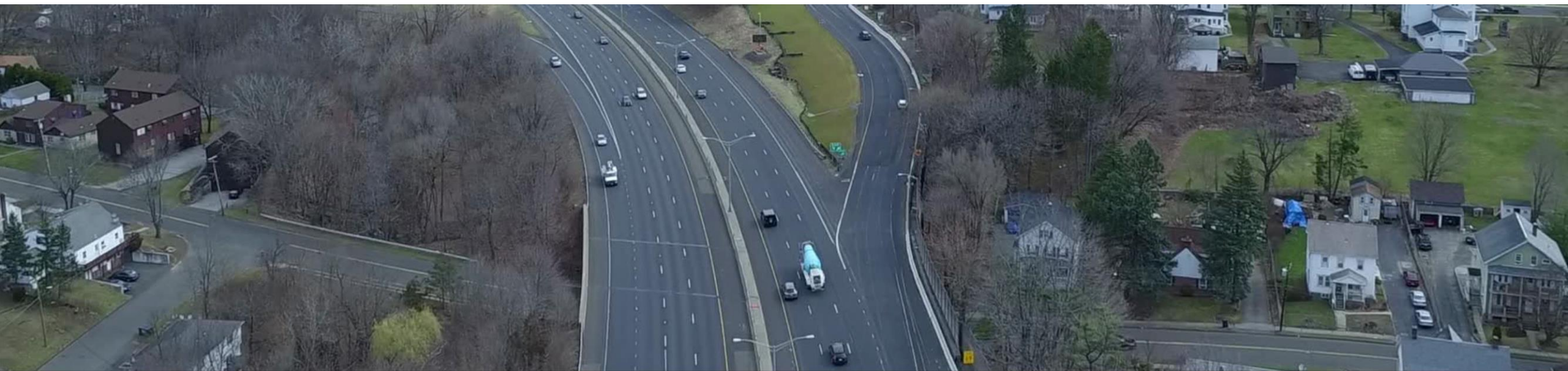


I-84 Danbury Project

Project Advisory Committee (PAC) Meeting No. 4

November 20, 2019





Agenda


- Comment Card Feedback
- Recap of Project Need
- Project Purpose
- Toolbox for Concept Development Process
 - ✓ Mainline Toolbox
 - ✓ Interchange Toolbox
 - ✓ Streets Toolbox
 - ✓ Non-Highway Toolbox
- Next Steps



Comment Card Feedback



Comment Card Feedback

 I-84 Danbury Project

From my perspective, the most pressing needs and deficiencies within the I-84 corridor in Greater Danbury are (list up to 3):

Congestion - Both Morning and afternoon Congestion

Safety


Road Condition - Pavement

In my opinion, the I-84 Danbury project would be successful if it achieved the following:

Reduce Travel Time and Congestion

Improve Safety and decrease fatality

Improve Pavement Condition

 I-84 Danbury Project

From my perspective, the most pressing needs and deficiencies within the I-84 corridor in Greater Danbury are (list up to 3):

1) traffic reduction

2) improved connections to Downtown Danbury/urban & retail centers

3) improved connection & coordination w/ other multi-modal forms of transportation

In my opinion, the I-84 Danbury project would be successful if it achieved the following:

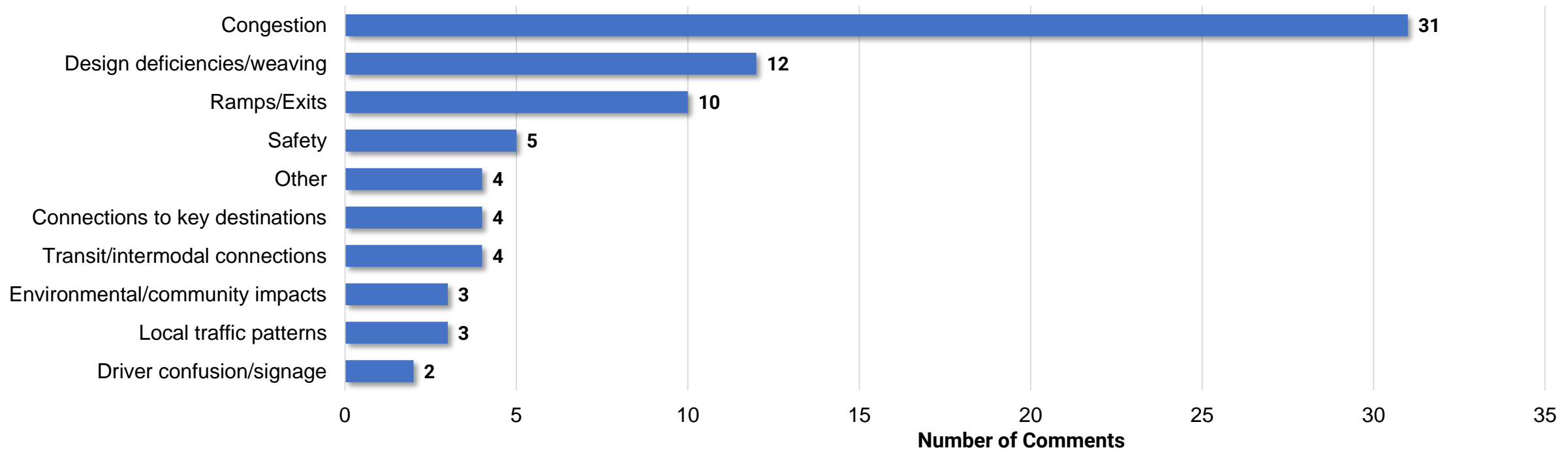
1) improved overall flow of traffic within and through Danbury.

2) improved connection to urban & retail centers ^{↳ (preferably w/o using highway)}

3) increased use ~~ease~~ ease of use of mass transportation & biking/walking.

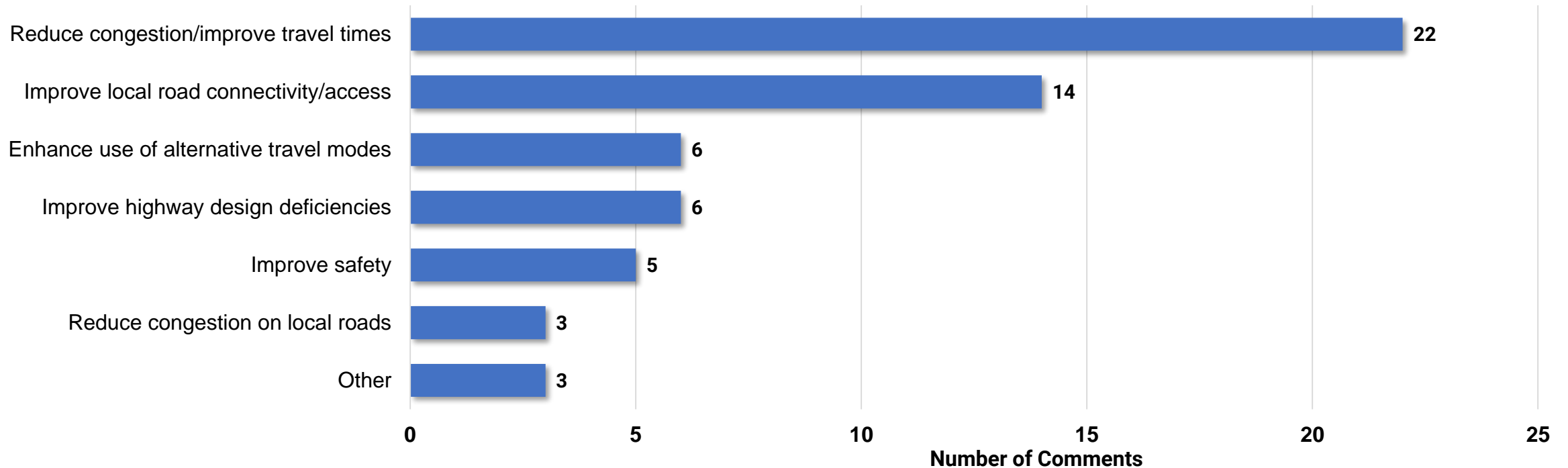
Comment Card Feedback

Q1: From my perspective, the most pressing needs and deficiencies within the I-84 corridor in Greater Danbury are (number of comments by category):



Comment Card Feedback

Q2: In my opinion, the I-84 Danbury Project would be successful if it achieved the following (number of comments by category):





Recap of Project Need

Recall that project need . . .

- **Establishes the problem(s)**
- **Justified by data and analysis**

In the case of I-84 Danbury, project need has been **quantified through the Needs & Deficiencies Study**, which is consistent with stakeholder input received to date.



Recap of Project Need:



Congestion

Causes of Congestion:

- Heavy traffic volumes
- Highway design deficiencies
- Weaving
- Crashes



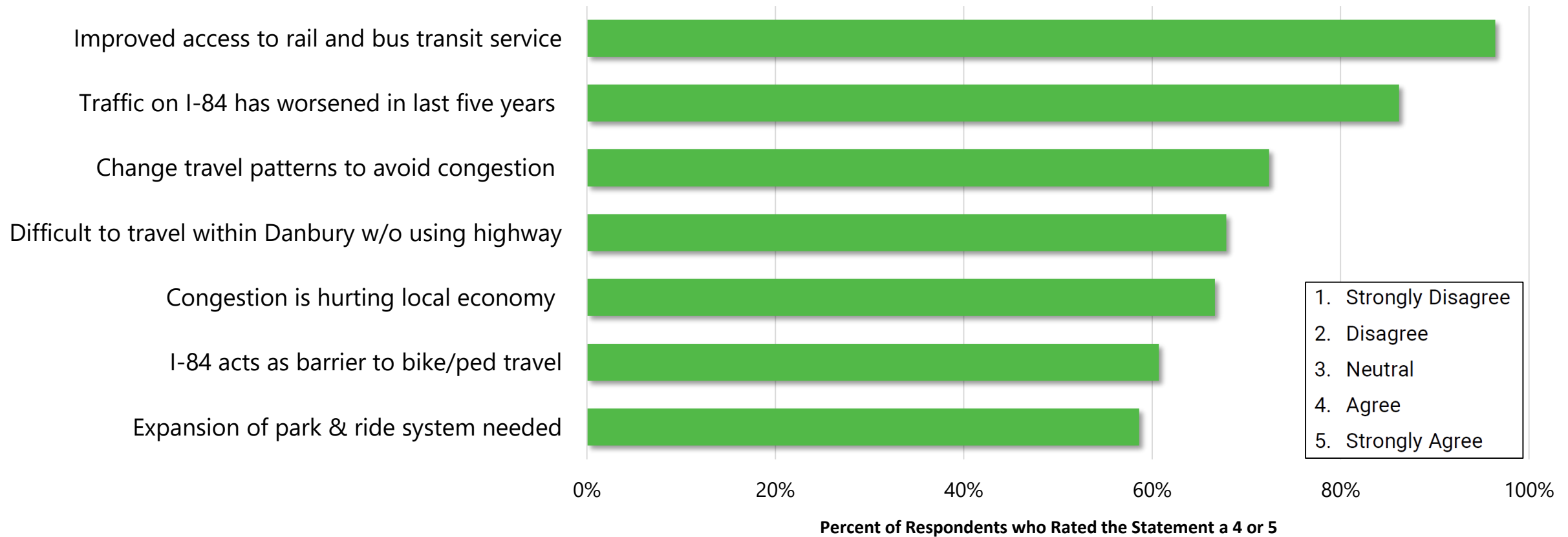
Poor Mobility

Causes of Poor Mobility:

- Local traffic patterns
- Poor connections between the highway and key destinations
- Increased travel demand
- Low use of transit, biking, and walking

Recap: Project Need Check-in

Project Need Check in: Percent of Respondents who Rated the Statement a 4 or 5





Project Purpose



Recall that project purpose is. . .

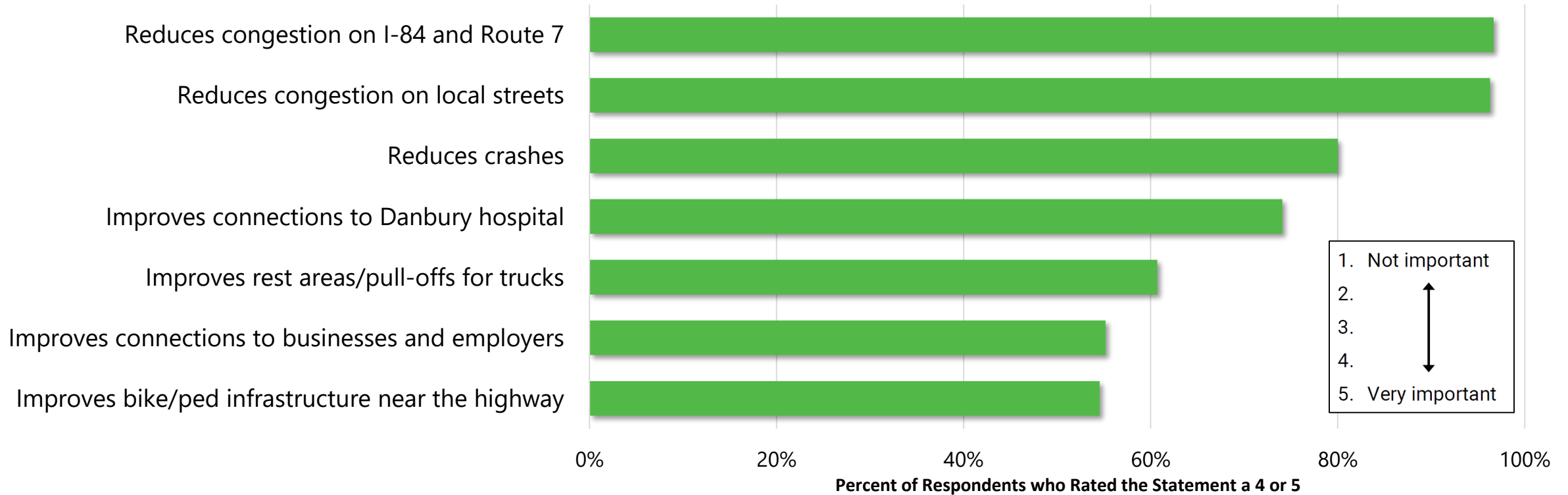
- **What the proposed action will accomplish** (i.e. the intended outcome), not the action itself
- **PAC Role**: provide local perspective to CTDOT as it develops the project purpose



Recap: Clicker Exercises

Project Purpose Check in: Percent of Respondents who Rated the Statement a 4 or 5

How important is it that the I-84 Danbury project . . .



Clicker Responses Point to Congestion & Mobility



Congestion

- Reduce congestion on I-84 and Route 7
- Reduce congestion on local streets
- Reduce crashes



Mobility

- Improve connections to Danbury Hospital
- Improve rest areas/pull-offs for trucks
- Improve connections to businesses and employers
- Improve bike/ped infrastructure near the highway

Draft Purpose Statement:

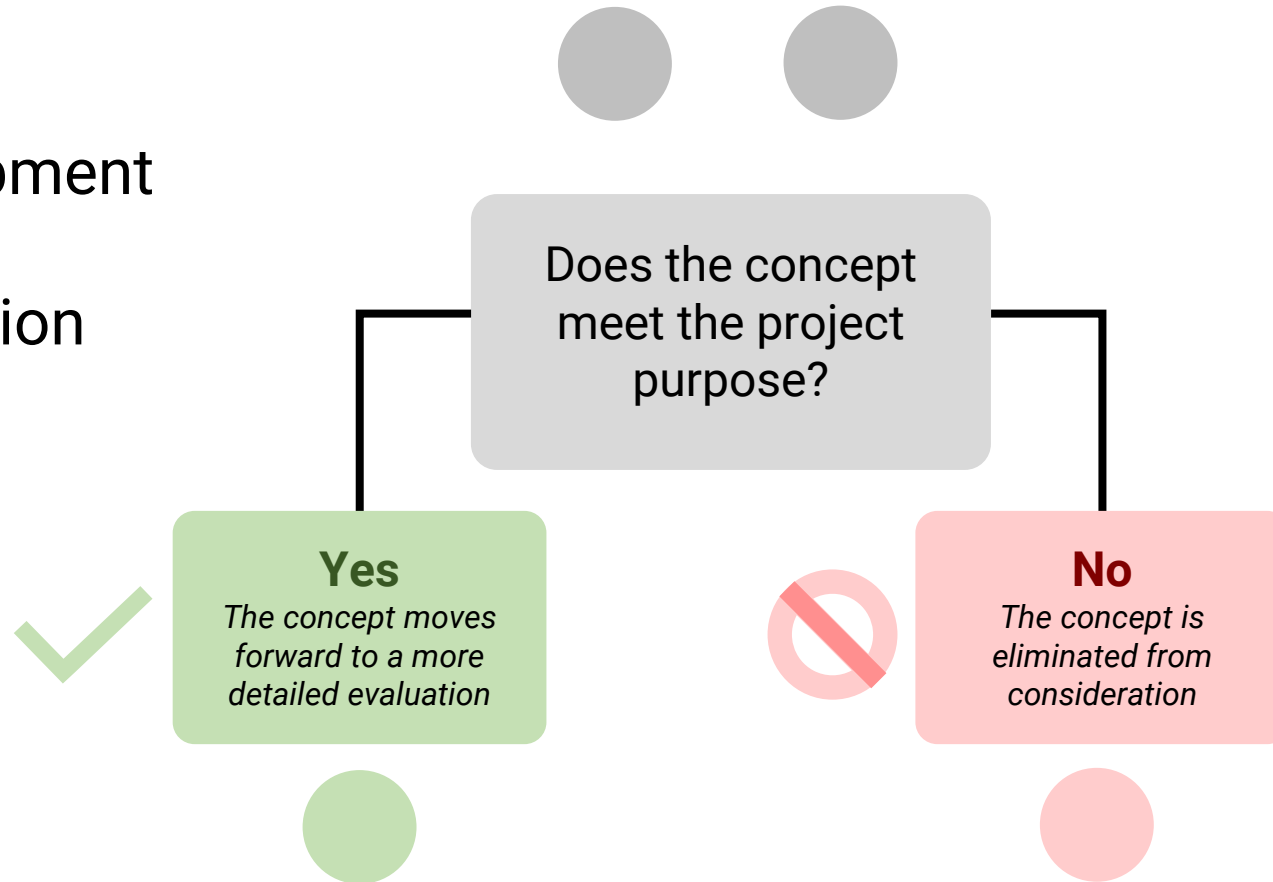
The purpose of the I-84 Danbury Project is to reduce **congestion** and improve the **mobility** of people and goods in the I-84 corridor in greater Danbury.



How will the Project Purpose be used?

1. Concept Development

2. Concept Evaluation



Tools for Reducing Congestion:

- Reduce or eliminate problematic weaving and merging
- Reconfigure left-hand exits
- Maintain lane continuity
- Improve geometric alignment
- Improve ramp placement, spacing, configuration, and length
- Improve connections to alternate modes of transportation
- Travel demand management



Tools for Improving Mobility:

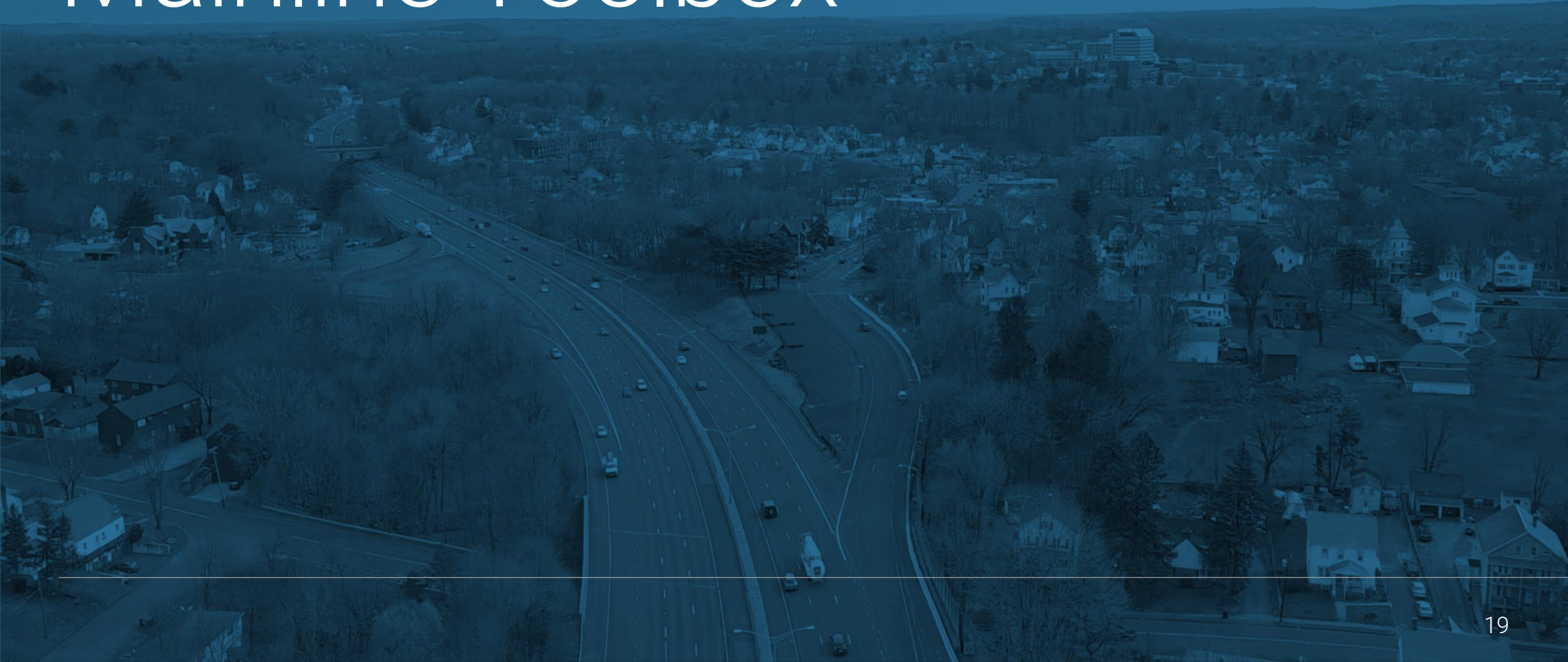
- Improve connections between highway and local roadway network
- Improve connections between highway and critical facilities
- Improve connections between highway, downtown, major employers, and retail centers
- Improve connections to alternate modes of transportation



Toolbox for Concept Development Process

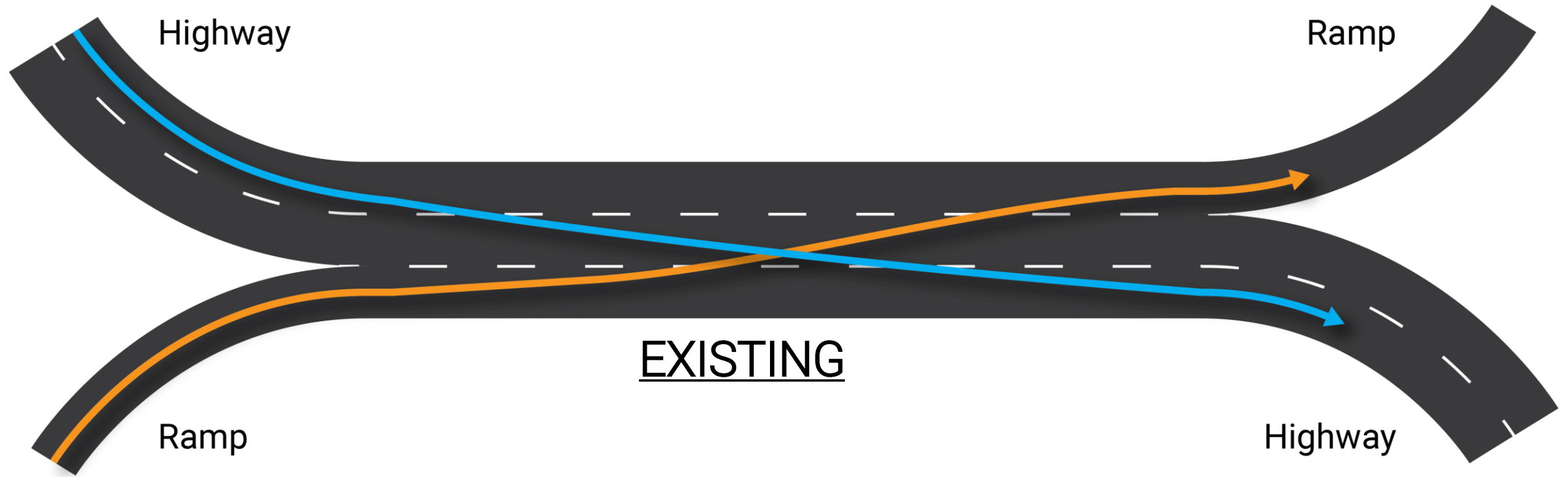
- Mainline Toolbox
- Interchange Toolbox
- Streets Toolbox
- Non-highway Toolbox

Mainline Toolbox



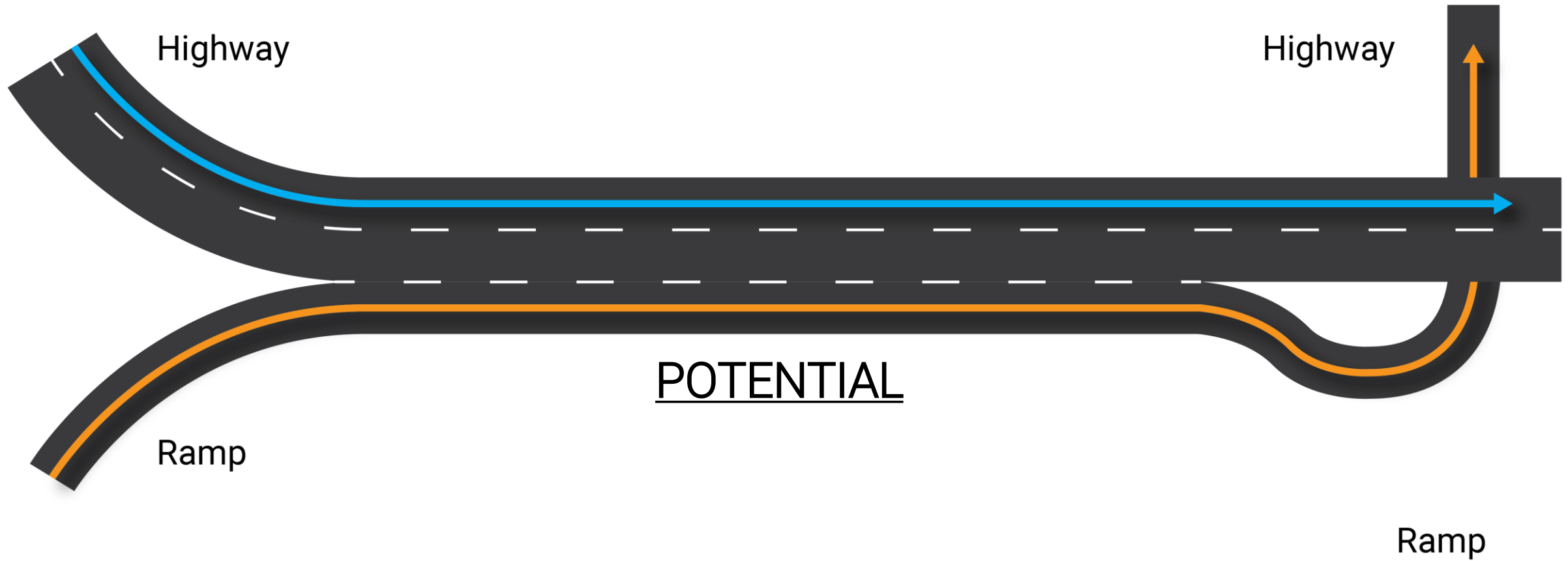


Weave – Left hand exit





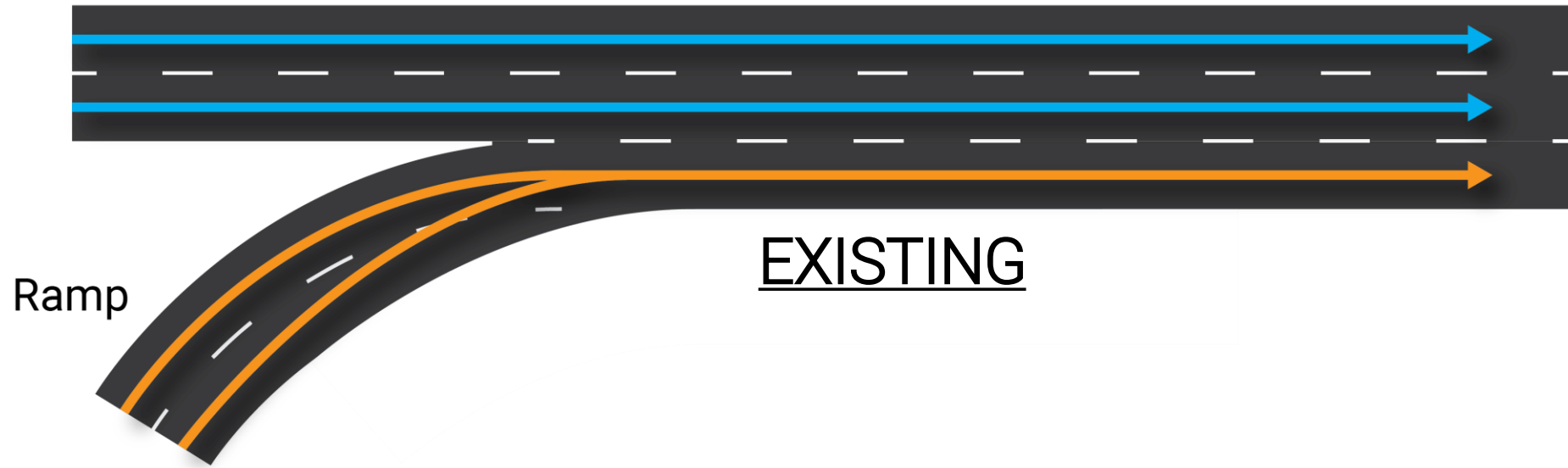
Weave – Left hand exit





Lane Continuity – Lane Drop

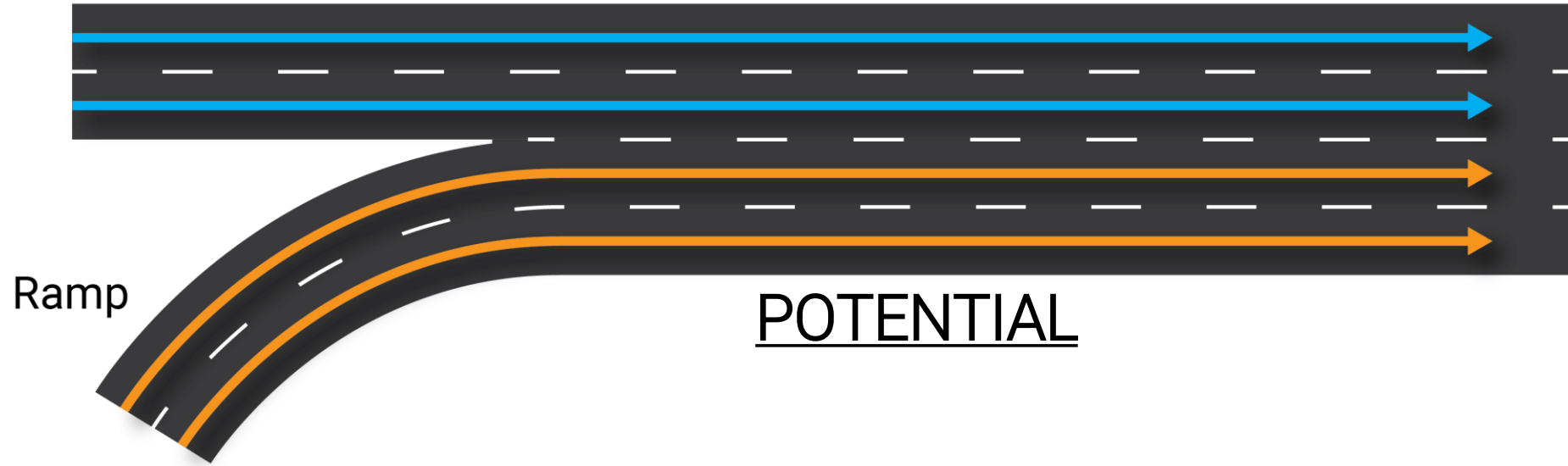
Highway





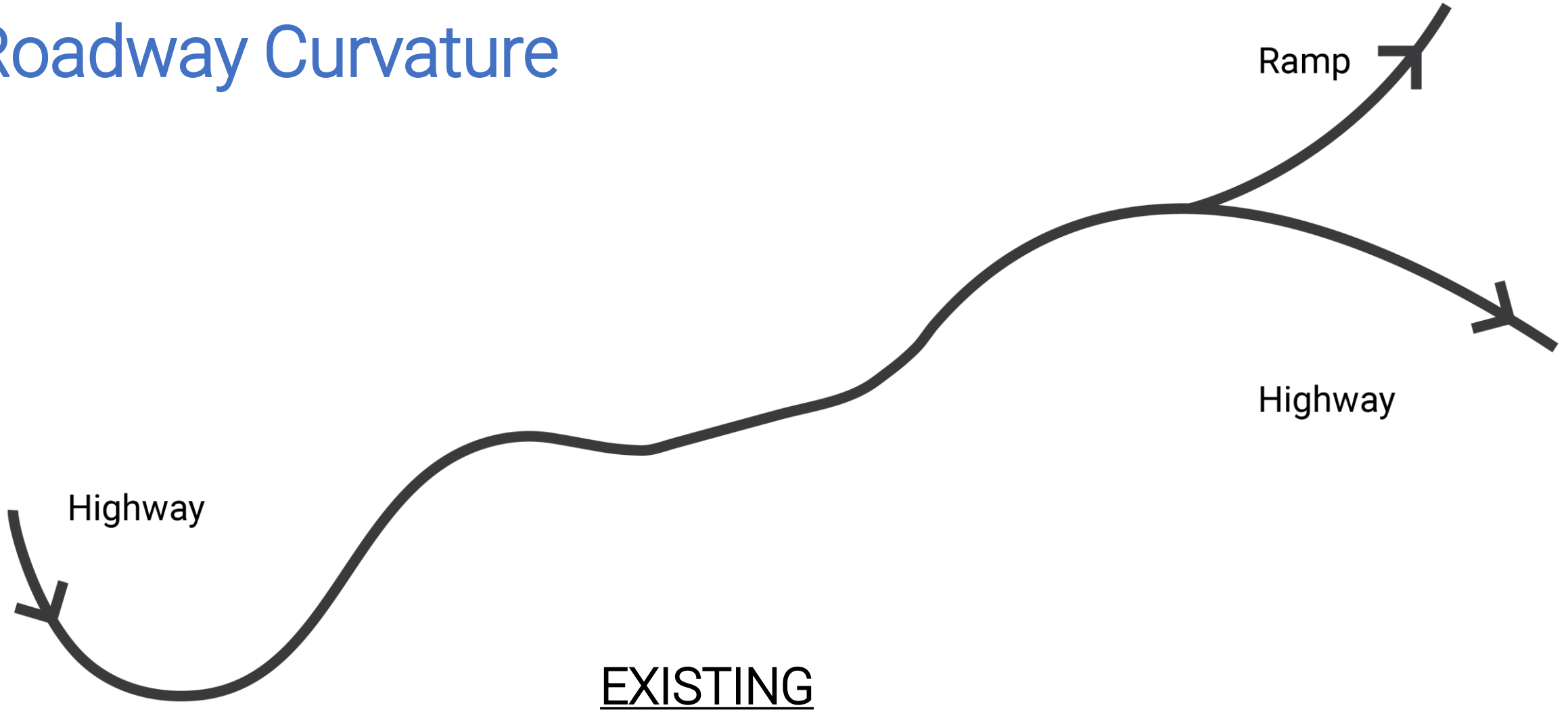
Lane Continuity – Lane Drop

Highway



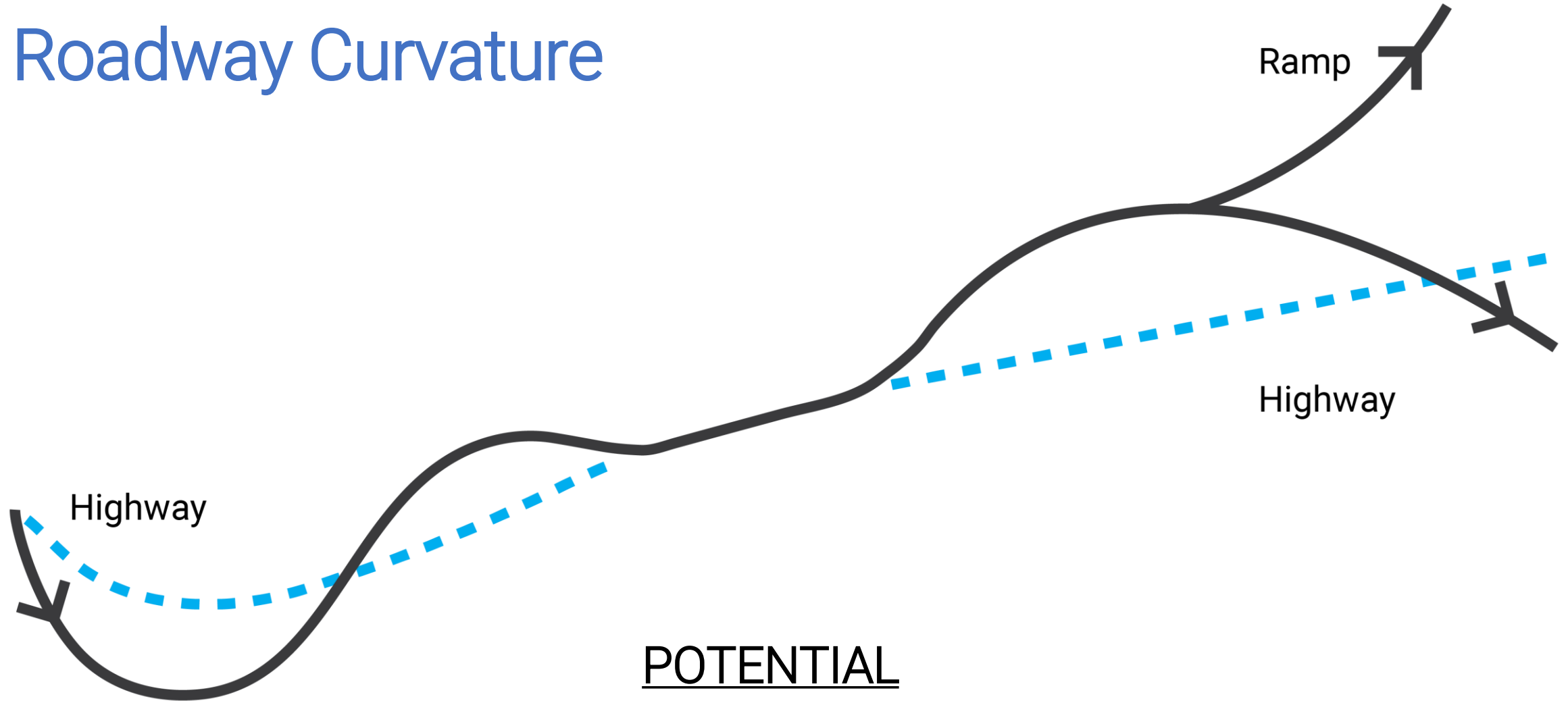


Roadway Curvature



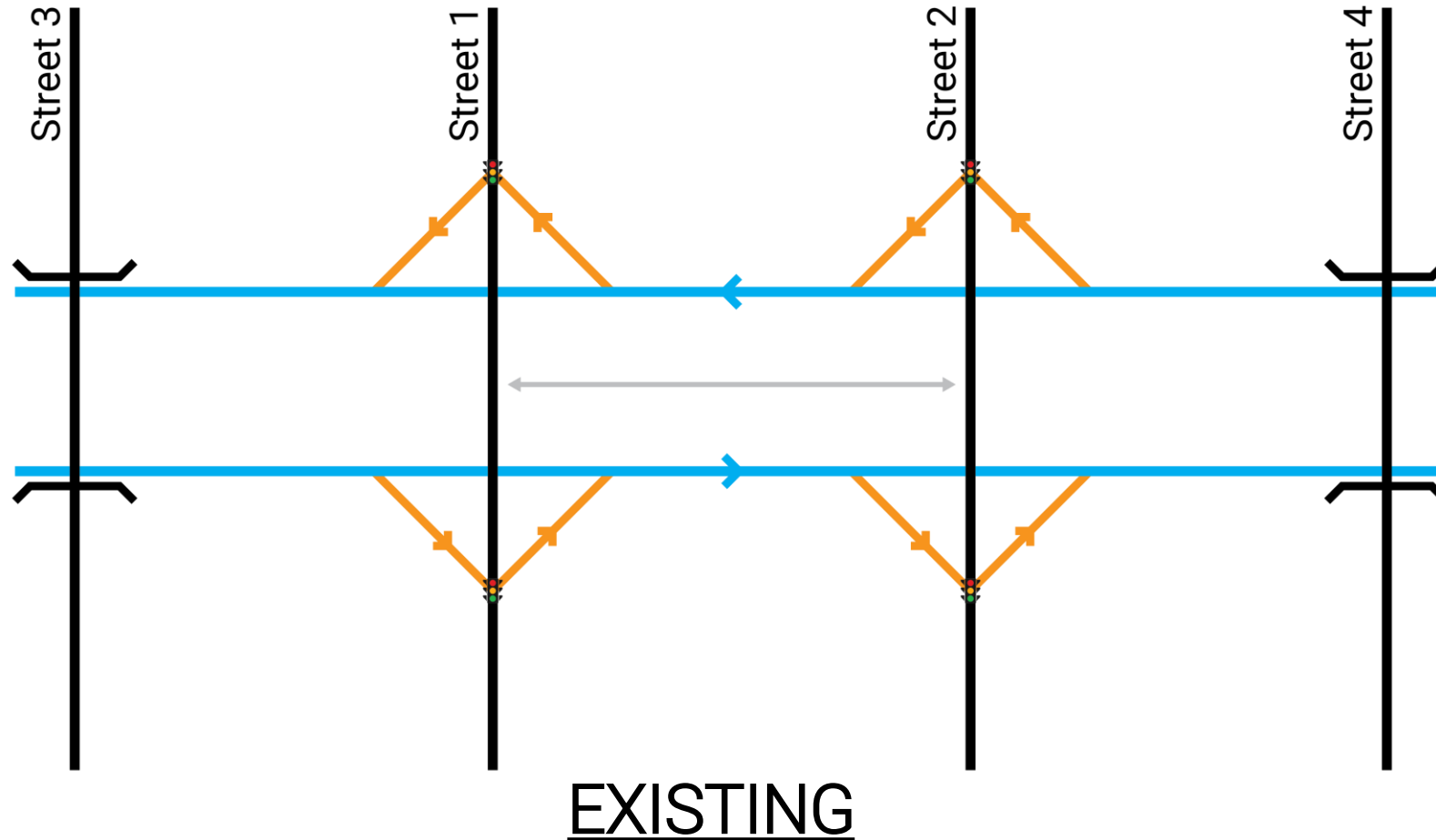


Roadway Curvature



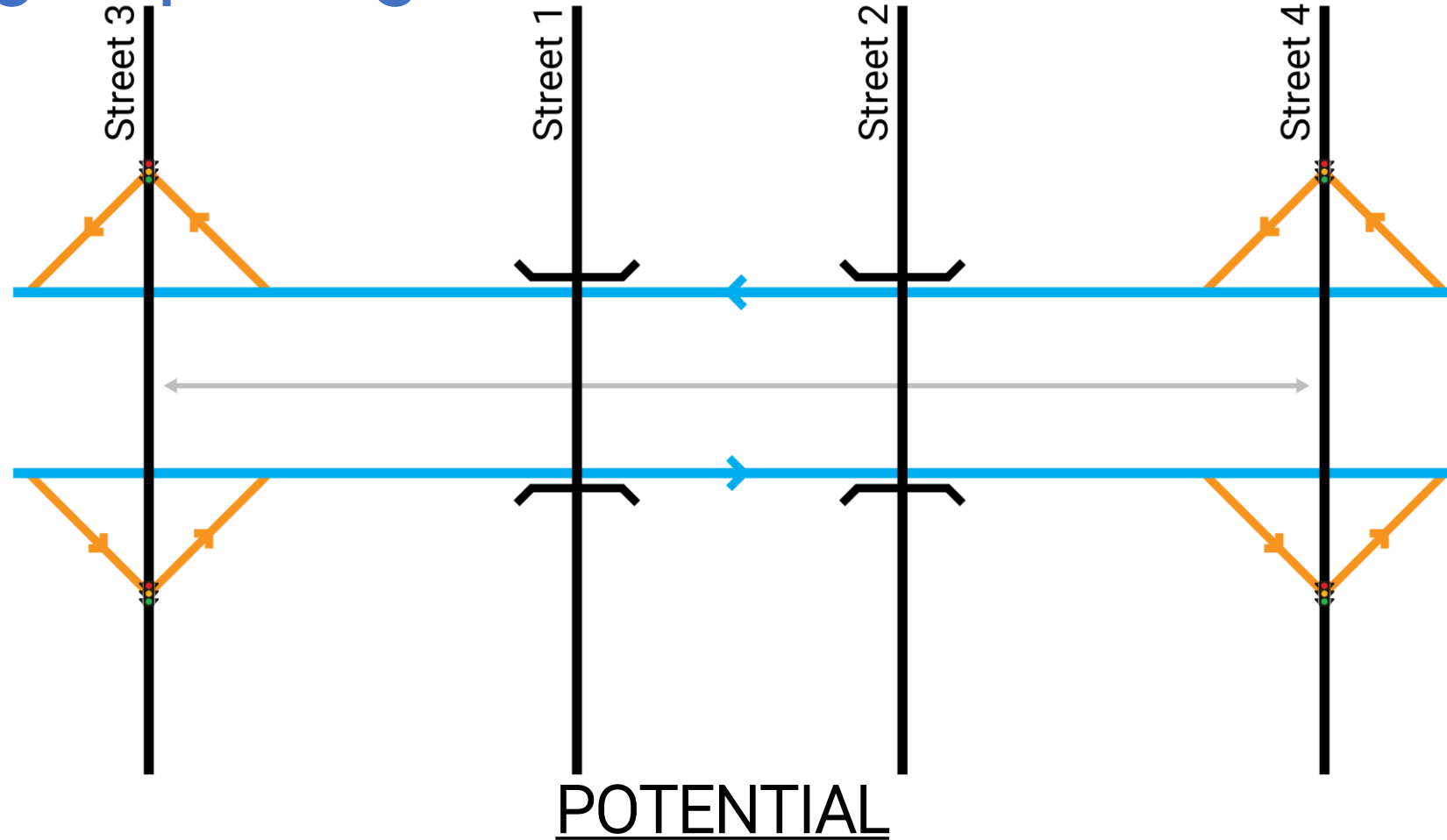


Interchange Spacing



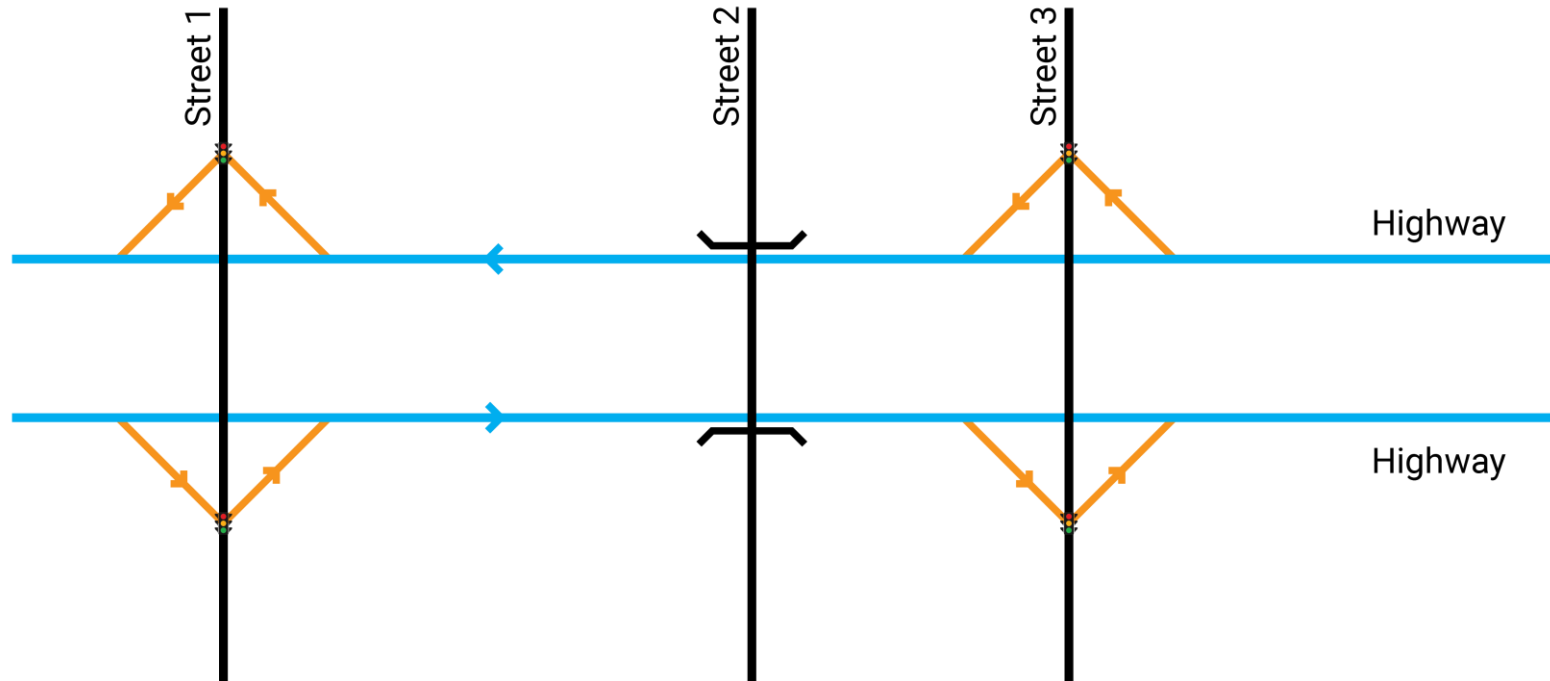


Interchange Spacing





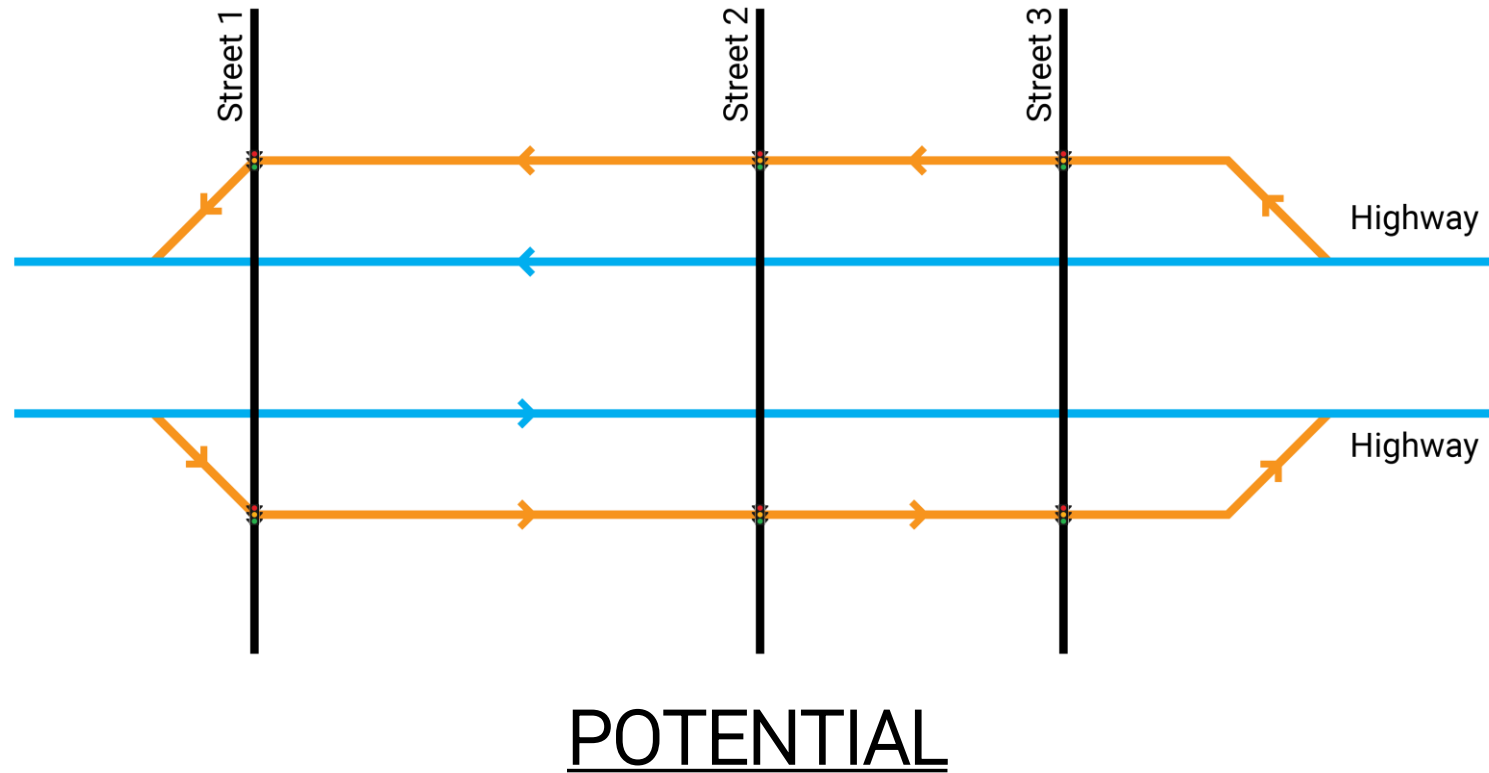
Collector-Distributor Roads



EXISTING



Collector-Distributor Roads



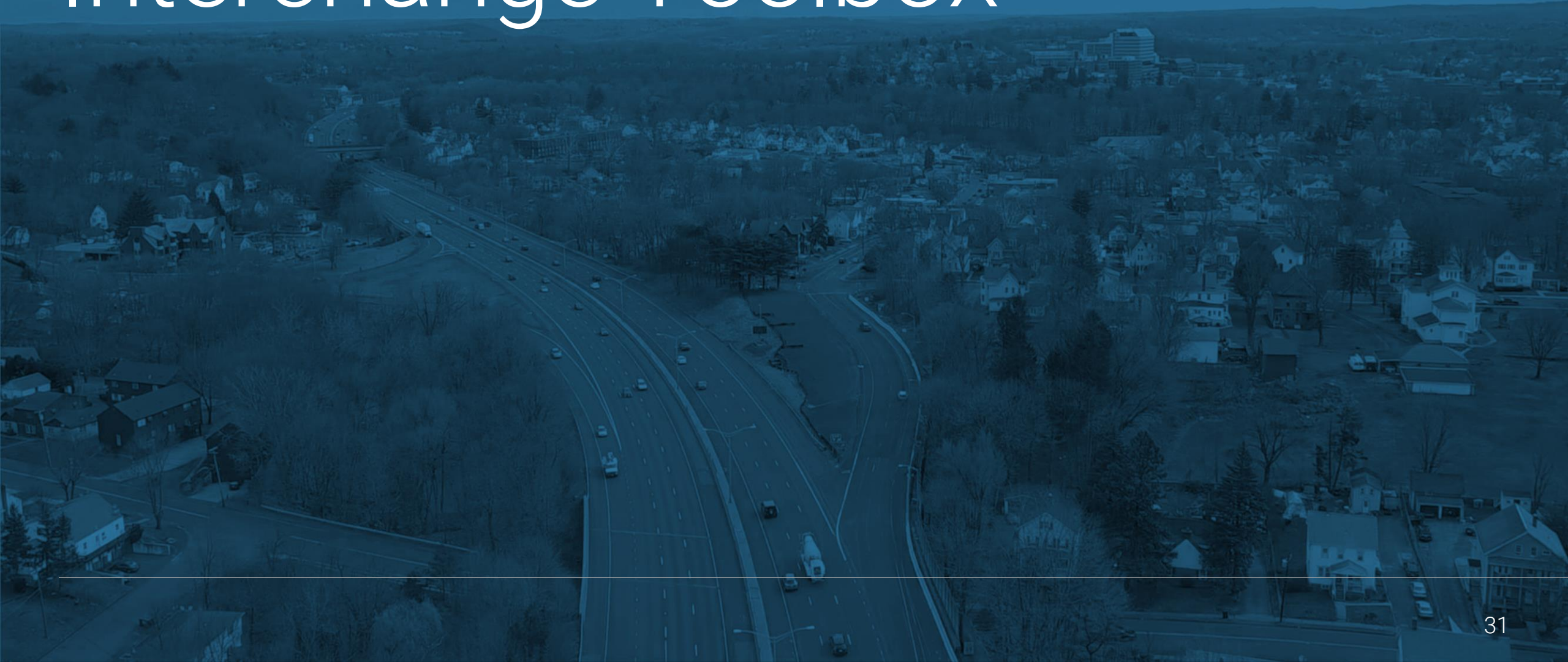


Traffic Modeling



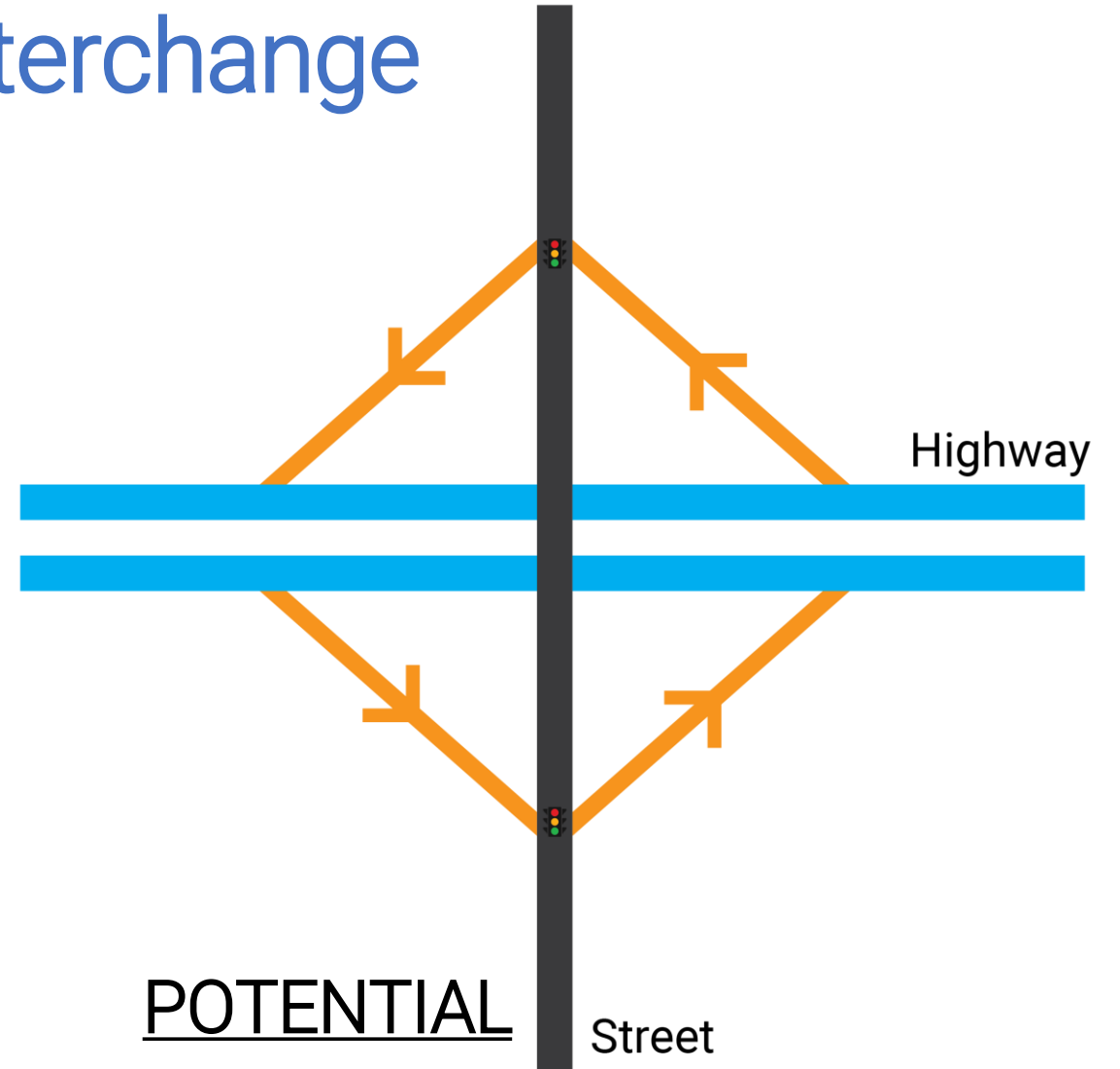
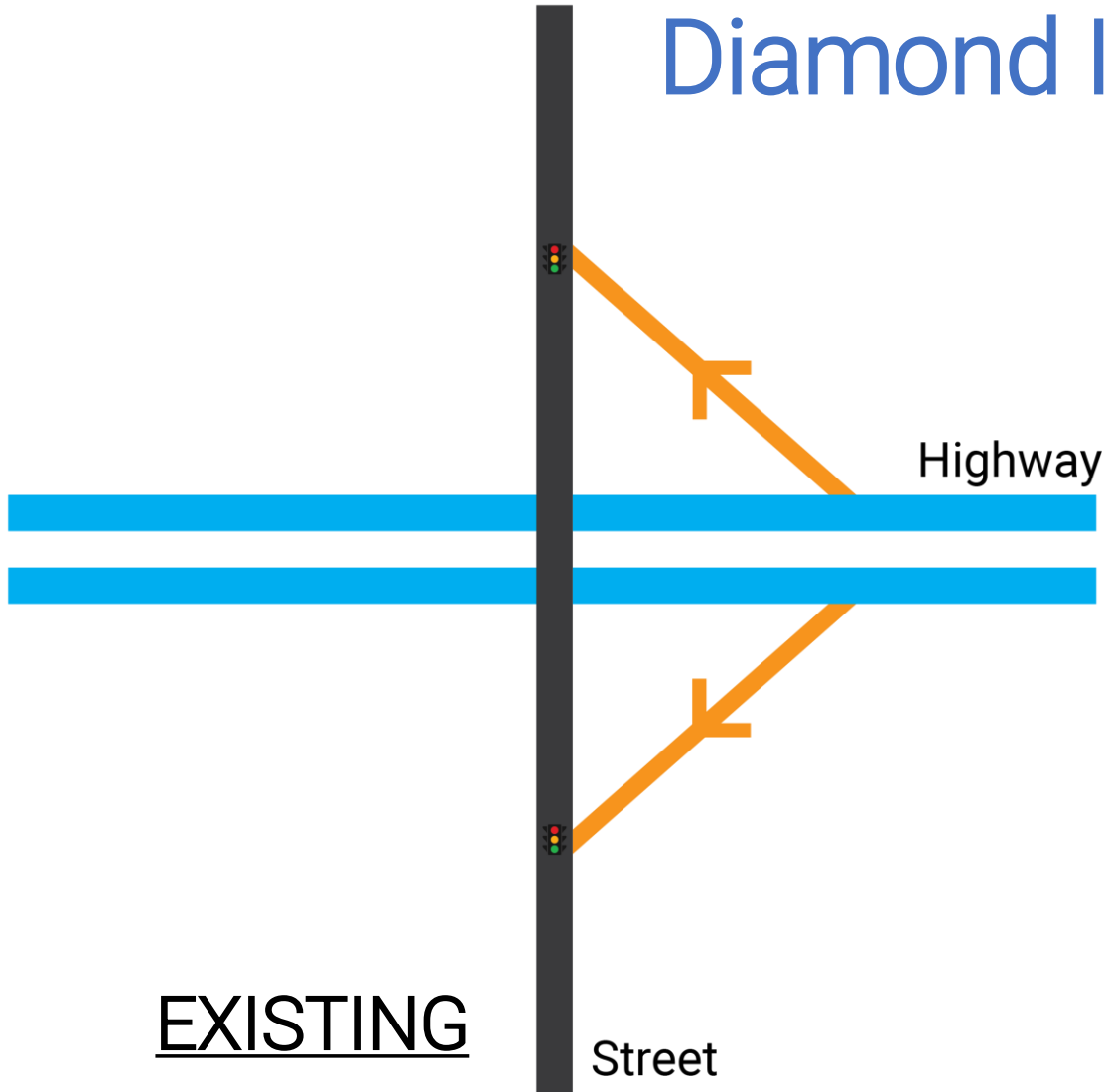


Interchange Toolbox



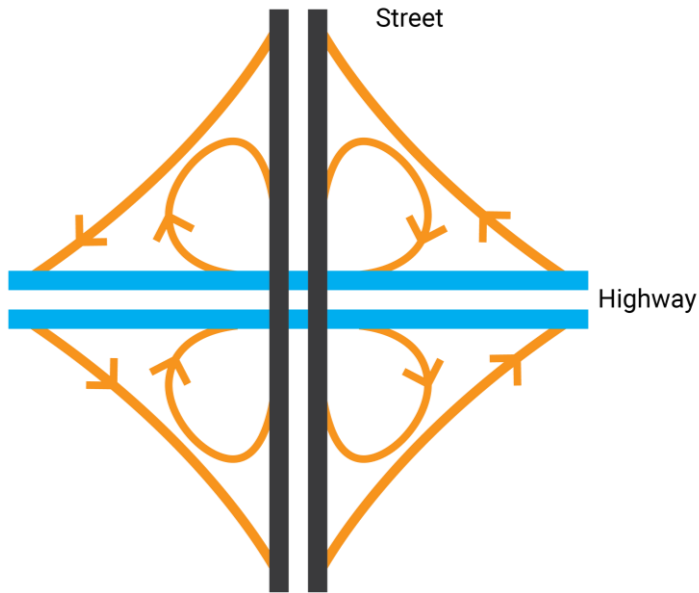


Diamond Interchange

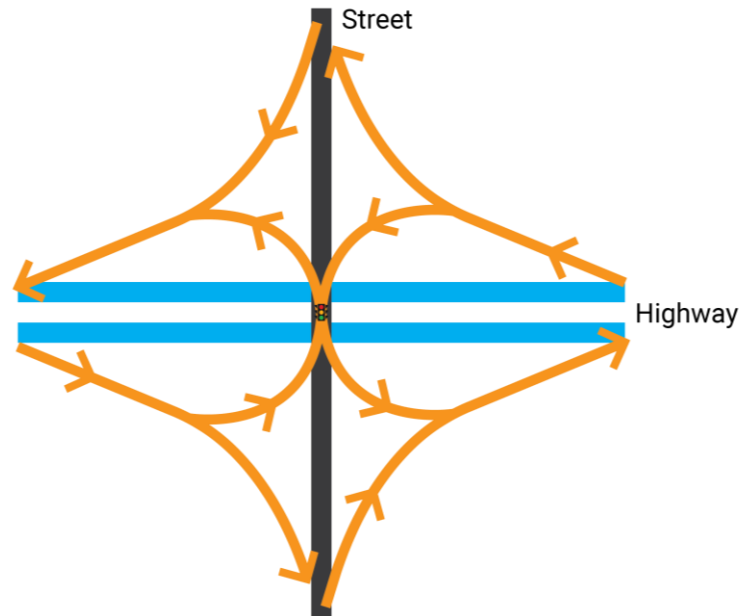




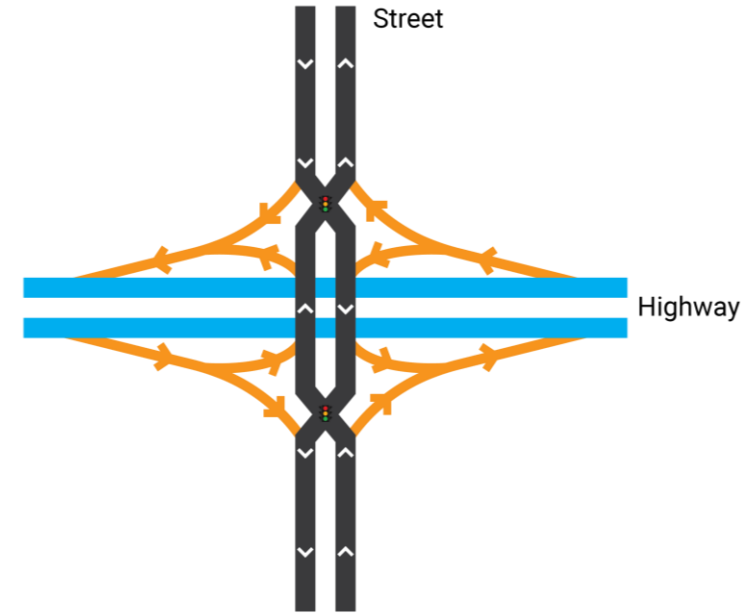
Other types of Interchanges



Cloverleaf



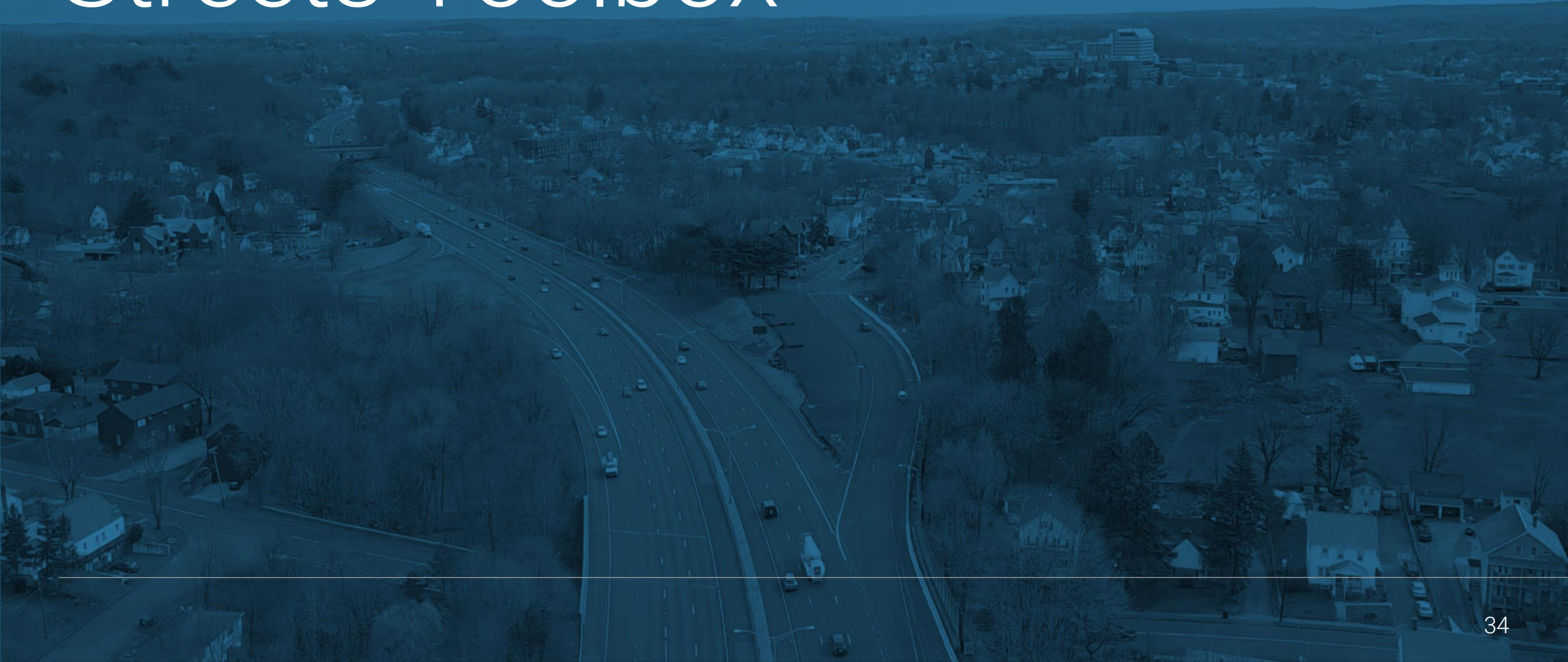
Single Point Urban



Diverging Diamond

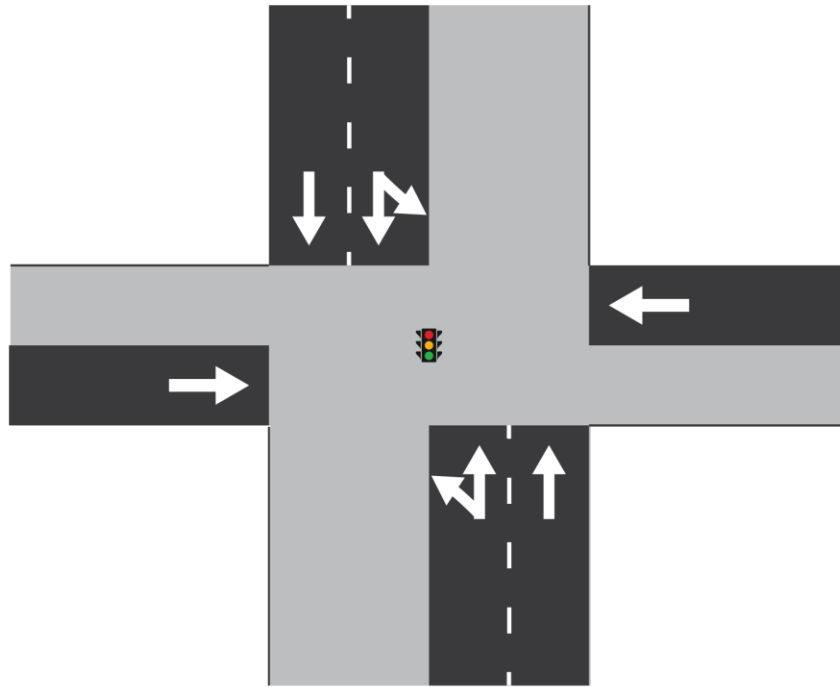


Streets Toolbox

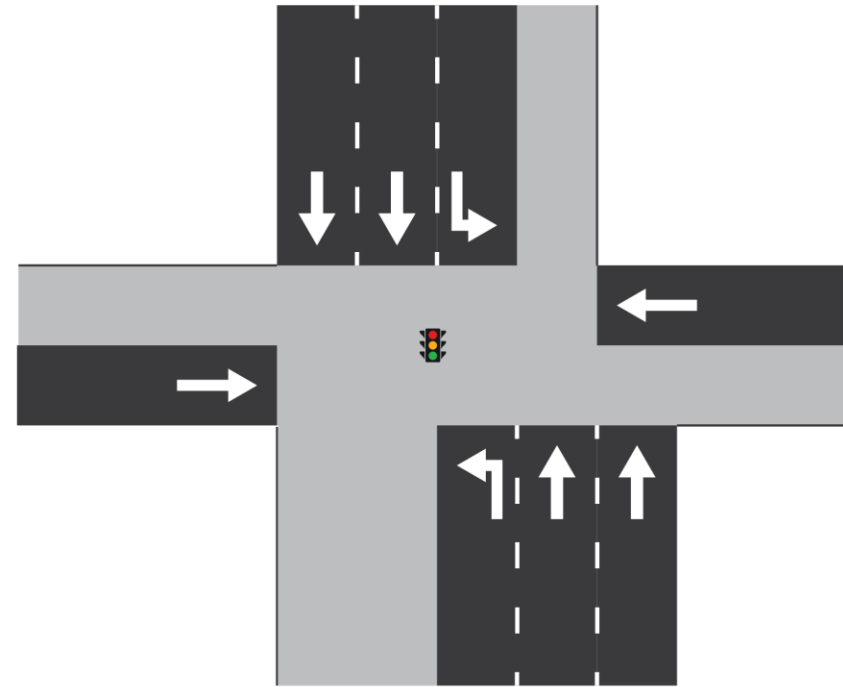




Intersection Improvement



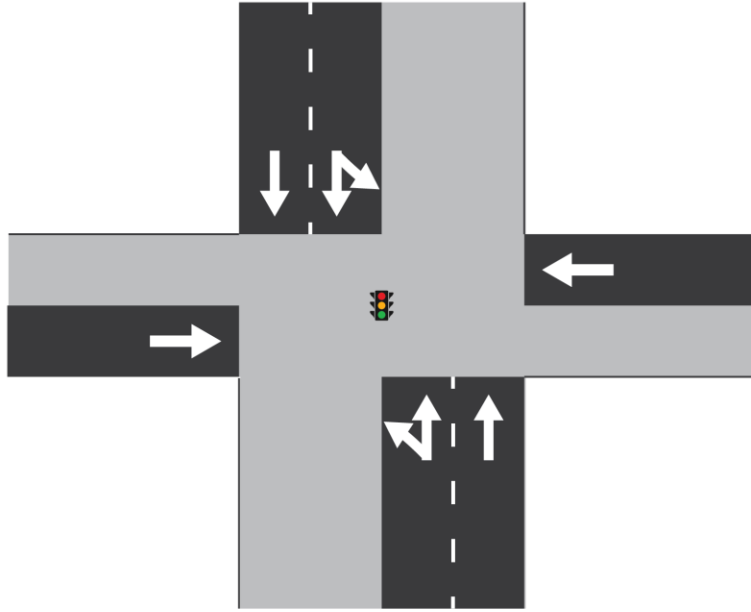
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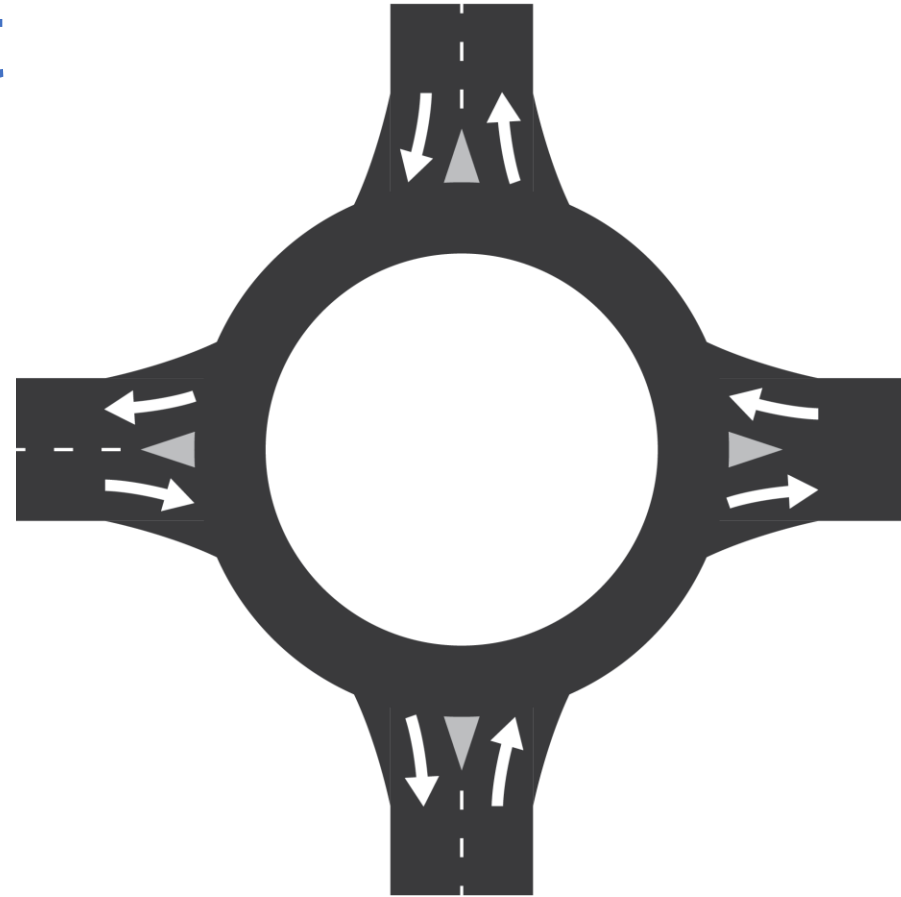
POTENTIAL



Intersection Improvement



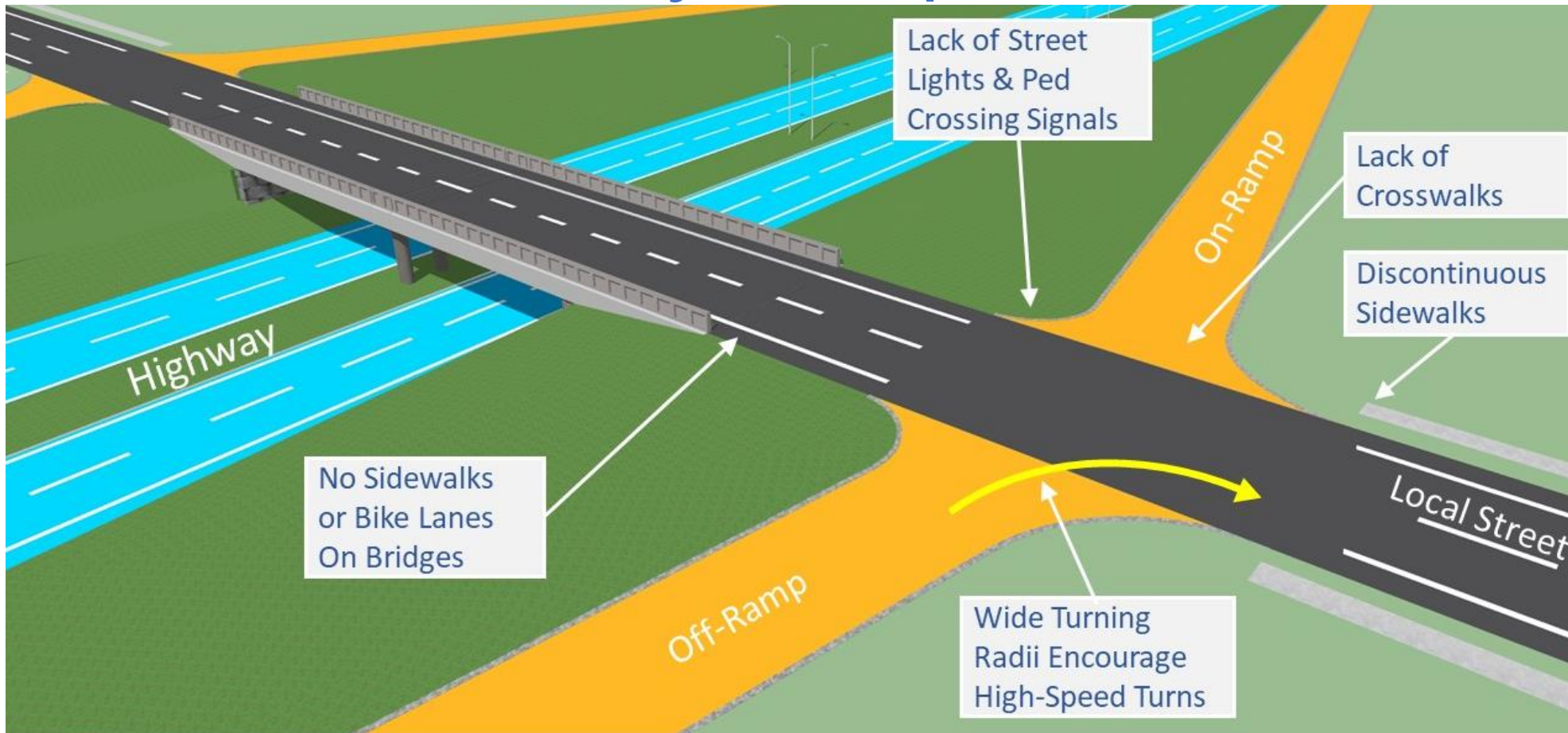
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POTENTIAL



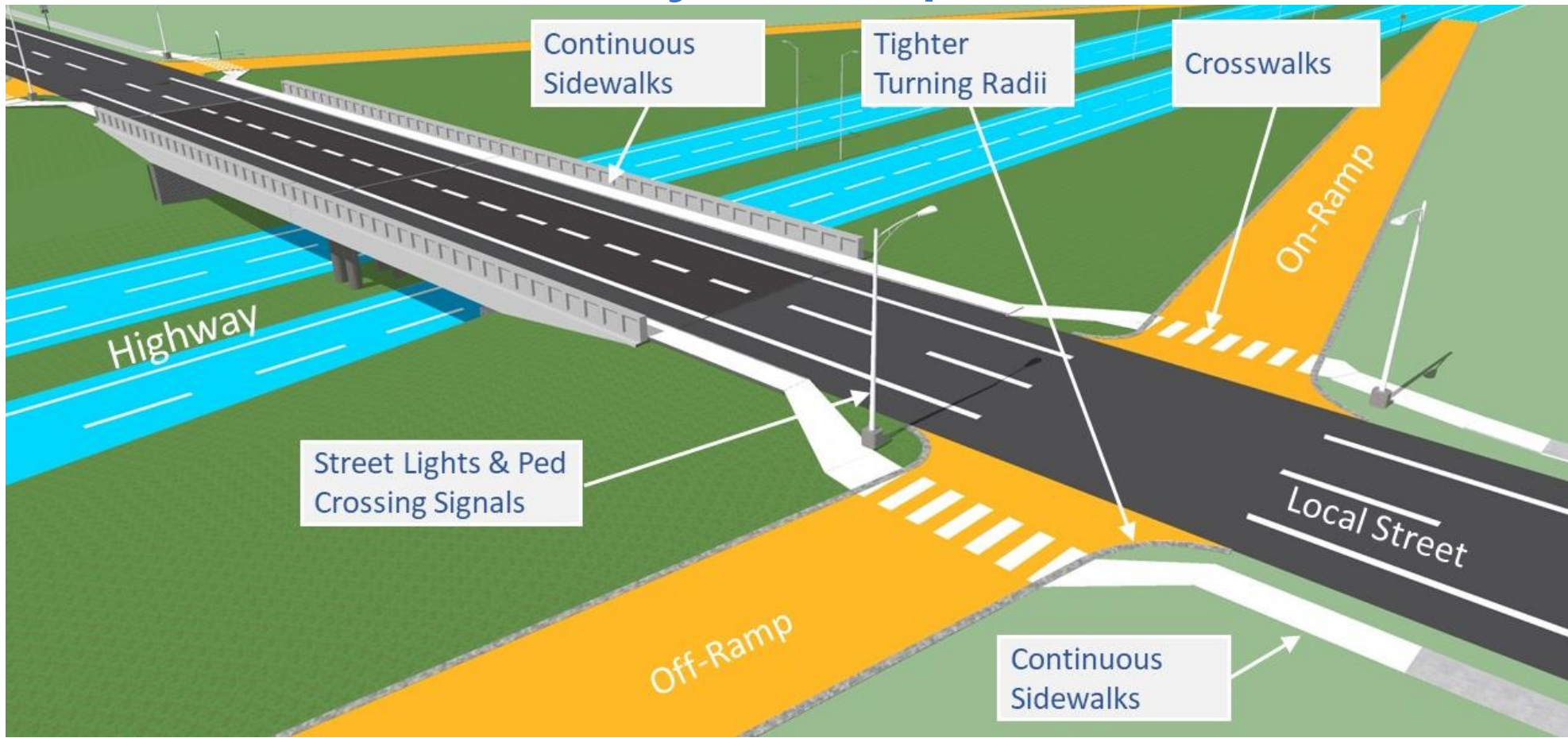
Pedestrian and Bicycle Improvements



EXISTING



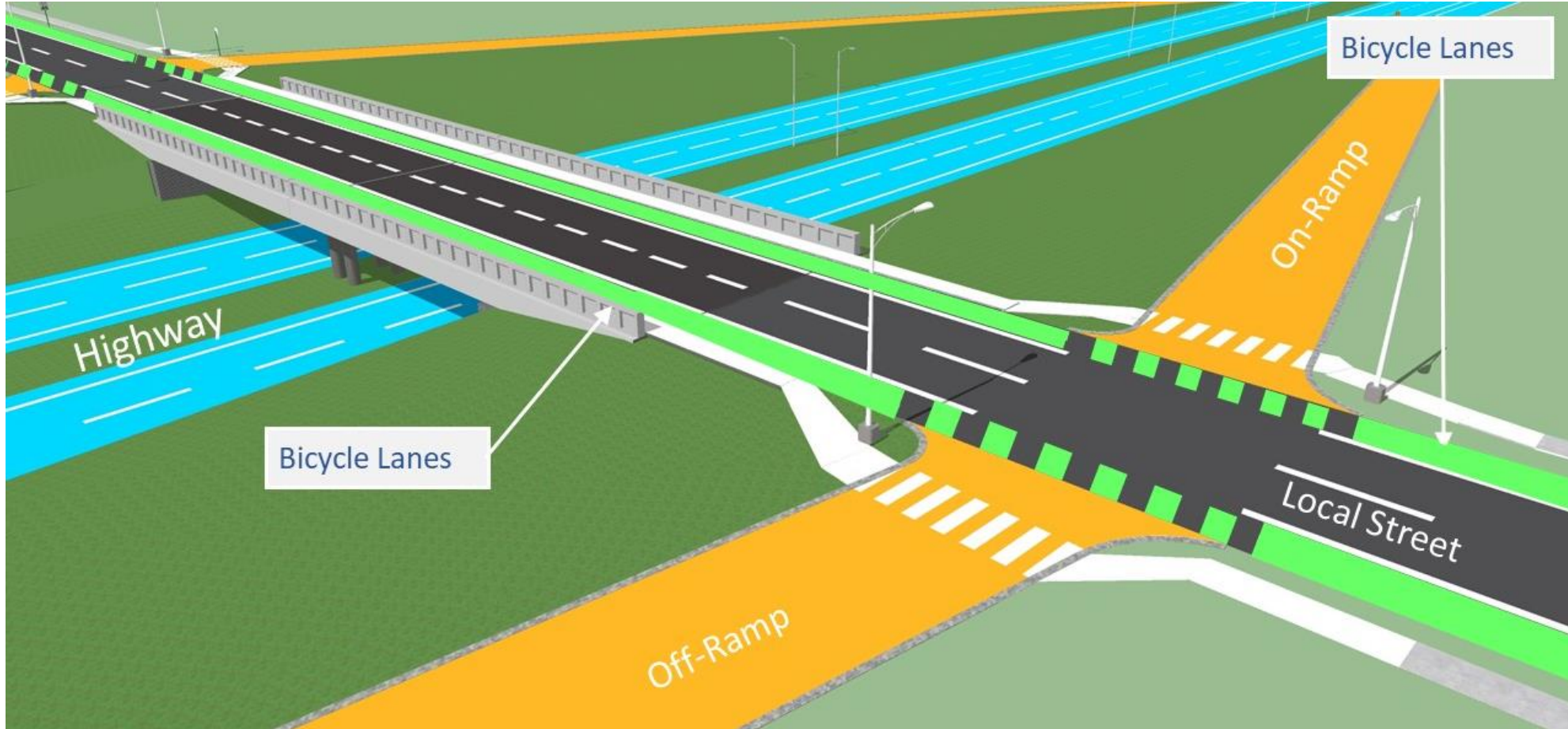
Pedestrian and Bicycle Improvements



POTENTIAL



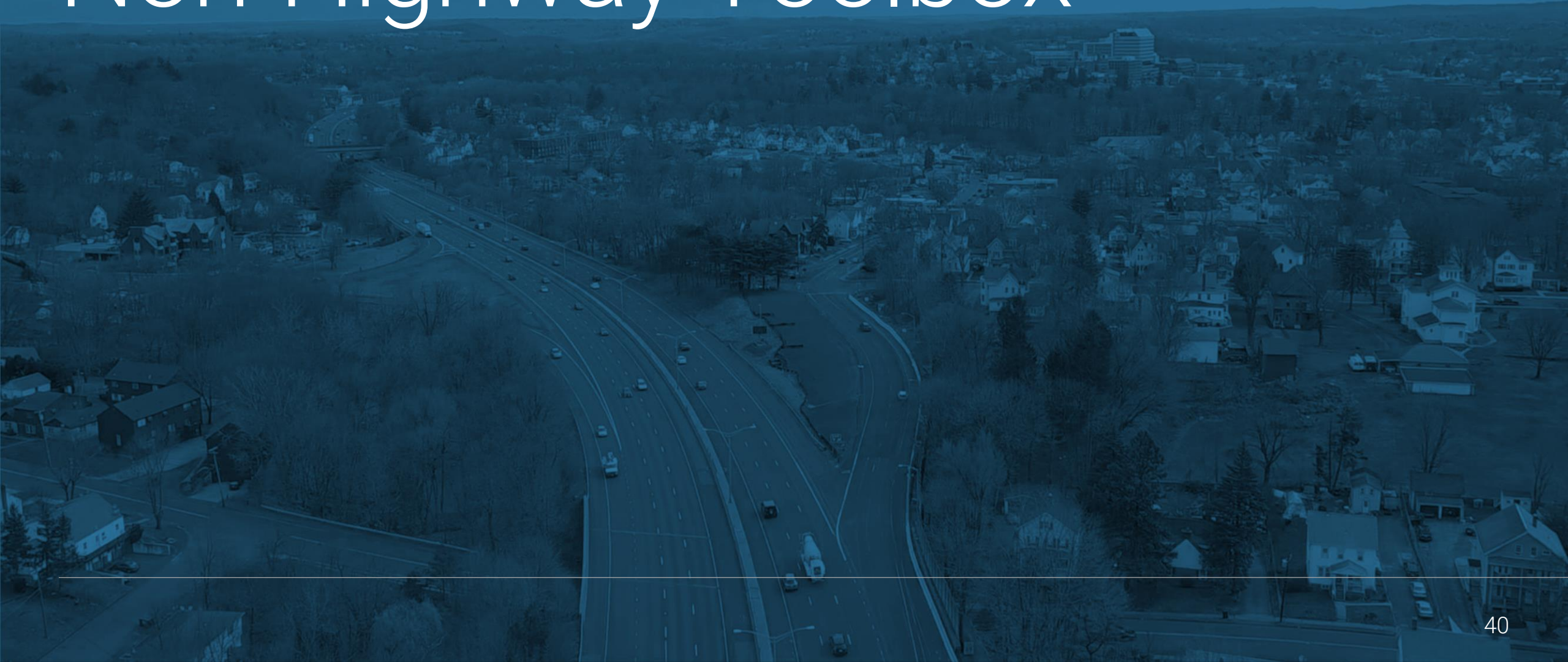
Pedestrian and Bicycle Improvements



POTENTIAL



Non-Highway Toolbox





Travel Demand Management





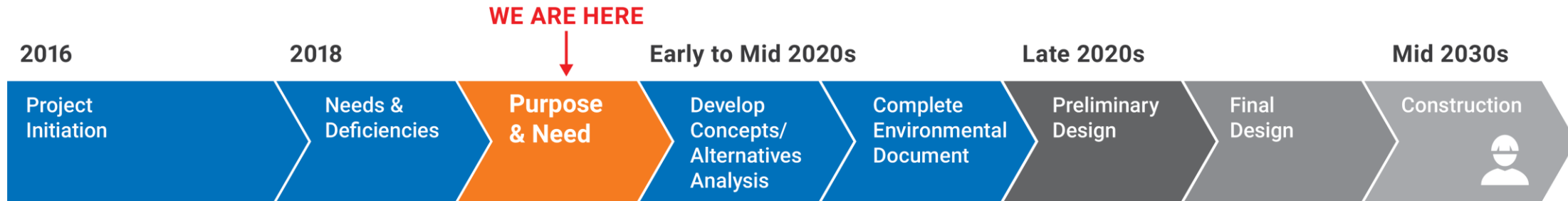
Next Steps

Next Steps

- Develop an initial concept
- Review concept with PAC
- Revise and develop new concepts
- Next PAC Meeting - Spring 2020



Anticipated Project Schedule



Community Engagement (Throughout)



Public Meetings



Newsletters



Fact Sheets



Email Blasts



Website



Social Media



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Thank You!