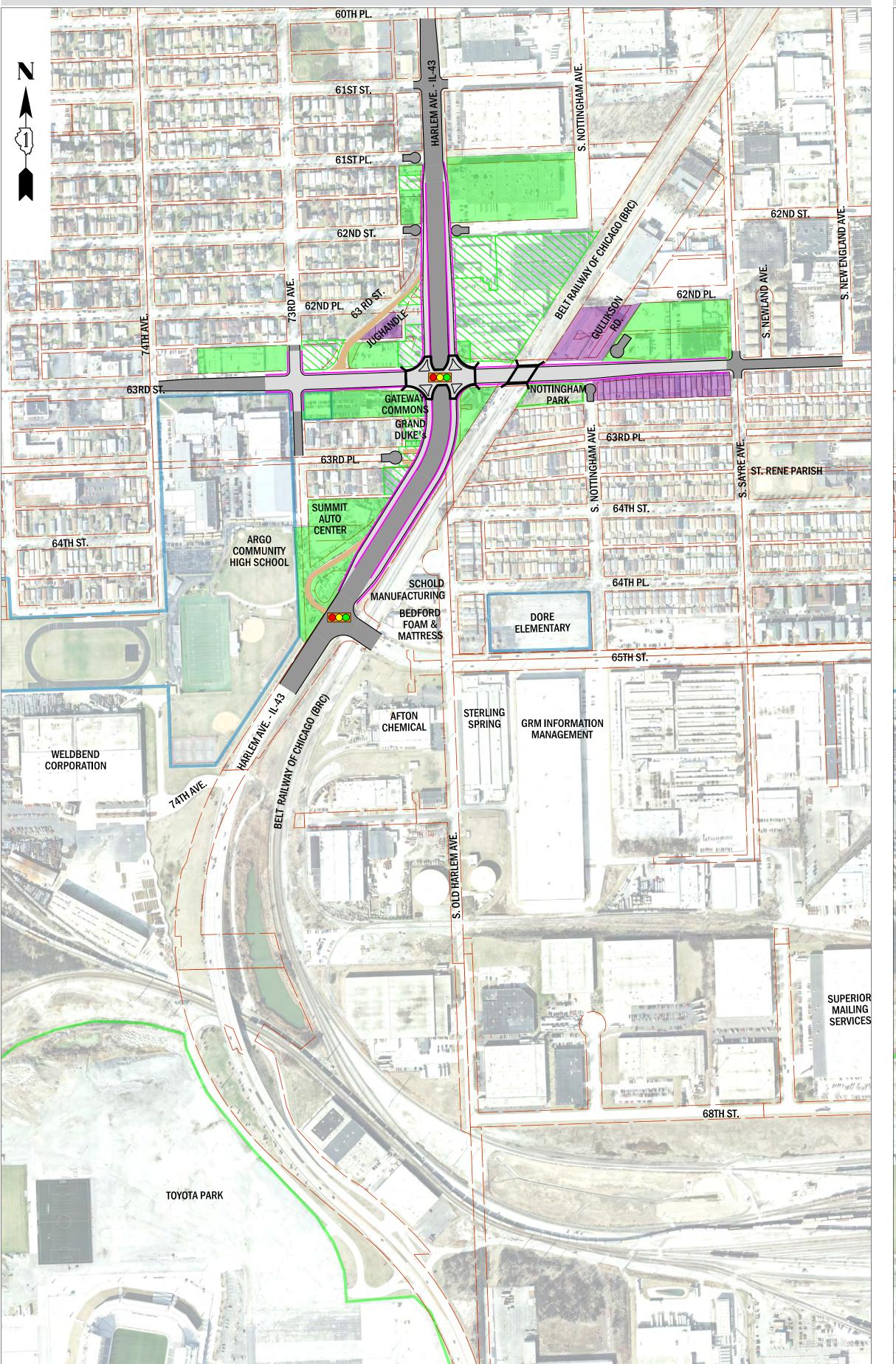
- Elevated 63rd St. over BRC
- Realign Harlem Ave. west of existing alignment
- Remove jughandle at Harlem Ave./63rd St. and Harlem Ave./65th St.

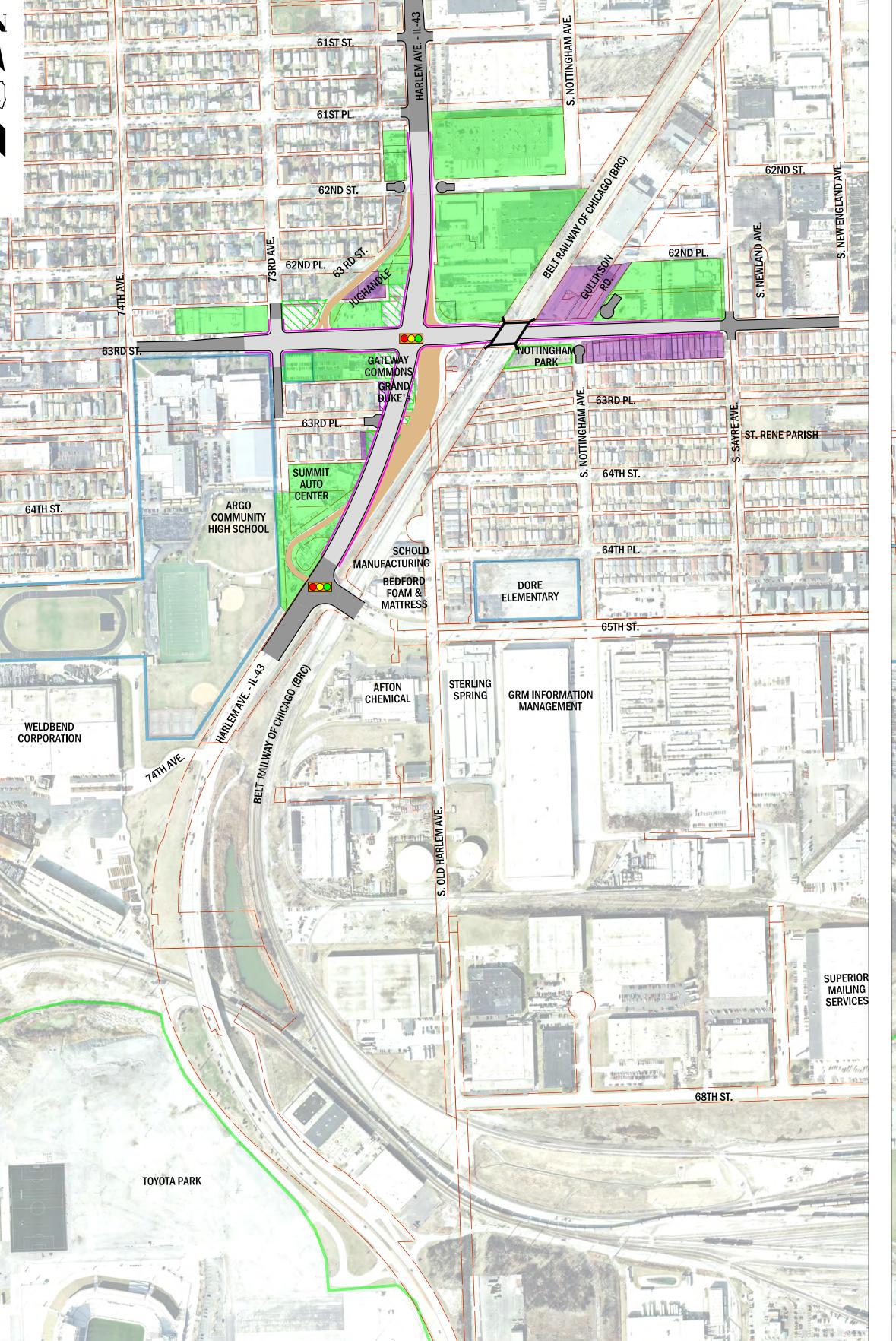
ALTERNATIVE 9

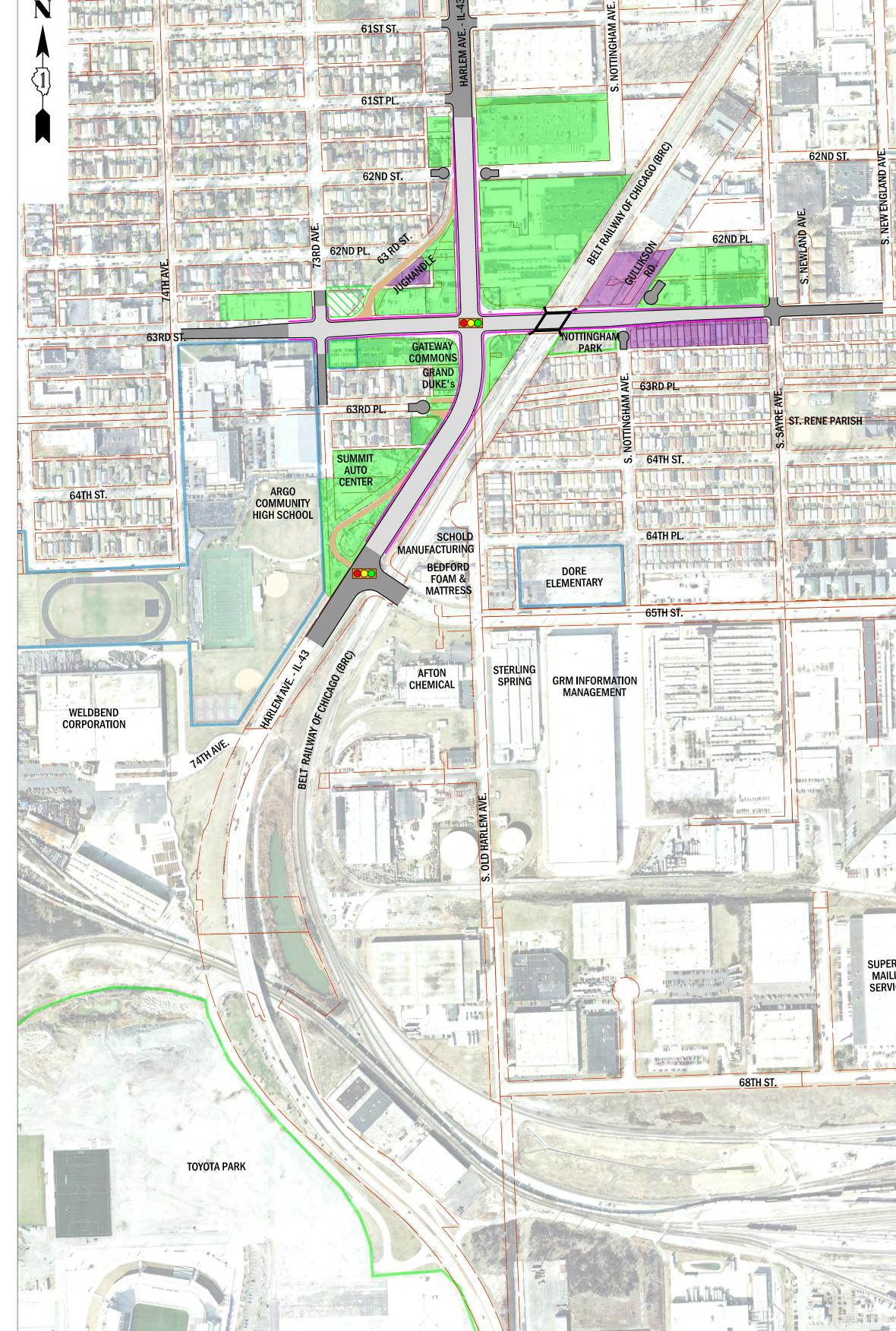
Elevated Intersection

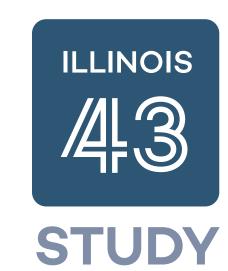
- Elevated 63rd St. over BRC
- Raised Harlem Ave. / 63rd St. signalized intersection
- Remove jughandle at Harlem Ave./63rd St. and Harlem Ave./65th St.







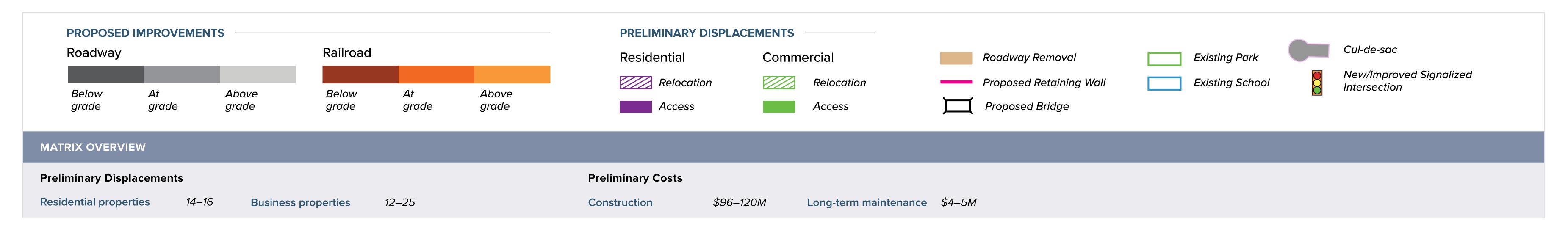




Group 4: 63rd St Depressed (Underpass)

Illinois Department of Transportation

CREATE



ALTERNATIVE 10

Depressed with Jughandle

Eliminated Alternative

- Depressed 63rd St. under at-grade BRC and Harlem Ave.
- Harlem Ave. / 63rd St intersection grade separated
- Reconfigure jughandle to accommodate Harlem Ave./63rd St. intersection
- New signalized intersection on Harlem Ave. at 63rd St. jughandle

ALTERNATIVE 11

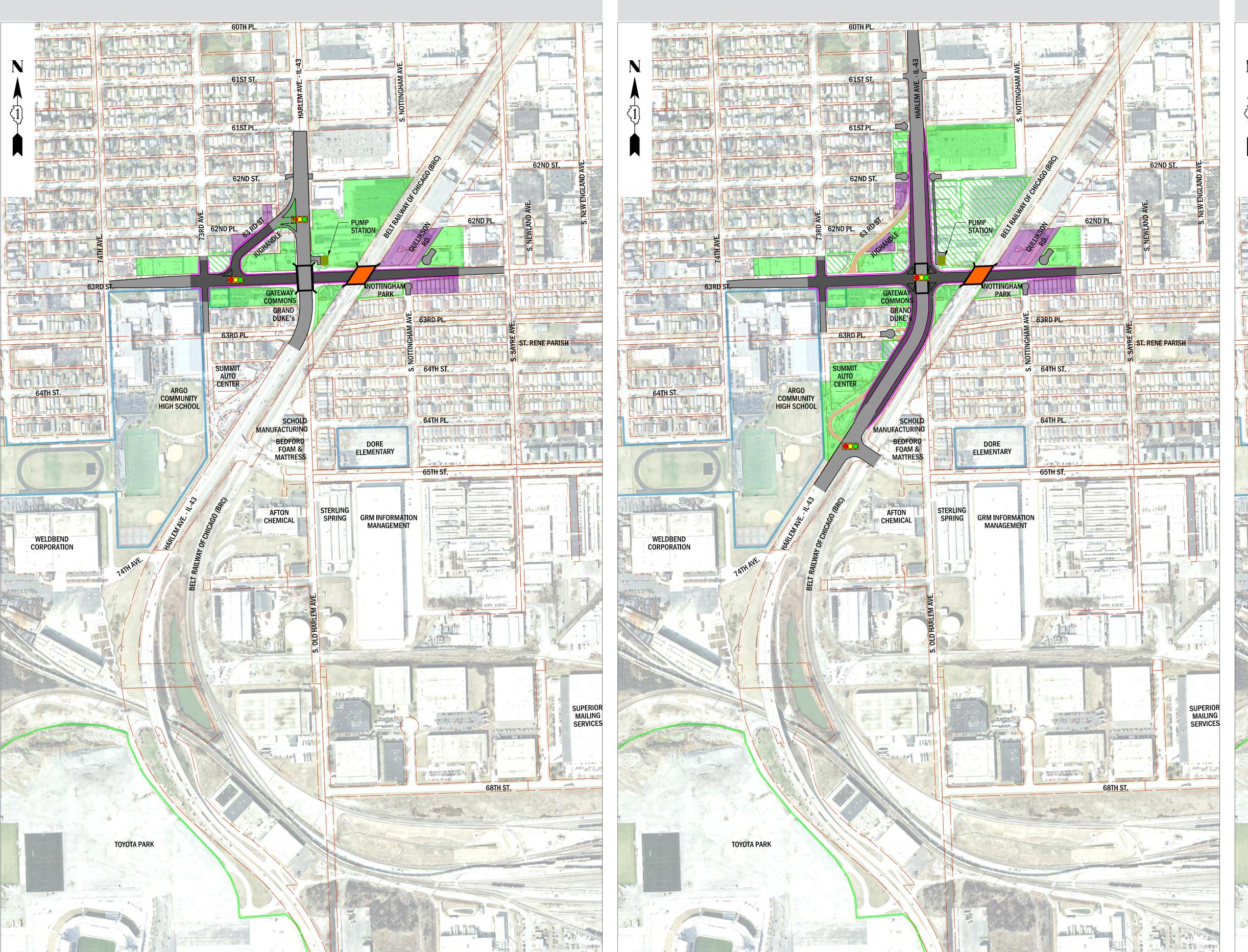
Depressed with Ramp

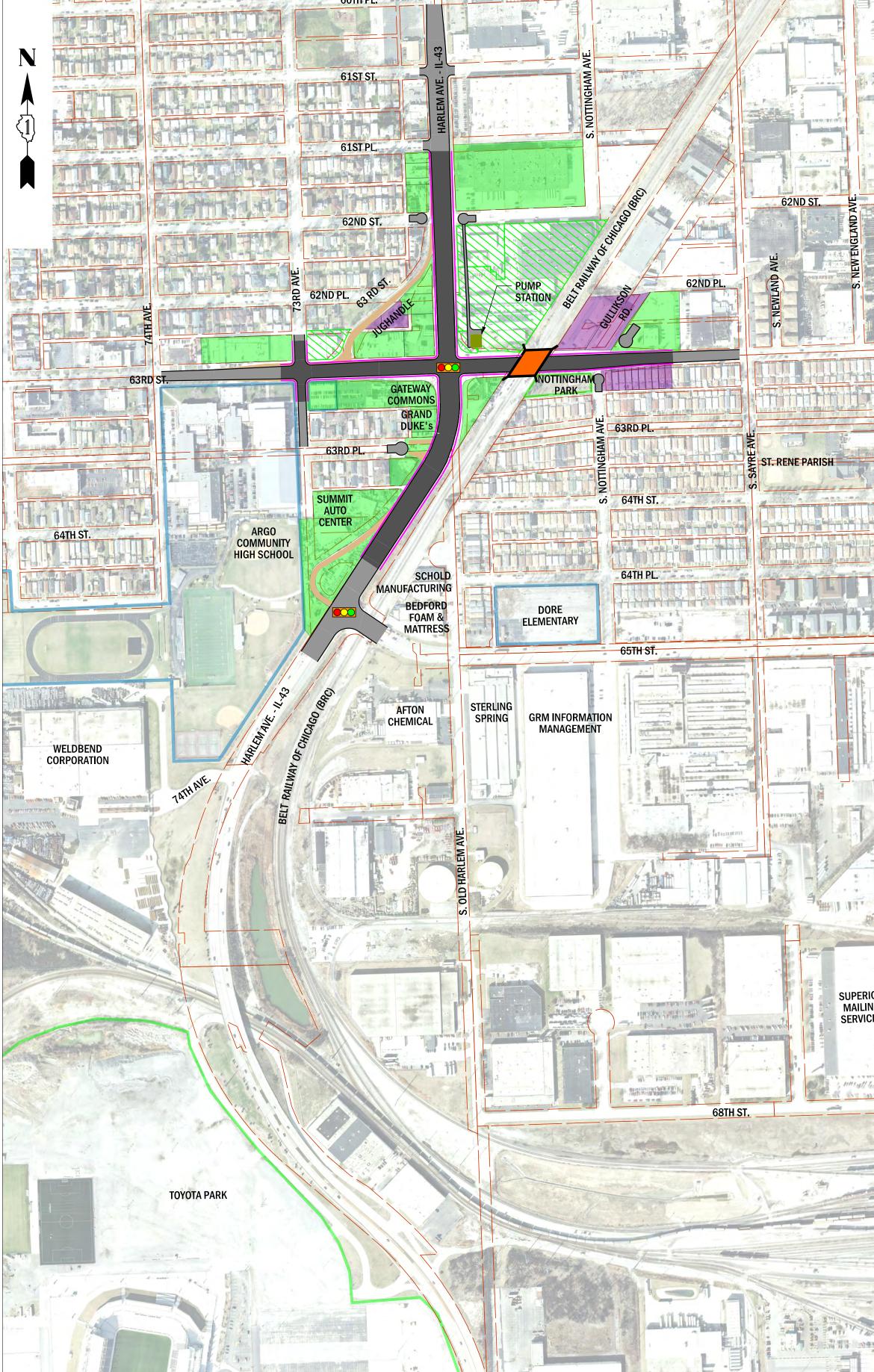
- Depressed 63rd St. under at-grade BRC and Harlem Ave.
- Harlem Ave. / 63rd St intersection grade separated
- Depressed signalized intersection, on 63rd St., with access ramps along Harlem Ave.
- Remove jughandle at Harlem Ave./63rd St. and Harlem Ave./65th St.

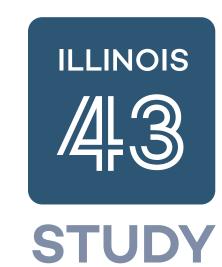
ALTERNATIVE 12

Depressed Intersection

- Depressed 63rd St. under at-grade BRC;
 Remove jughandle Harlem Ave. is depressed to intersect 63rd St. at same grade
- Harlem Ave./63rd St. intersection lowered with retaining walls
- at Harlem Ave./63rd St. and Harlem Ave./65th St.



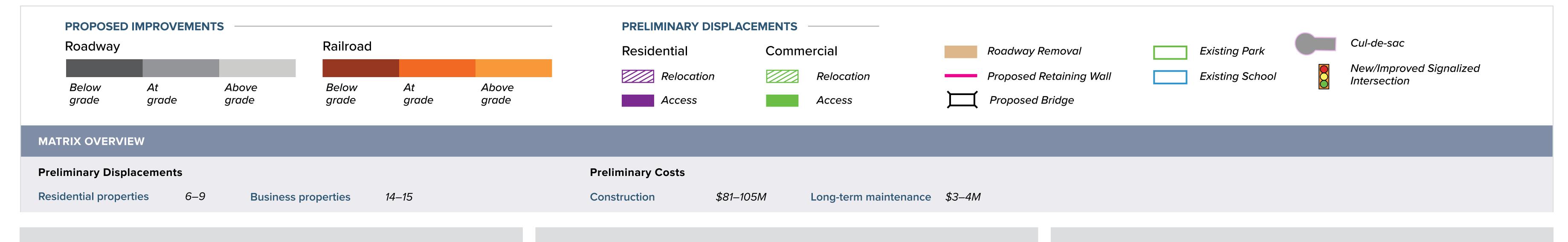




Group 5: 65th St Elevated (Overpass)







ALTERNATIVE 13

Elevated with Ramp

- Elevated 65th St. over BRC and Harlem Ave.
- Elevated signalized intersection, on 65th St., with access ramps to/ from at-grade Harlem Ave.
- Remove jughandle at Harlem Ave./65th St.
- Raised Harlem Ave./63rd St. signalized intersection

ALTERNATIVE 14

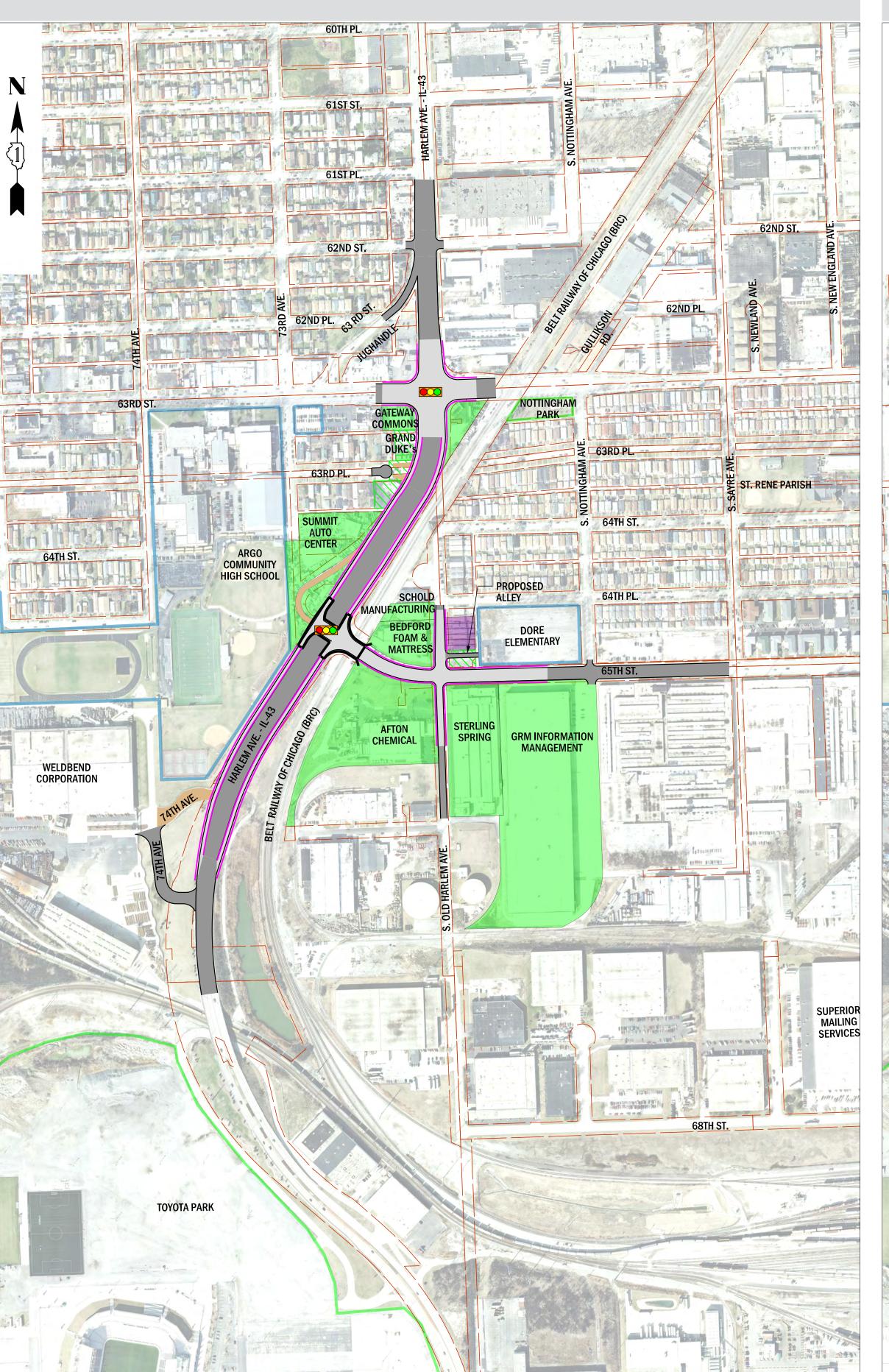
Elevated Intersection

- Elevated 65th St. over BRC; Harlem
 Ave. elevated to intersect 65th St. at same grade
- New raised signalized intersection at Harlem Ave./ 65th St. with retaining walls
- Remove jughandle at Harlem Ave./65th St.

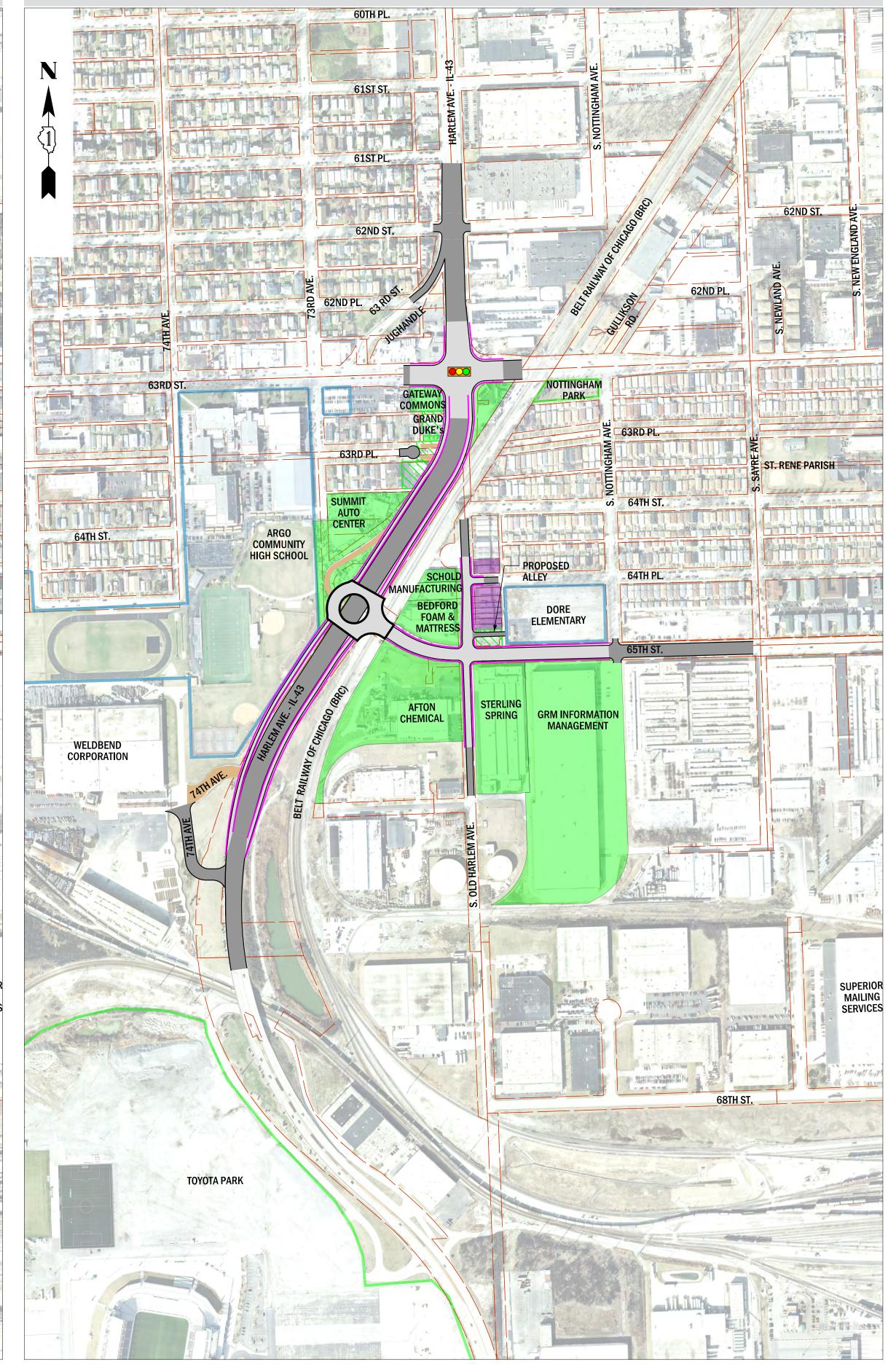
ALTERNATIVE 31

Elevated Roundabout

- Elevated 65th St. over BRC and Harlem Ave.
- Elevated Roundabout on 65th St., with access ramps to/from at-grade Harlem Ave.
- Remove jughandle at Harlem Ave./65th St.
- Raised Harlem Ave./63rd St. signalized intersection





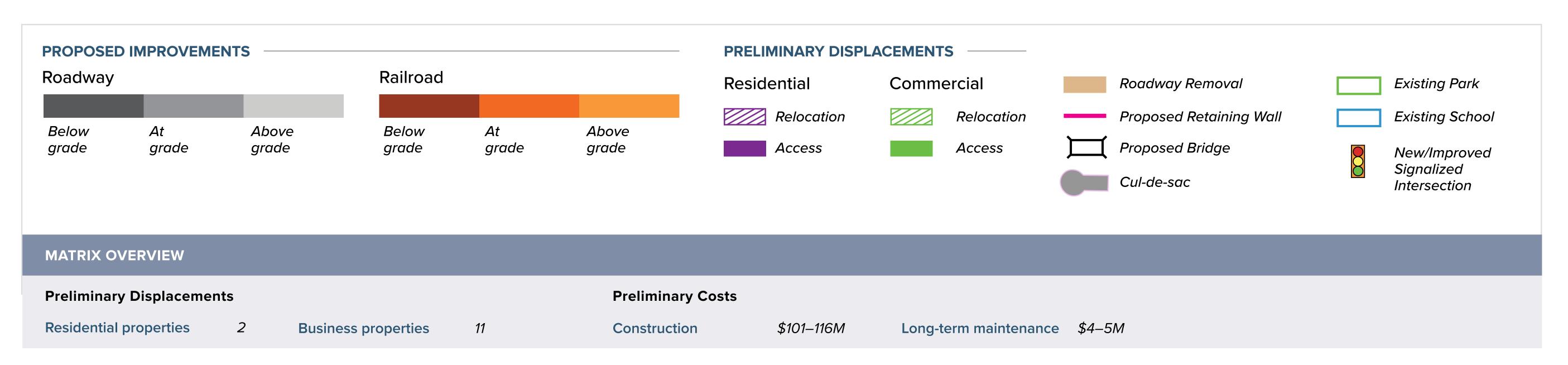




Group 6: 65th St Depressed (Underpass)







ALTERNATIVE 15

Depressed with Ramp

- Depressed 65th St. under BRC and Harlem Ave.
- New 2-track railroad bridge for grade separation
- New Harlem Ave. roadway bridge
- Depressed signalized intersection with ramps to/from Harlem Ave.
- Remove jughandle at Harlem Ave./65th St.

ALTERNATIVE 16

Depressed Intersection

- Depressed 65th St. under BRC
- New 2-track railroad bridge for grade separation
- New lowered signalized intersection at Harlem Ave./65th St with retaining walls
- Remove jughandle at Harlem Ave./65th St.

