



I-84 HARTFORD PROJECT

An architectural rendering of a modern urban street. The scene shows a wide road with a central lane for cars and two green-painted bike lanes on either side. Pedestrians are walking on the sidewalks, and a cyclist is riding in the bike lane. The street is lined with trees and modern streetlights. The overall atmosphere is bright and clean, suggesting a high-quality urban environment.

I-84 Hartford Project **Urban Design Working Group Meeting # 6**

September 13, 2016



Introduction and agenda

- Goals, challenges and strategies
- Capping
- Corridor analysis
 - Broad Street to Asylum Street
 - Sigourney Street to Broad Street
 - Capitol Avenue to Sigourney Street
 - Ann and High Streets

This is intended to be a working session...please feel free to ask questions and make suggestions!



Goals, Challenges and Strategies





I-84 Corridor

Challenges of integrating I-84 into the city

- Overcoming neighborhood discontinuity
- Mitigating the visual impact
- Mitigating the noise impact
- Creating quality local streets for peds/bikes
- Creating attractive places



I-84 Corridor

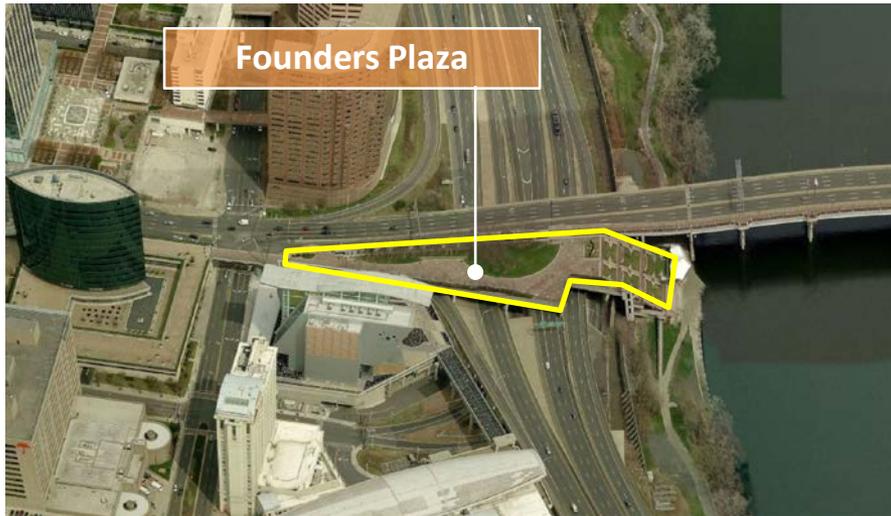
Strategies and tools to overcome challenges

- Capping
- Buildings/streets over lowered highway
- Expanded decking for bridges
- Landscape/raised planters
- Topography
- Screening walls



Example Strategies

Capping and plaza – Hartford, CT





Example Strategies

Capping and buildings – Hartford, CT





Example Strategies

Capping and buildings – Hartford, CT





Example Strategies

Capping and buildings – Columbus, OH





Example Strategies

Capping and buildings – Columbus, OH





Example Strategies

Decking and Landscape – Columbus, OH





Example Strategies

Decking and Landscape – Columbus, OH





I-84 Corridor

Strategies and tools to overcome challenges

- Which strategies and tools are the most appropriate in which locations along the corridor?
- Where should we apply the highest level of effort for the most value?

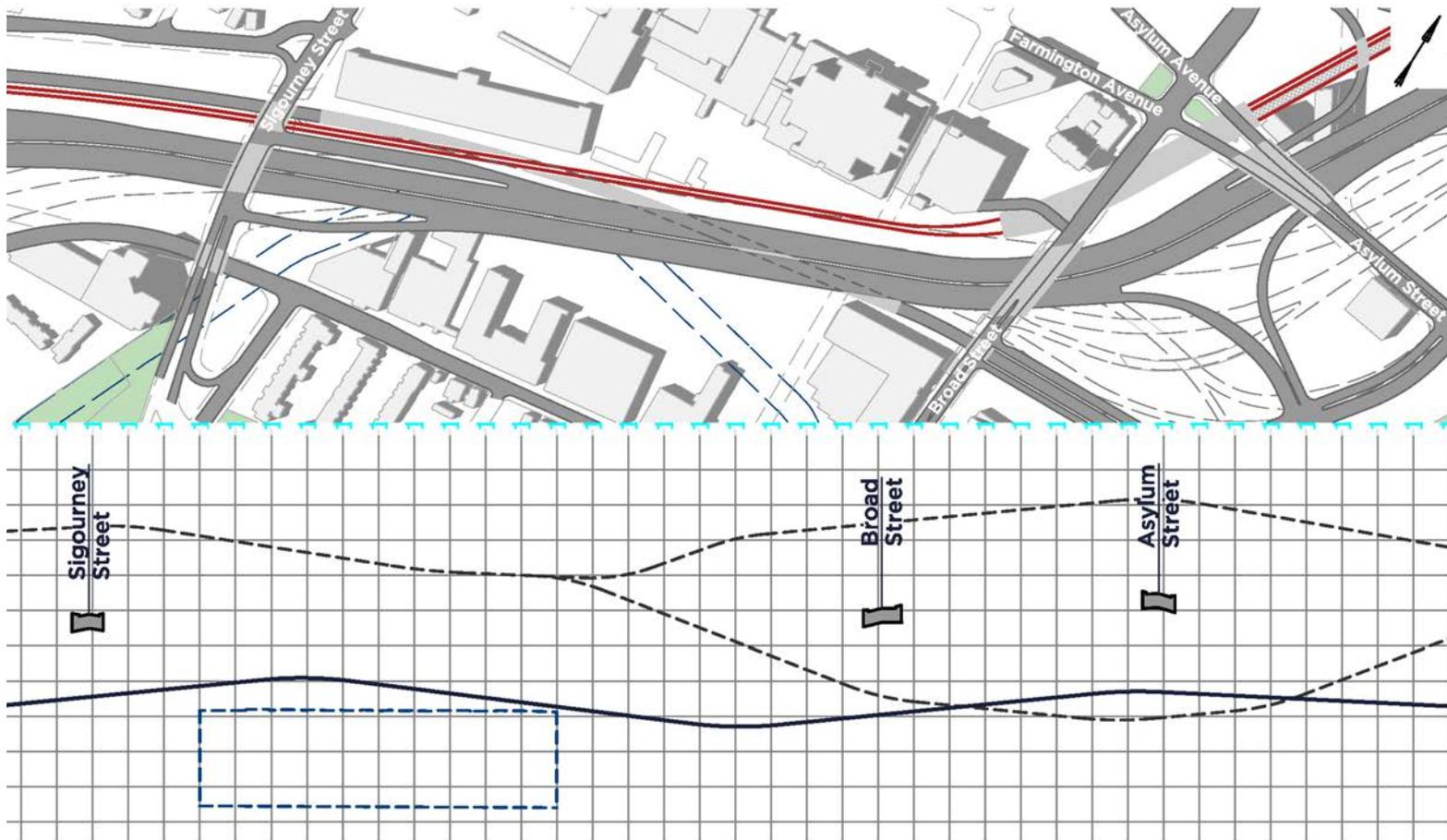


Capping



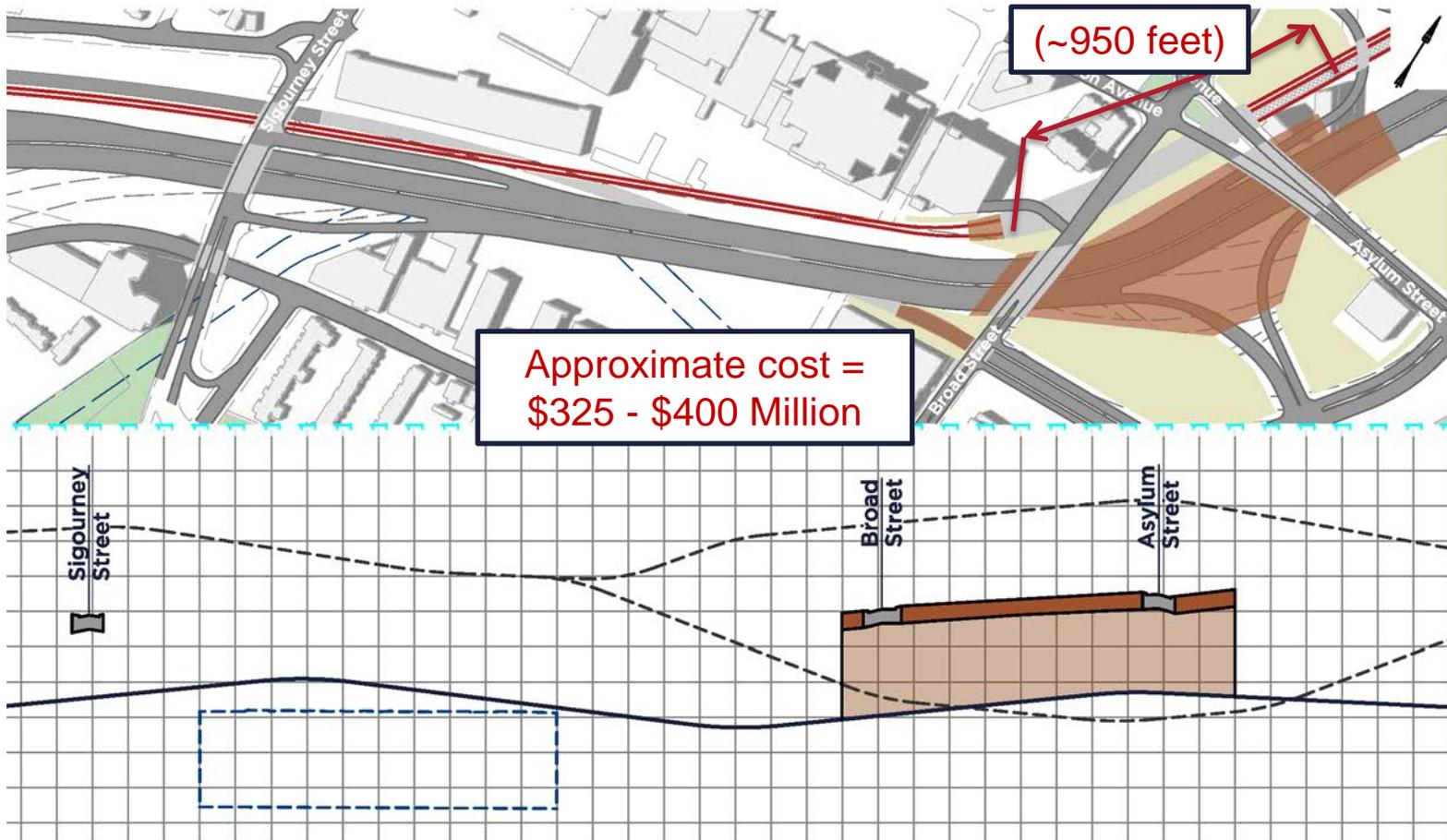


I-84 between Broad and Asylum Base Lowered Highway





I-84 between Broad and Asylum Capping



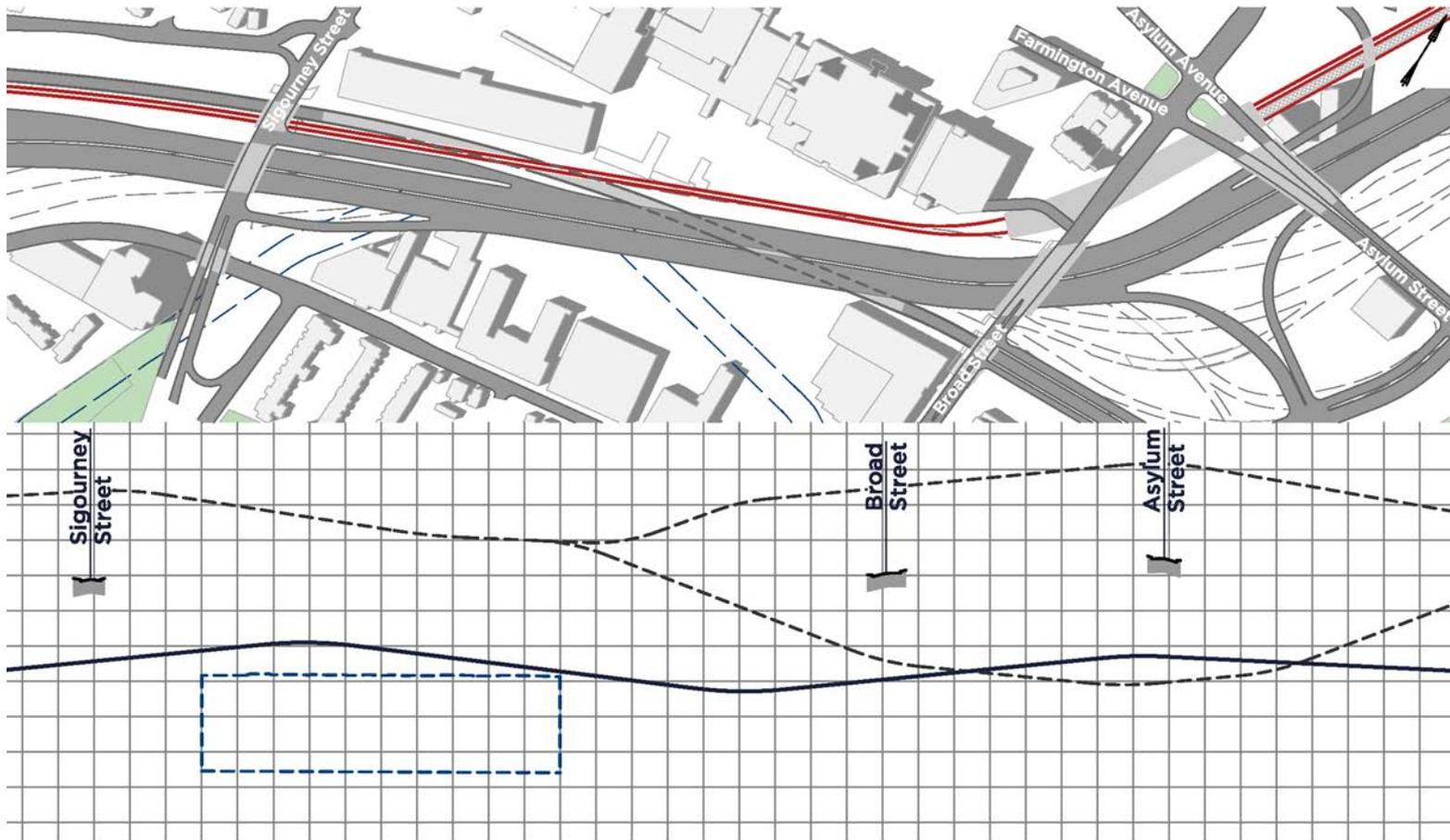


I-84 between Broad and Asylum Capping

- **Benefits**
 - Reconnects Asylum Hill to Downtown
 - Screens highway
 - Supports attractive TOD parcels
 - Helps to catalyze economic development
 - Buildings, open space and parking potential
- **Challenges**
 - Cost

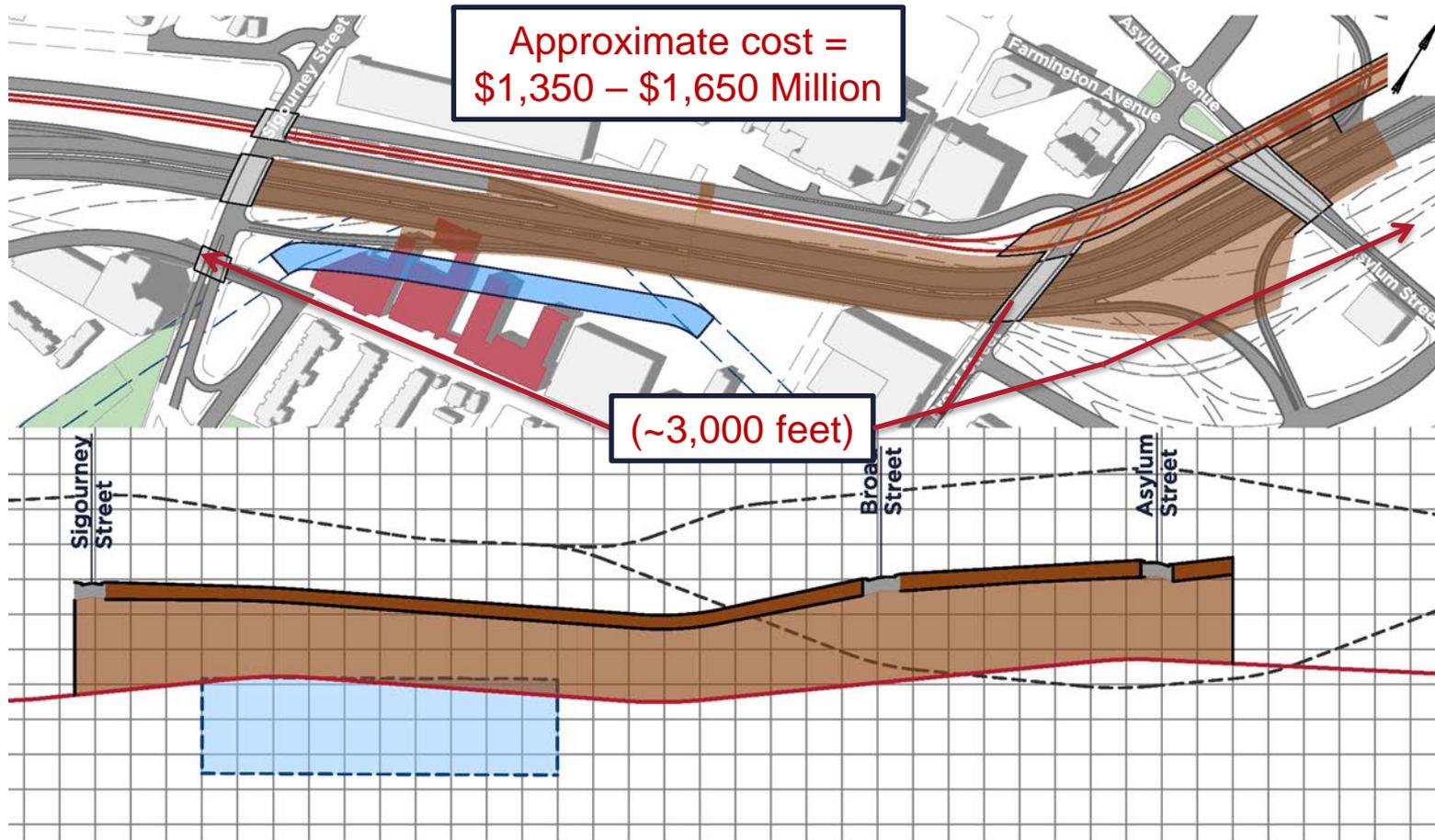


I-84 between Broad and Sigourney Base Lowered Highway



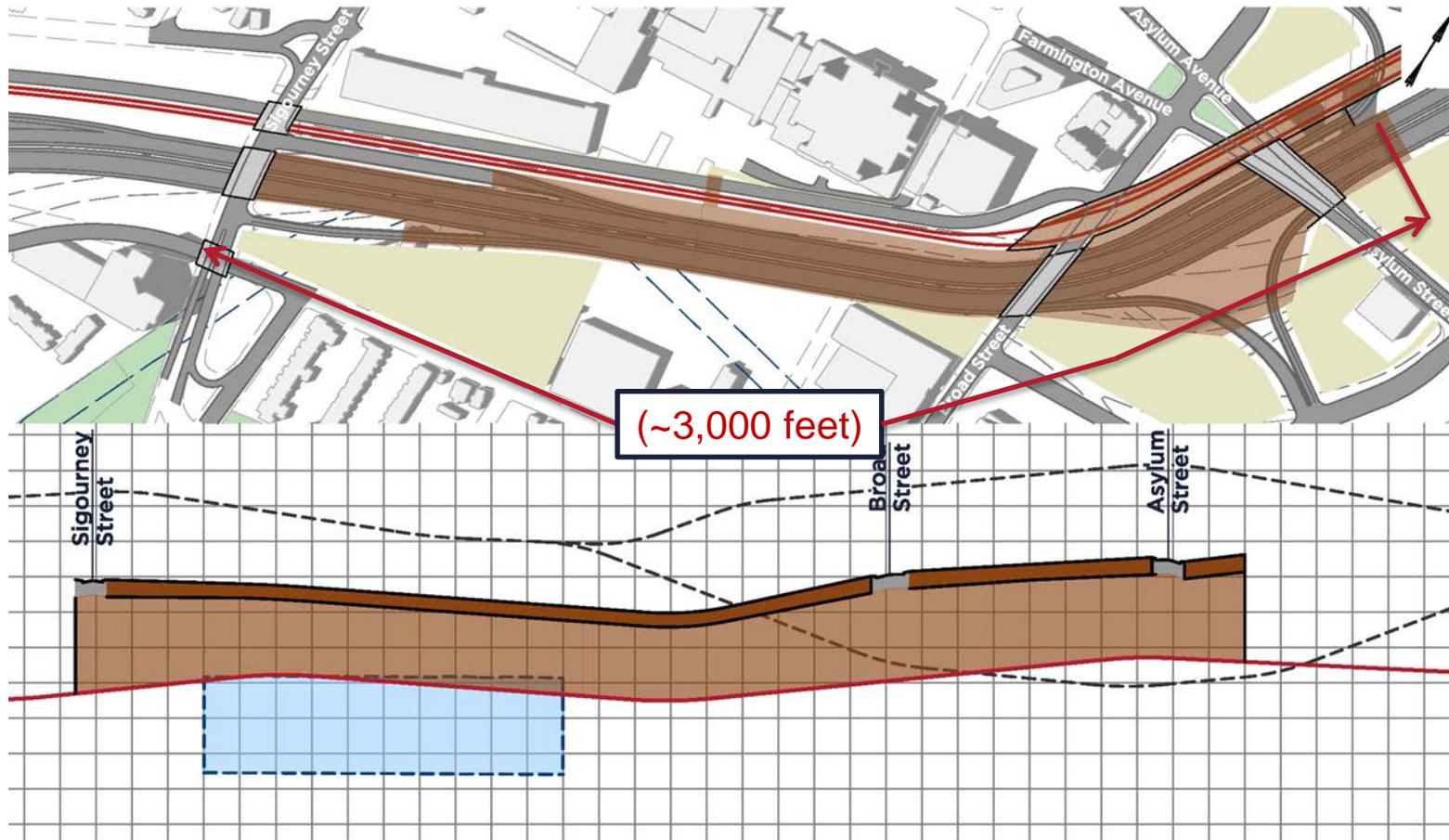


I-84 between Broad and Sigourney Capping with Potential Impacts



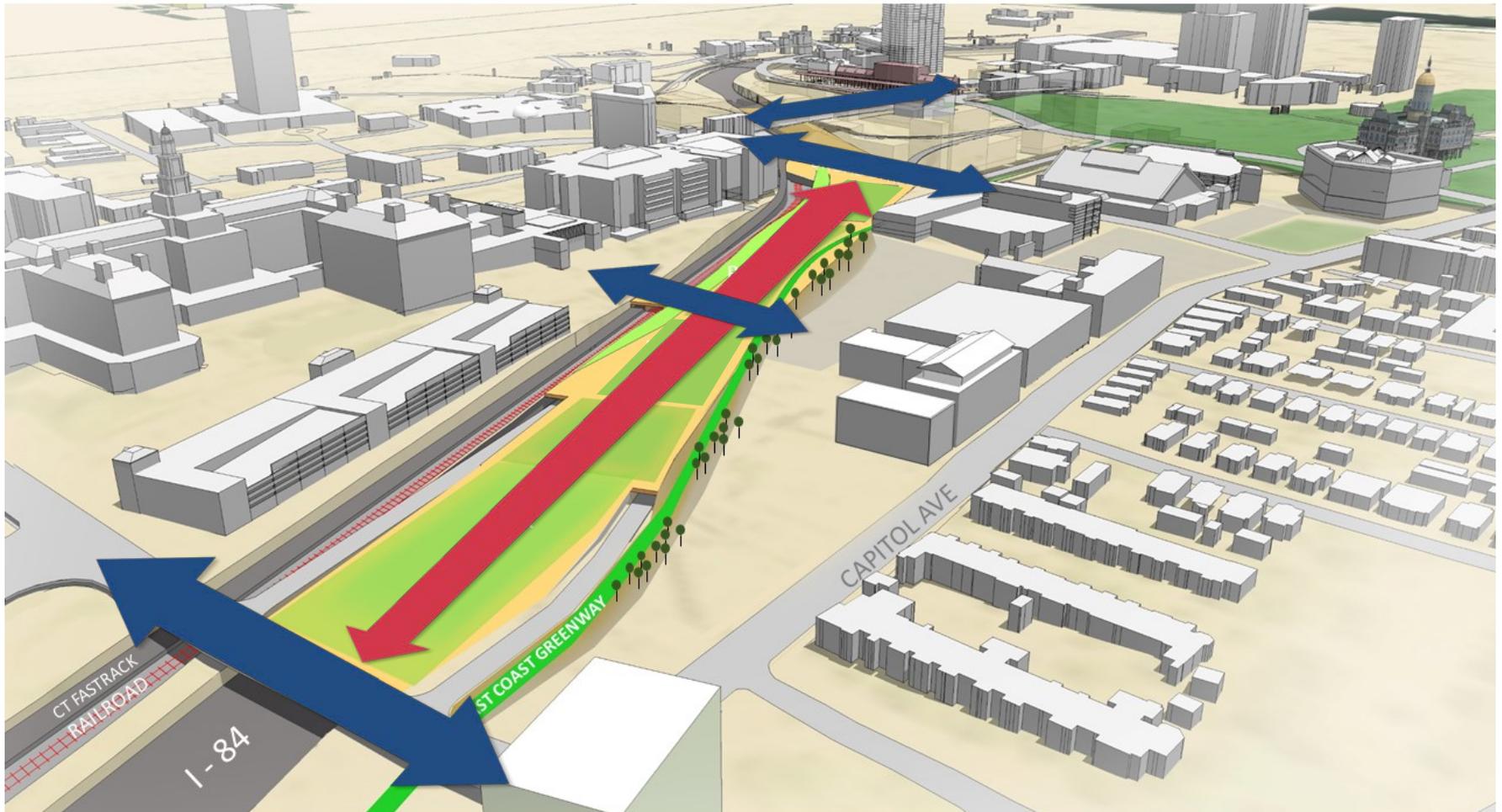


I-84 between Broad and Sigourney Capping with Potential Available Land





I-84 between Broad and Sigourney Connectivity Benefits



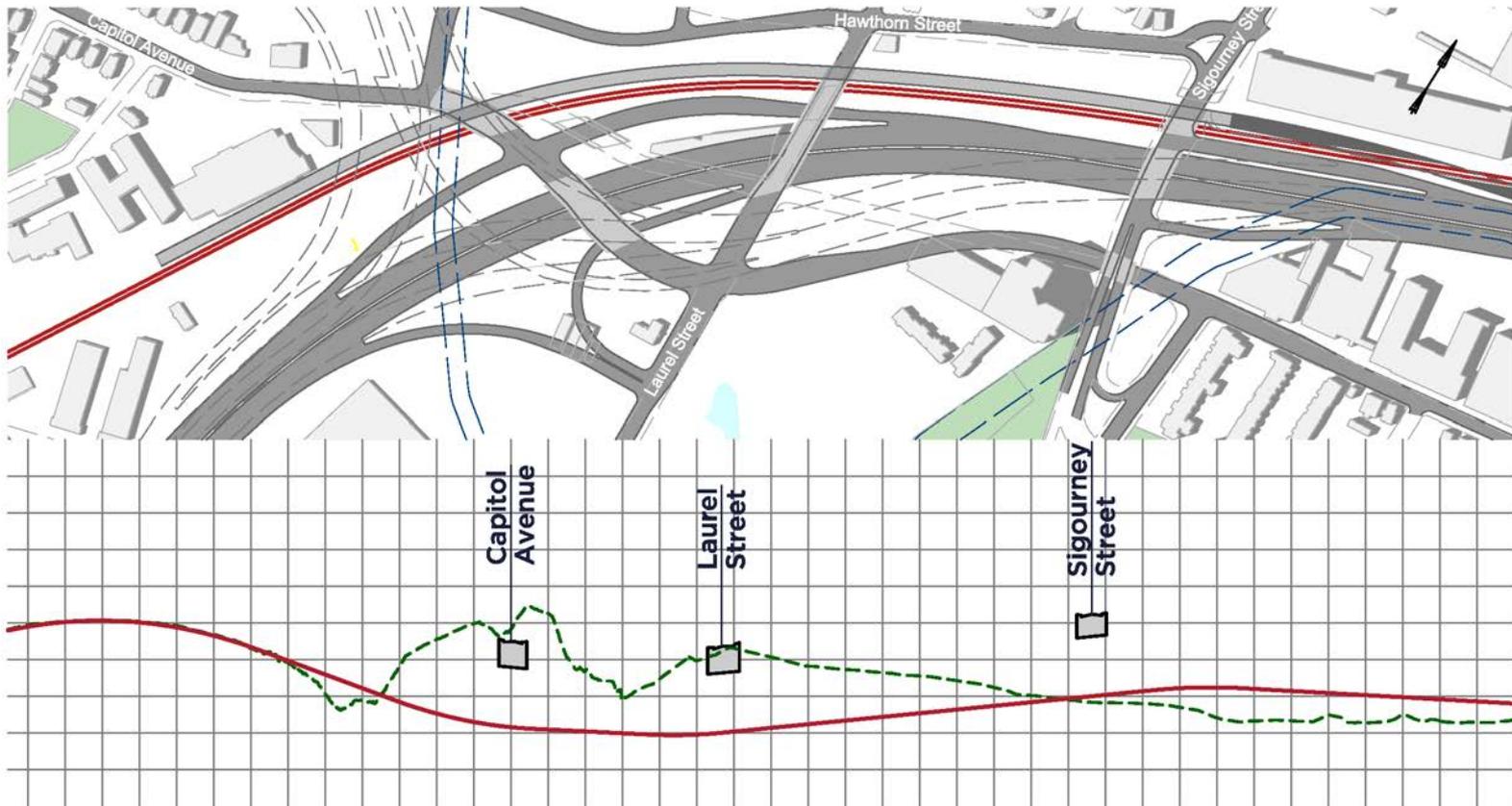


I-84 between Broad and Sigourney Capping

- **Benefits**
 - Screens highway
 - Open space and parking potential
- **Challenges**
 - Cost
 - Park River conduit is a constraint
 - No additional developable land created
 - Does not create increase connectivity beyond Broad Street, Greenway, and Sigourney links



I-84 between Sigourney and Capitol Base Lowered Highway

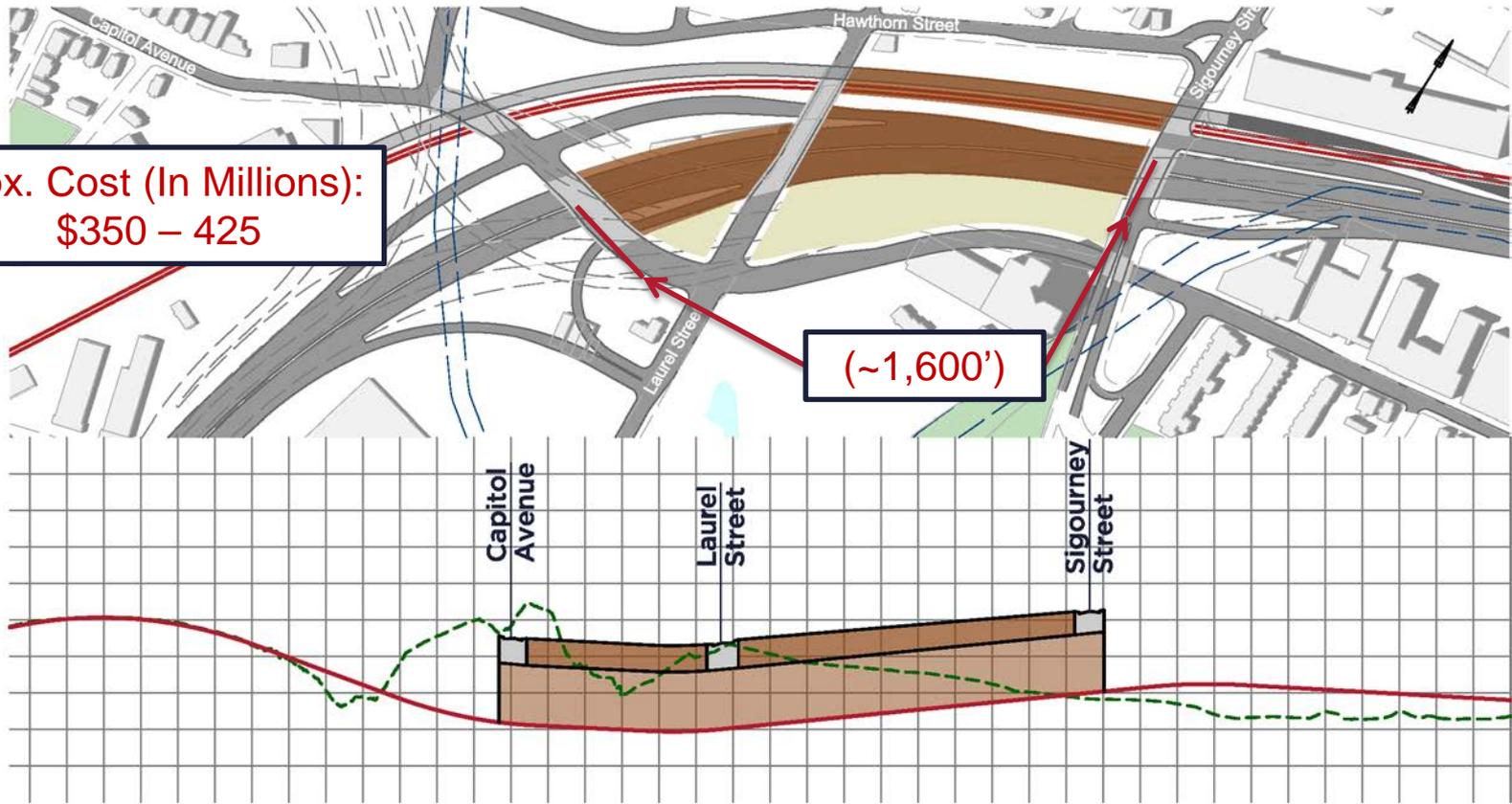




I-84 between Sigourney and Capitol Capping

Apx. Cost (In Millions):
\$350 – 425

(~1,600')





I-84 between Sigourney and Capitol Capping

- **Benefits**
 - Screens highway
 - Open space potential
- **Challenges**
 - Cost
 - Park River conduit is a constraint
 - Does not create additional developable land
 - Does not create increased connectivity due to CTfastrak and rail line barriers



I-84 Corridor Estimated capping costs

- Asylum to Broad 950 ft. (6.2 ac.) \$325-400M
- Asylum to Sigourney 3,000 ft (15.4 ac.) \$1.4 to 1.7B
- Sigourney to Capitol 1,600 ft (7.0 ac.) \$350-425M

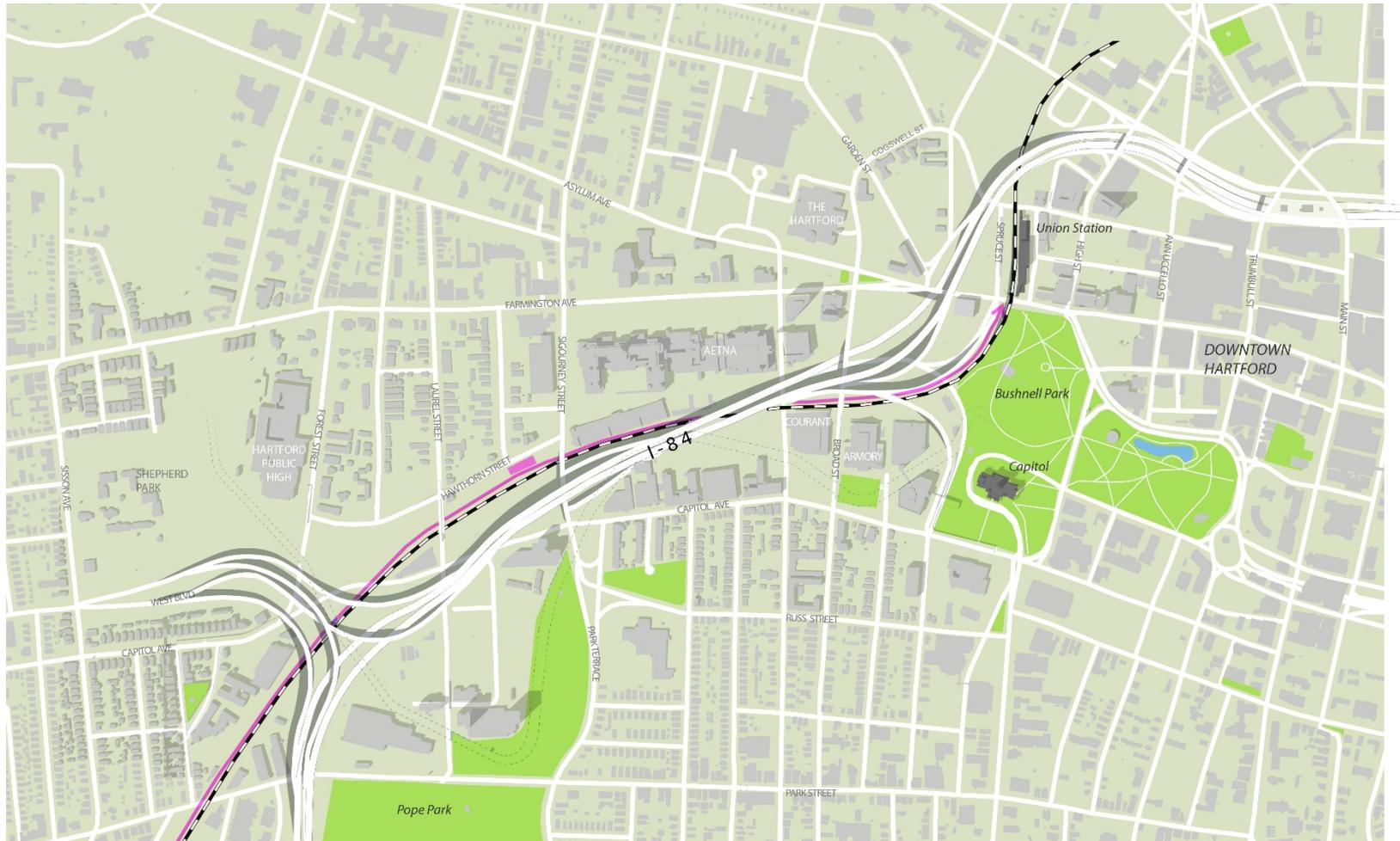


Corridor Analysis





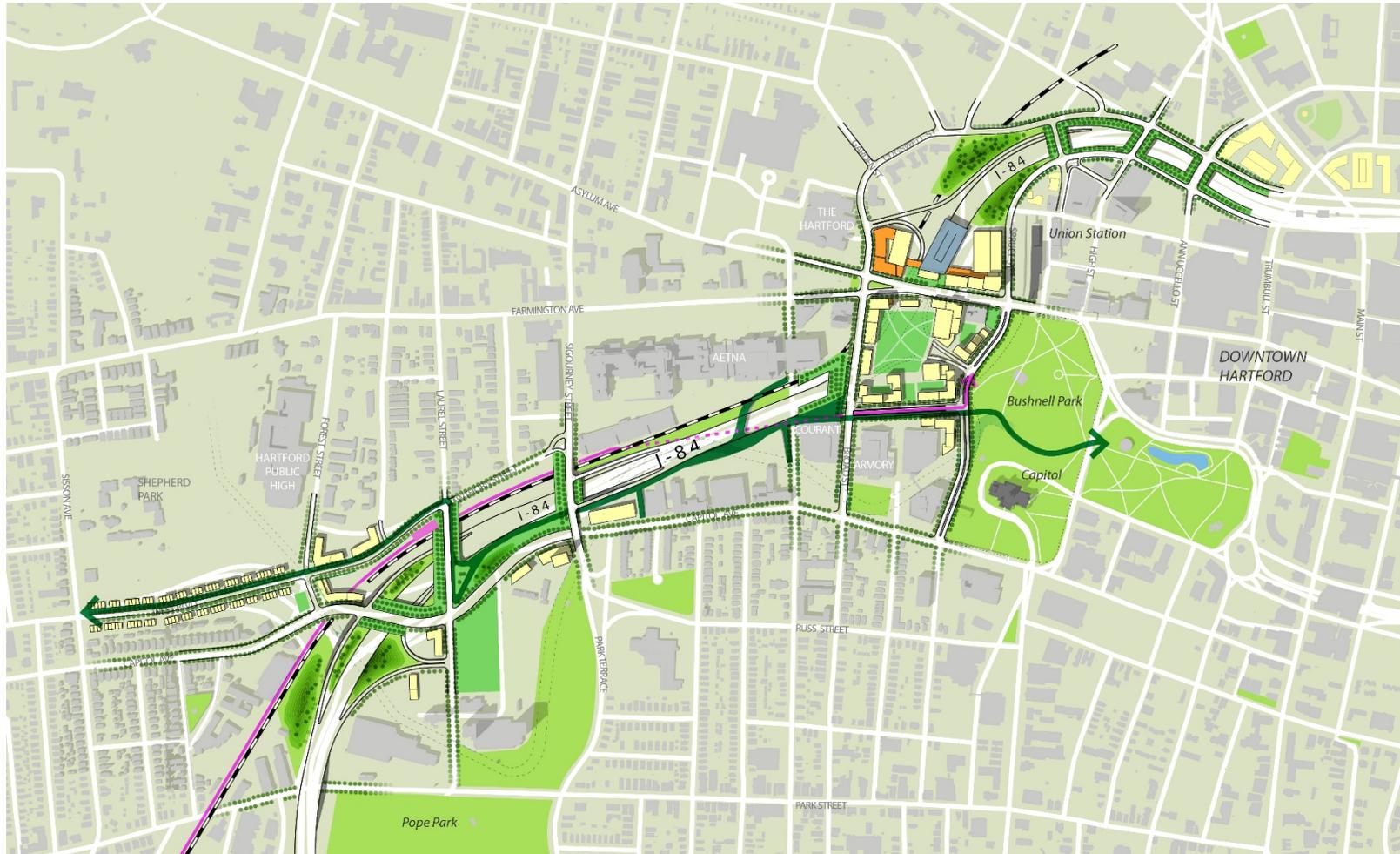
I-84 Corridor Existing conditions





I-84 Corridor

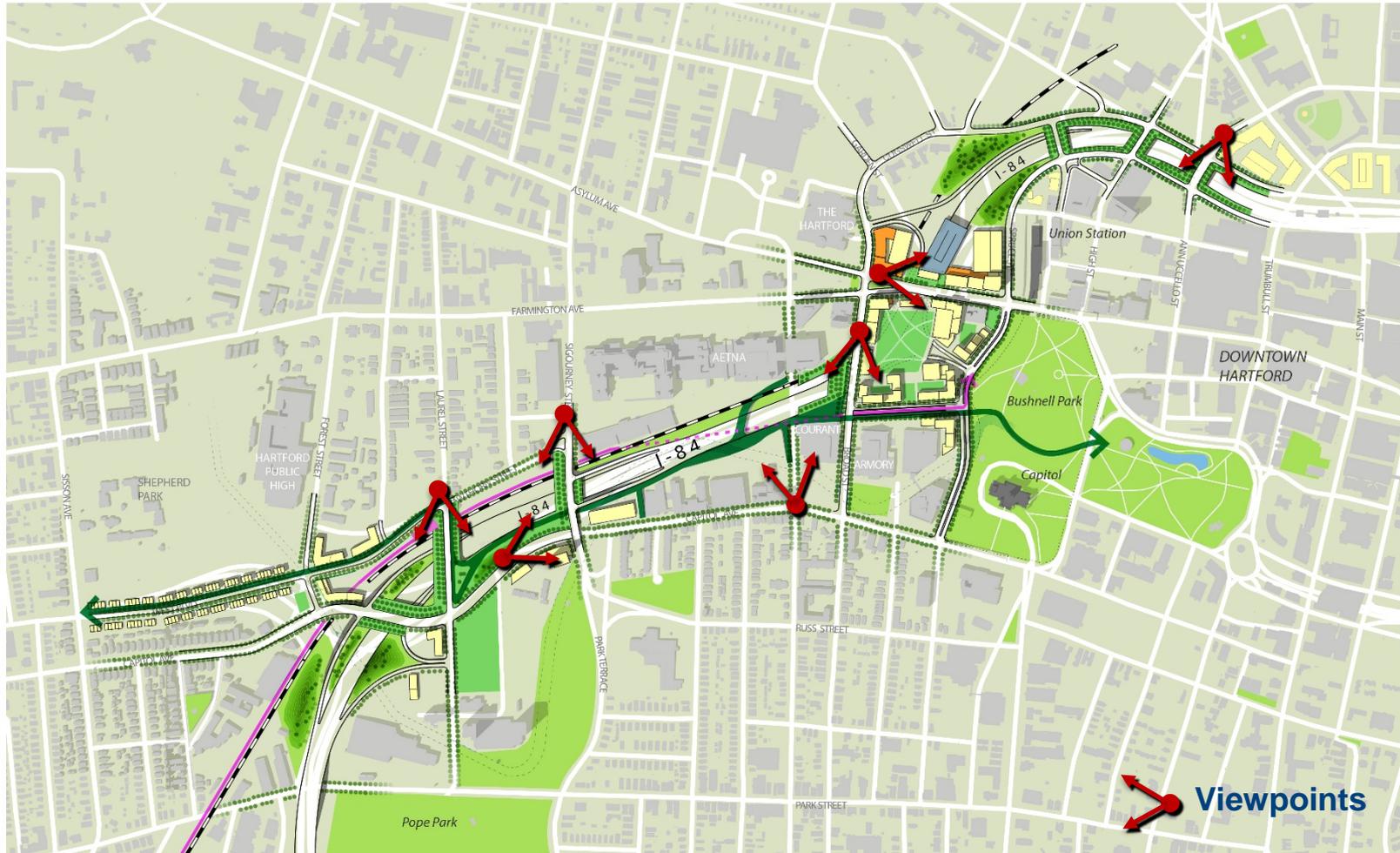
Integrating the lowered highway into the city





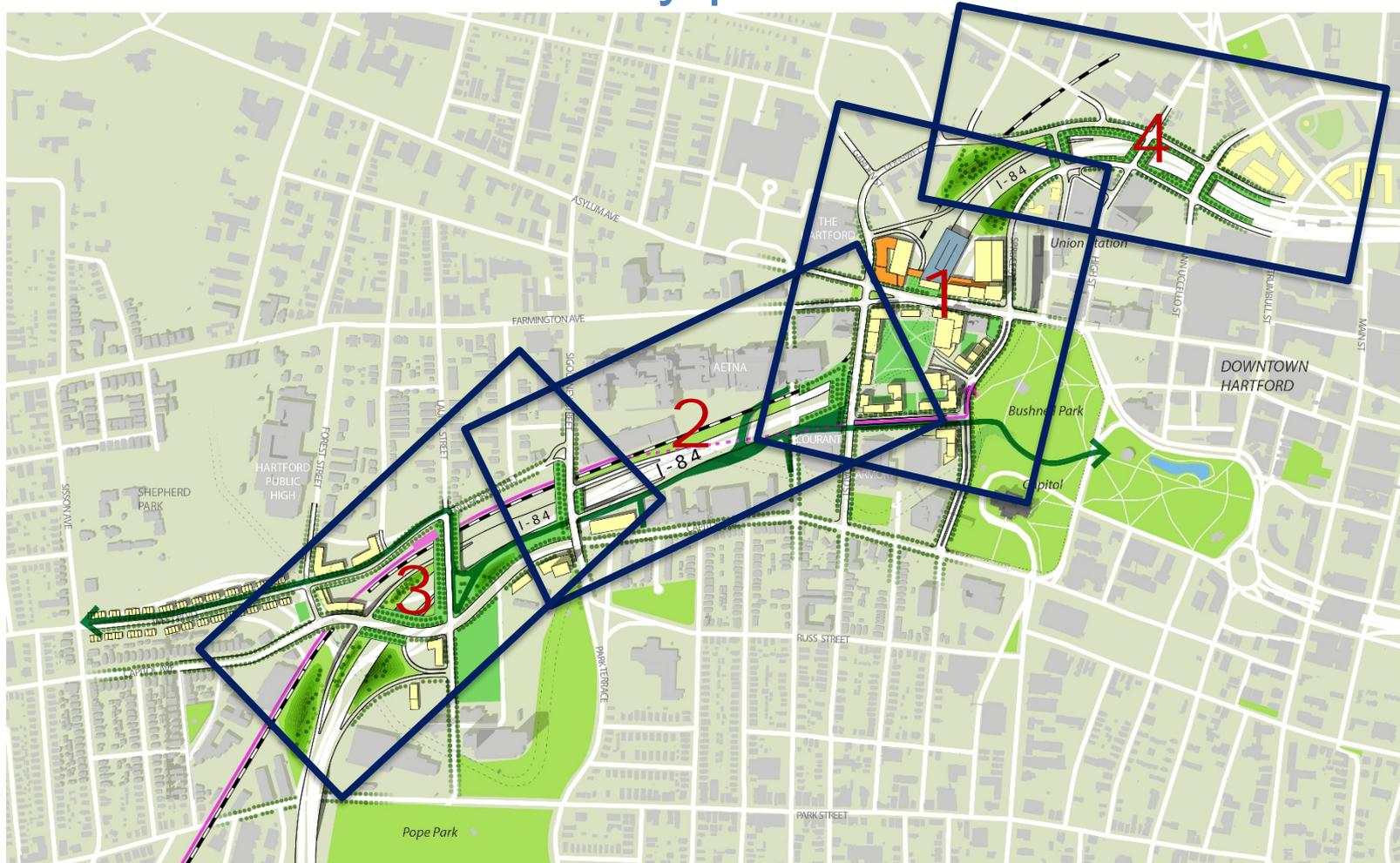
I-84 Corridor

Integrating the lowered highway into the city



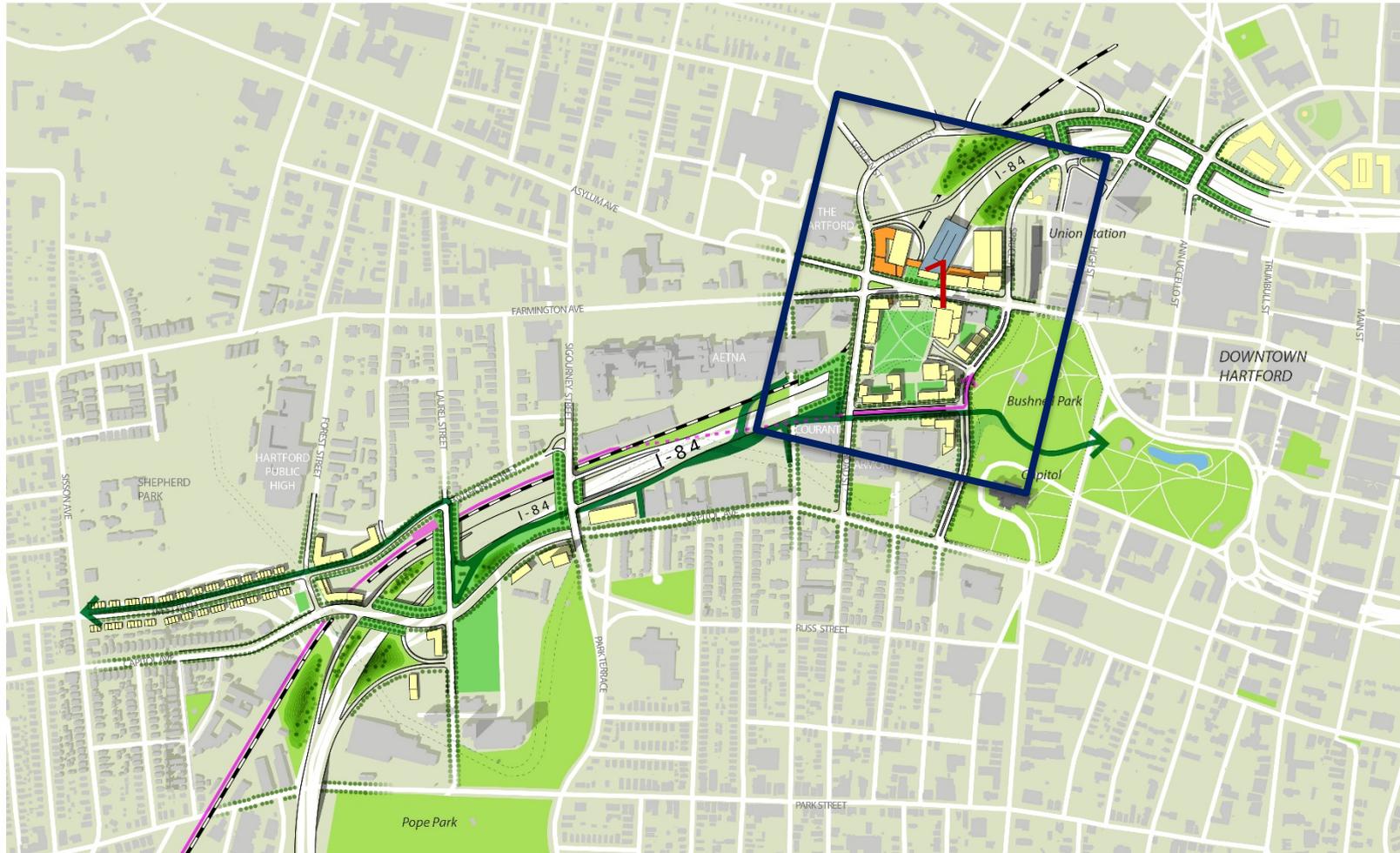


I-84 Corridor Key plan





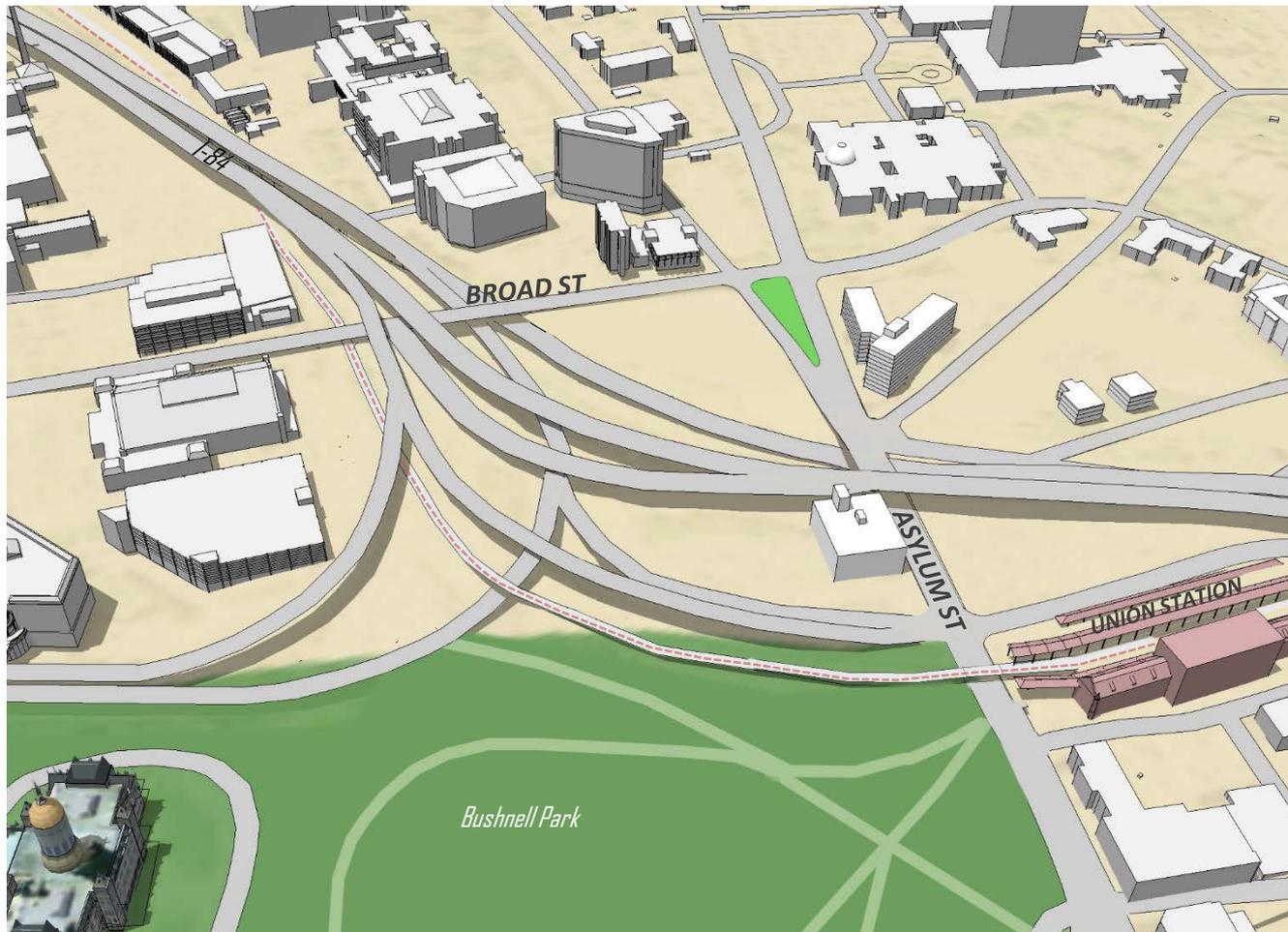
I-84 Corridor Key plan





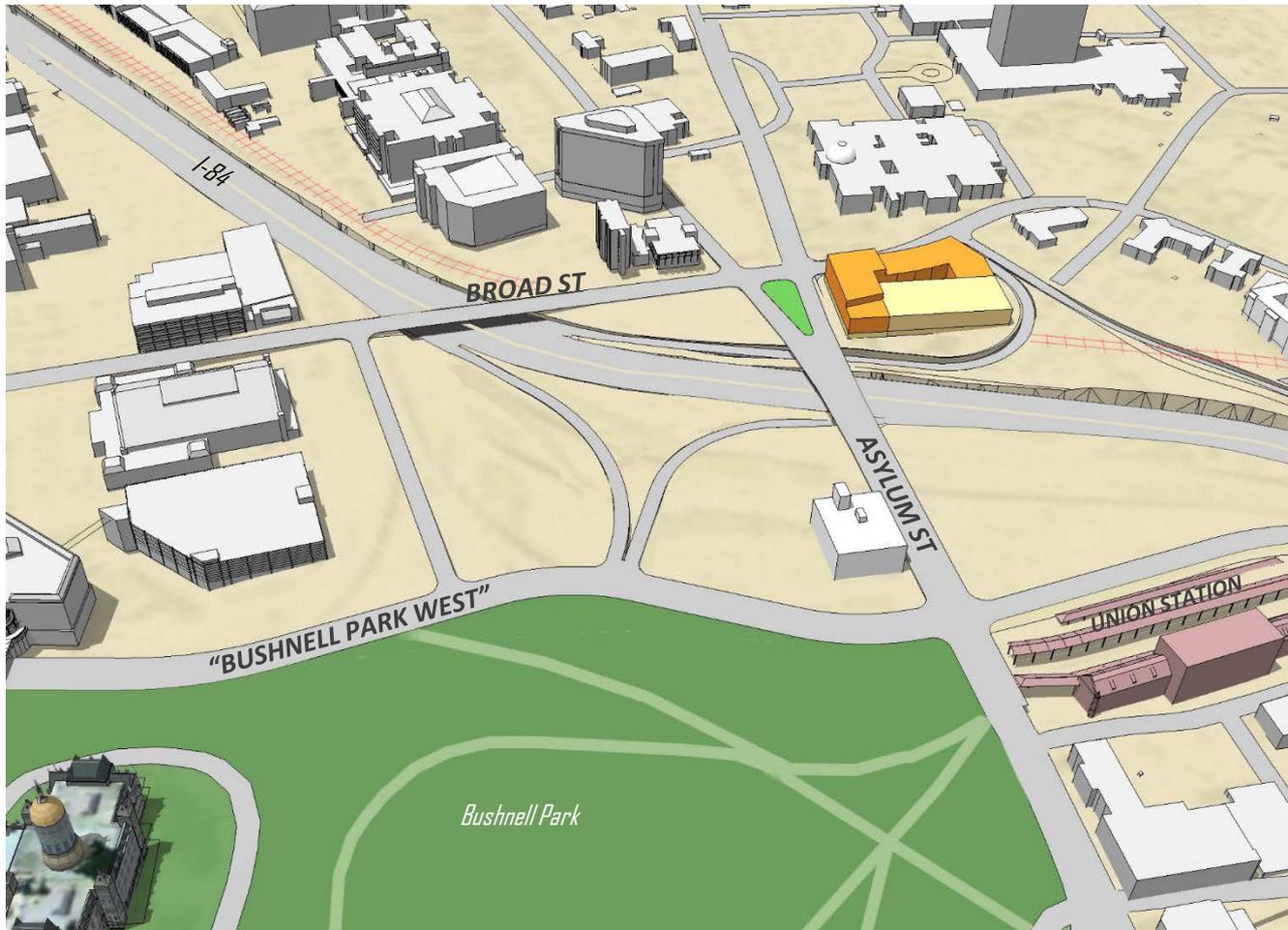
I-84 between Broad and Asylum

Existing Conditions



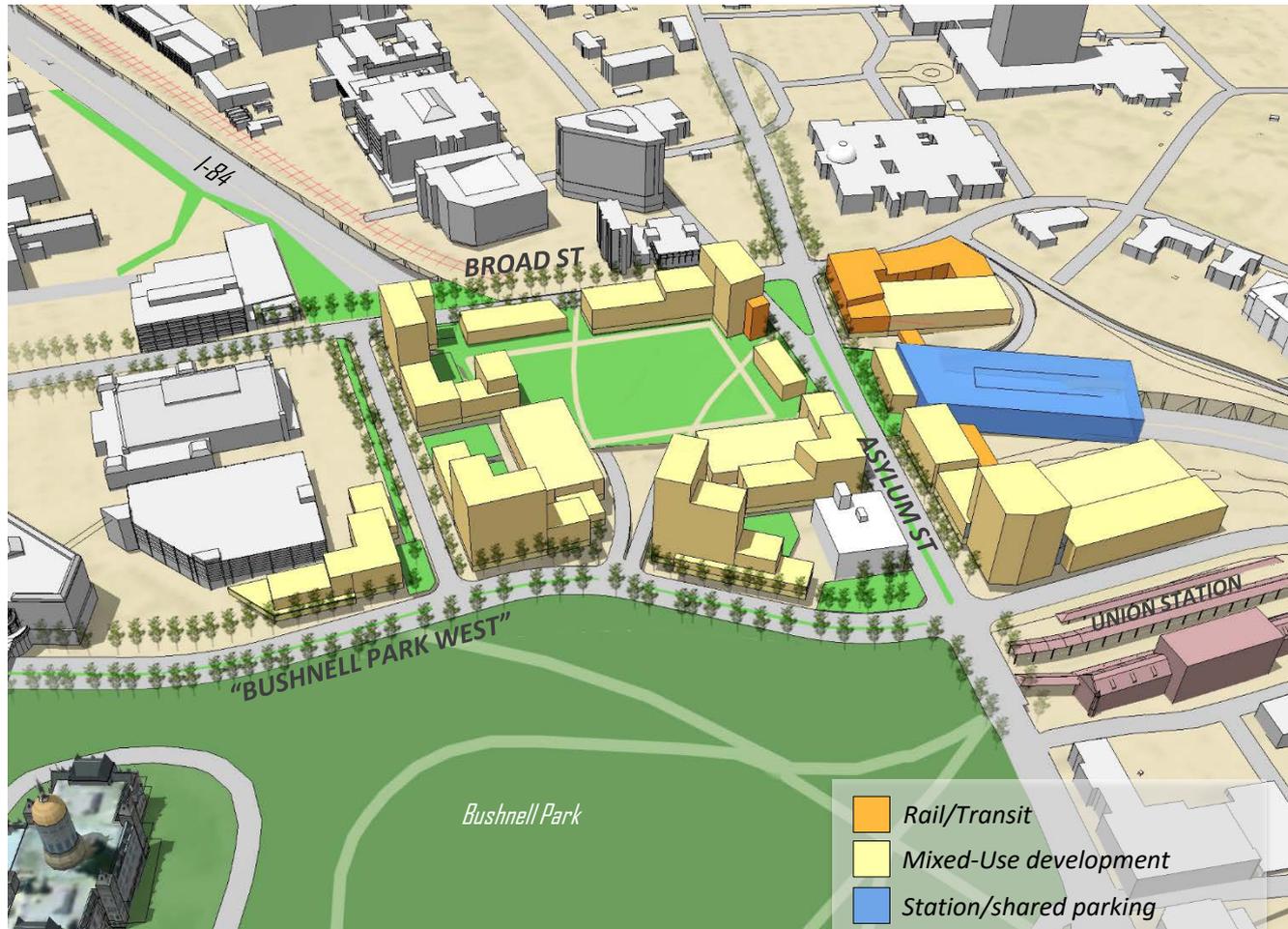


I-84 between Broad and Asylum Basic Improvements



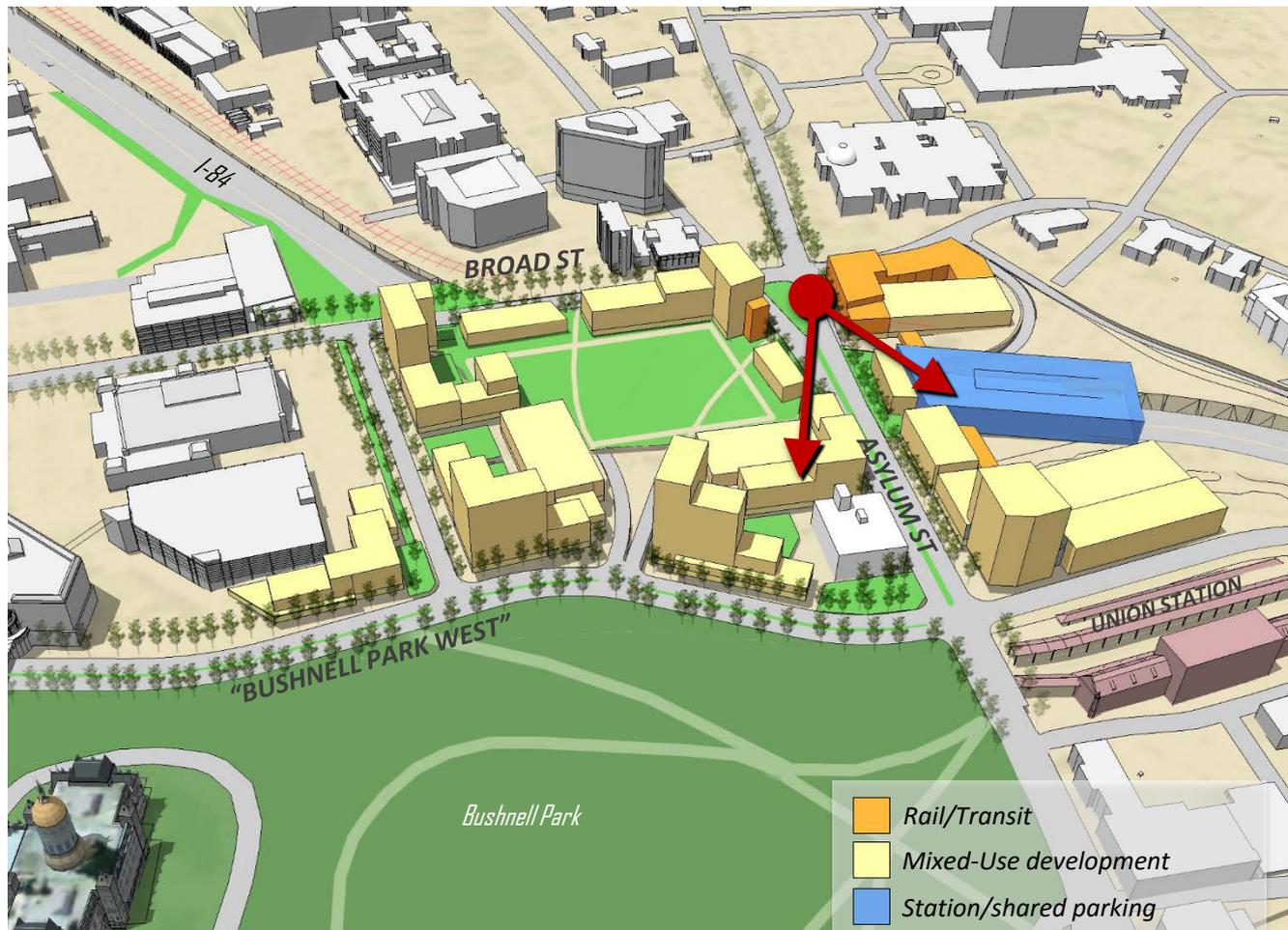


I-84 between Broad and Asylum Enhanced Improvements





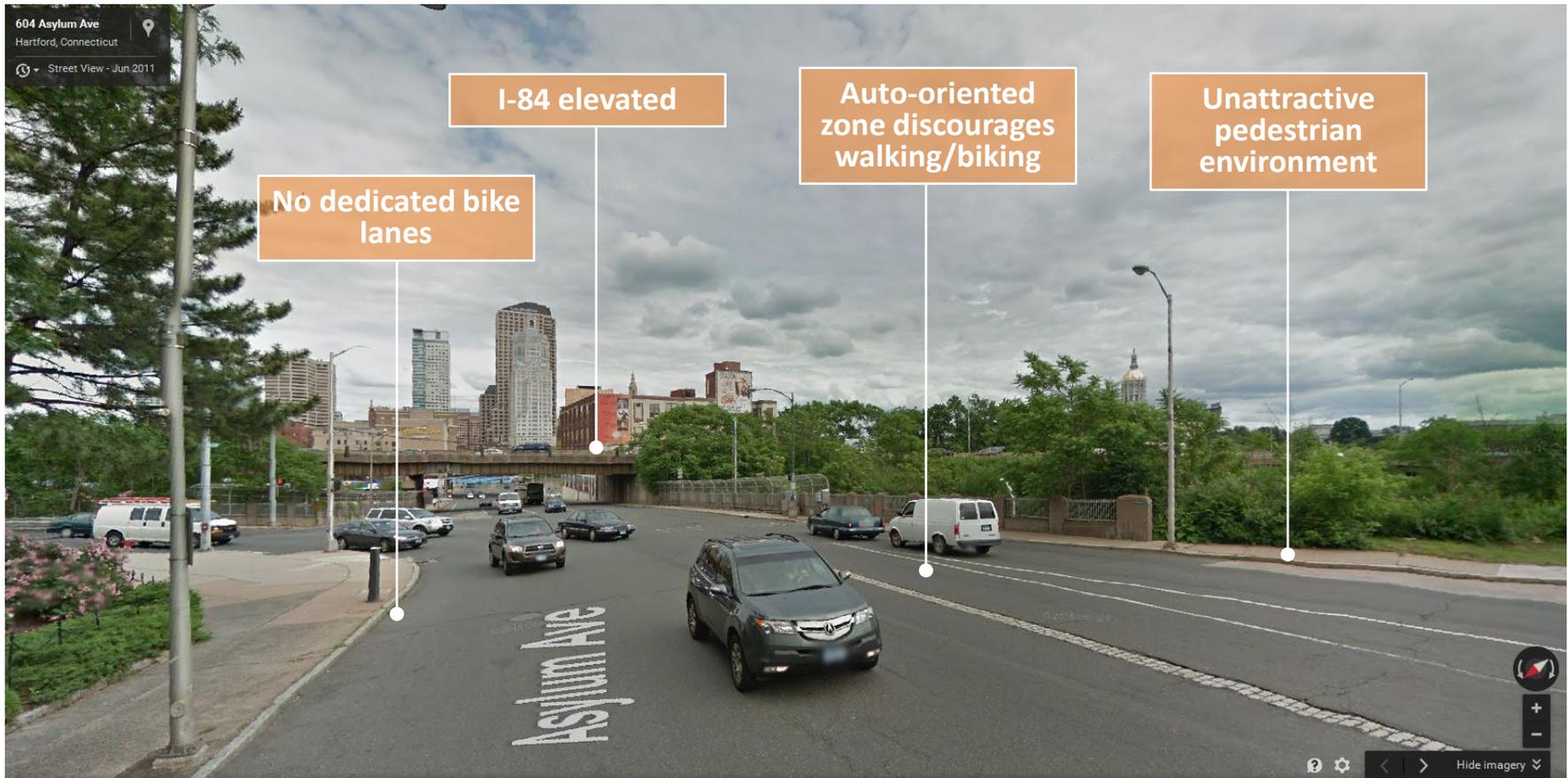
I-84 between Broad and Asylum Enhanced Improvements





I-84 between Broad and Asylum

Existing view on Asylum Street





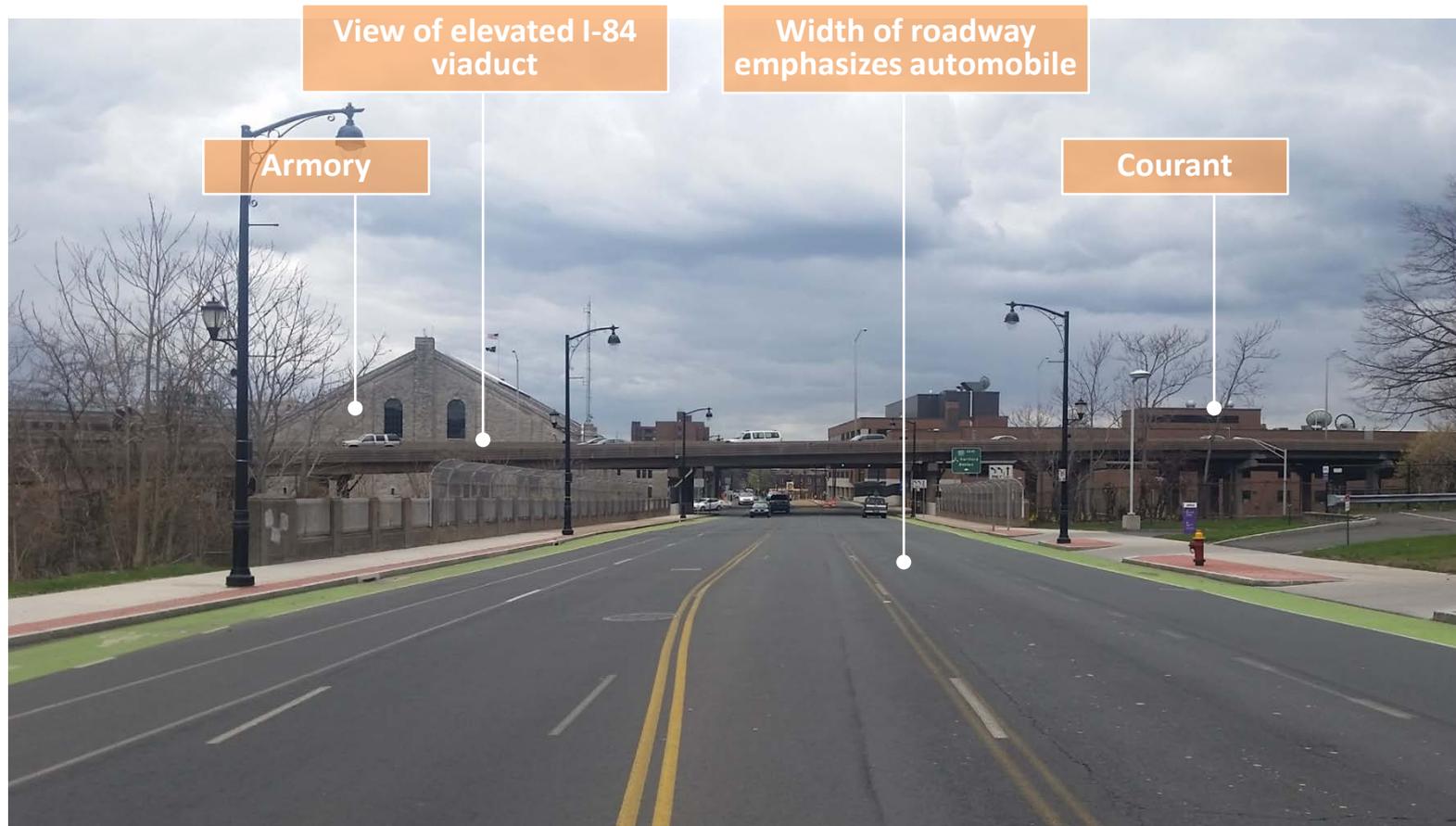
I-84 between Broad and Asylum

Potential view on Asylum Street





Broad Street looking south Existing



View of elevated I-84 viaduct

Width of roadway emphasizes automobile

Armory

Courant



Broad Street looking south Potential

Dedicated bike lanes

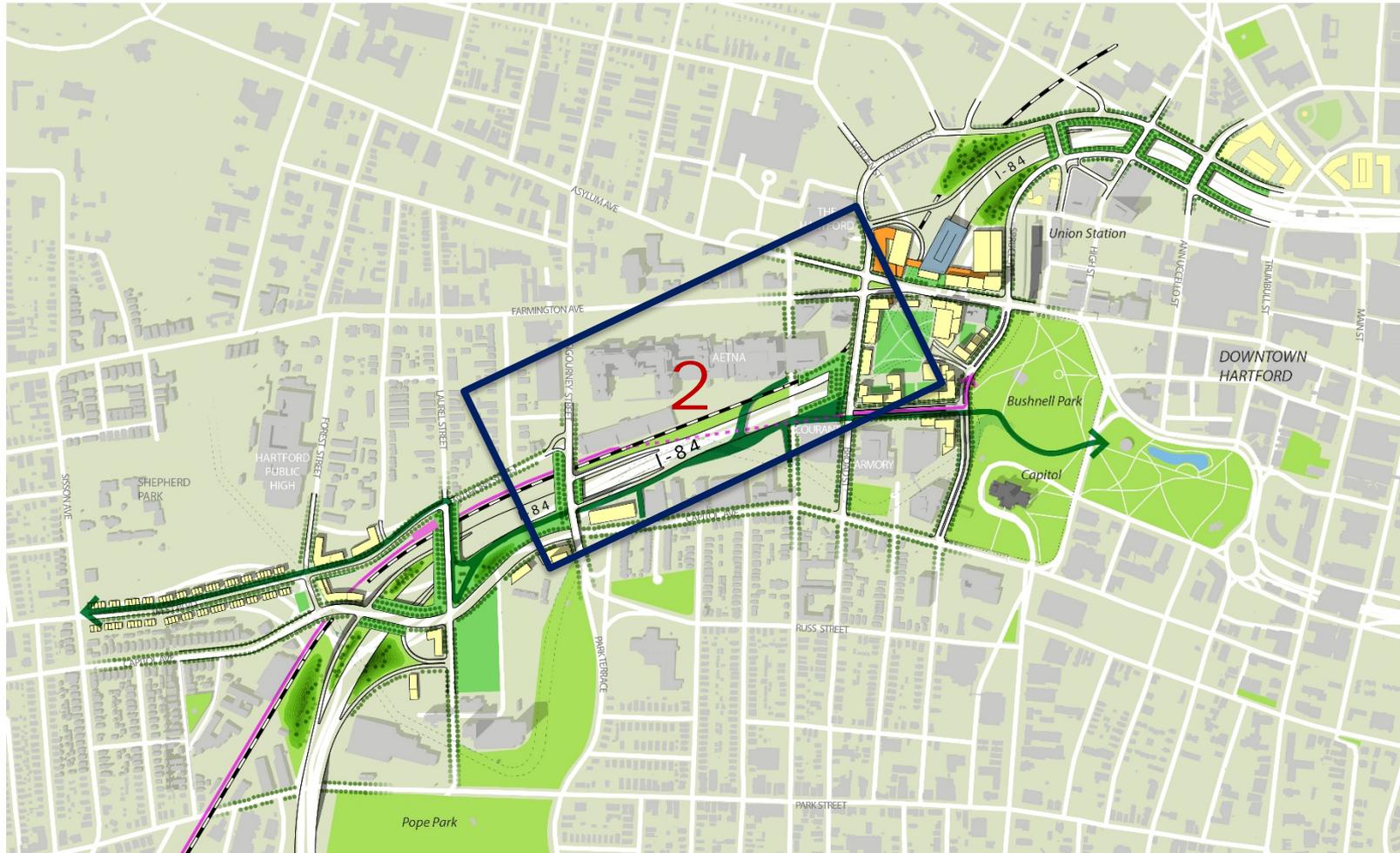
Access to multi-use
greenway

Expanded deck/plaza
over lowered I-84





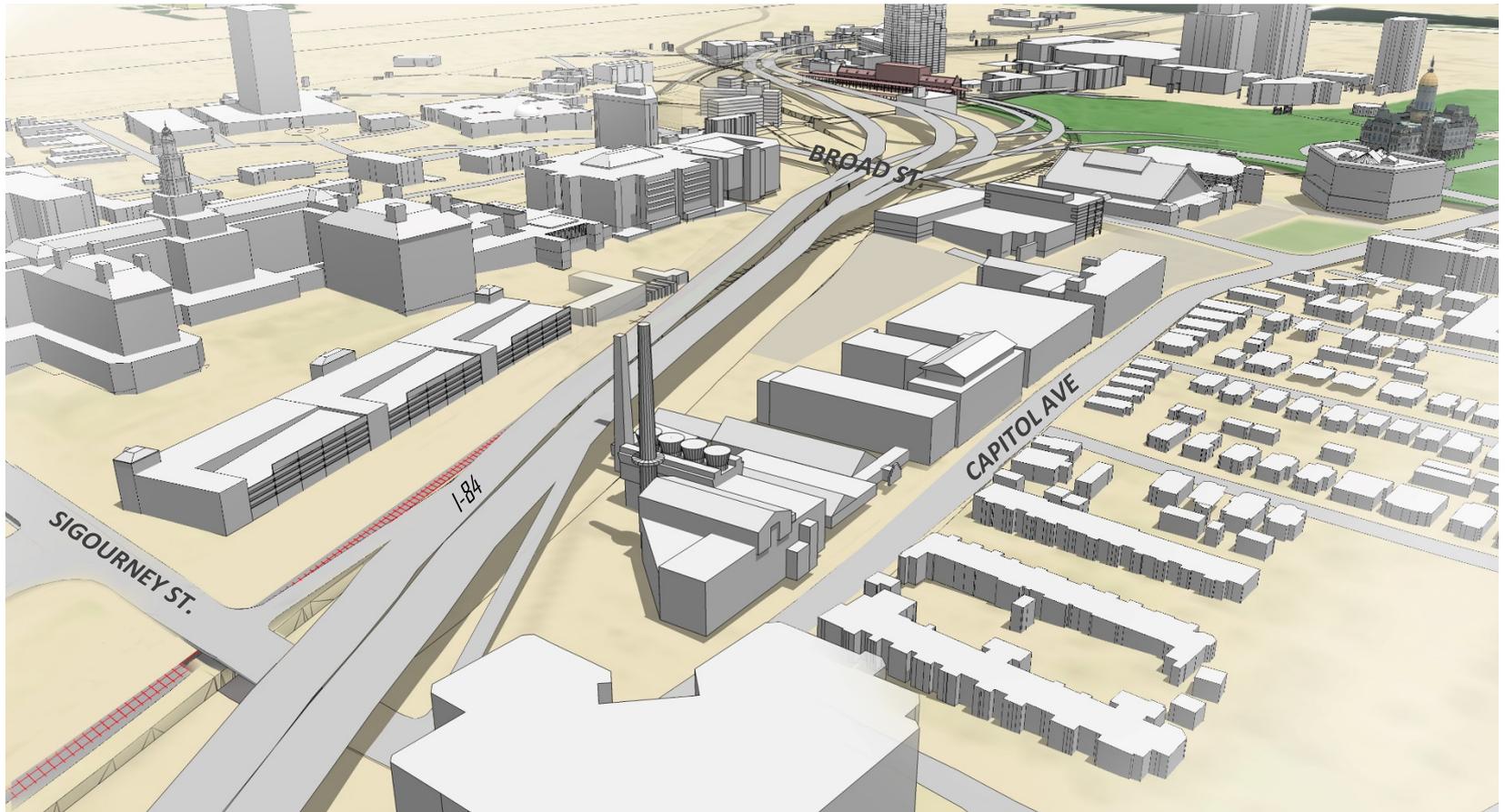
I-84 between Broad and Sigourney





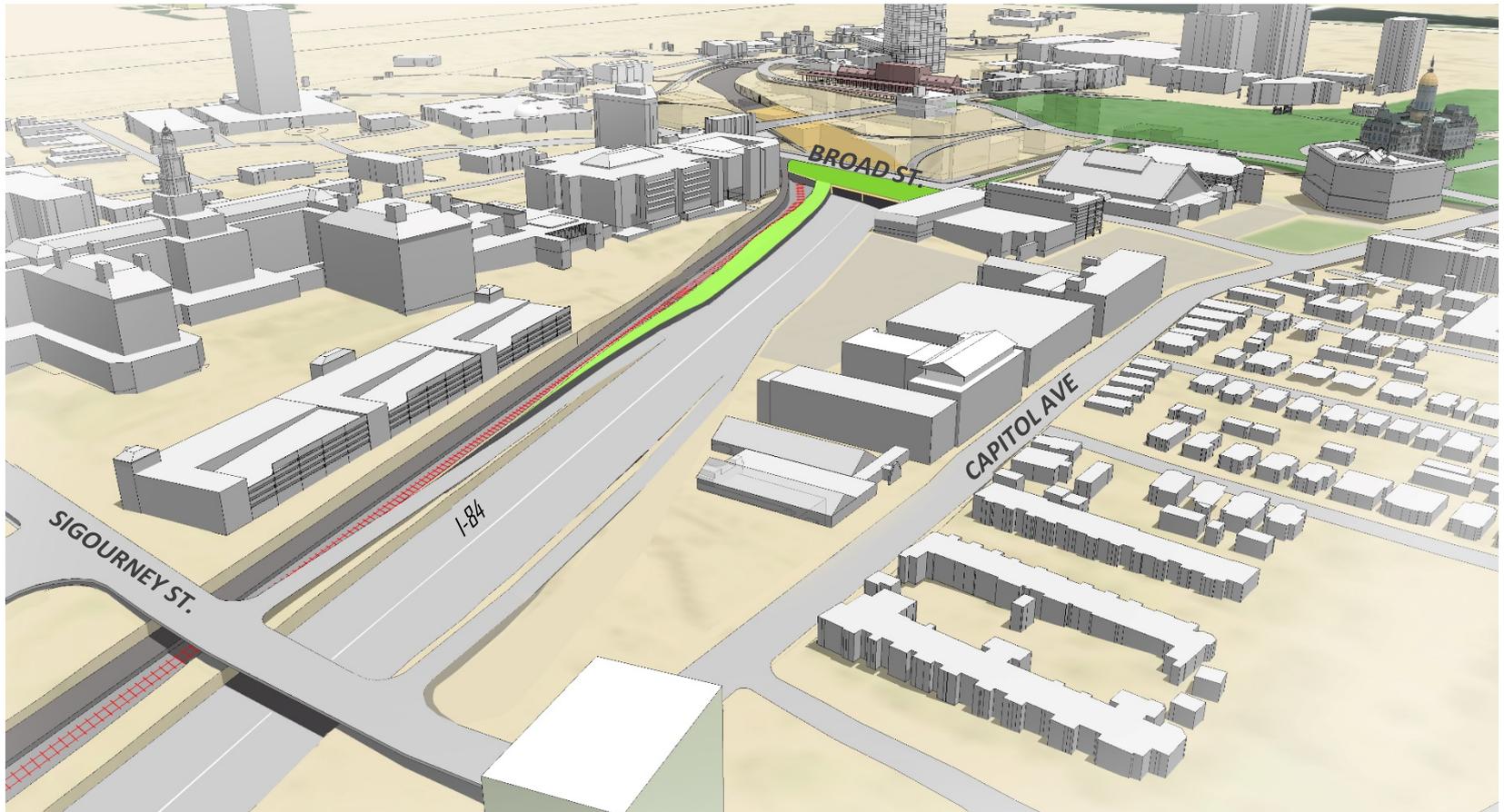
I-84 between Broad and Sigourney

Existing conditions



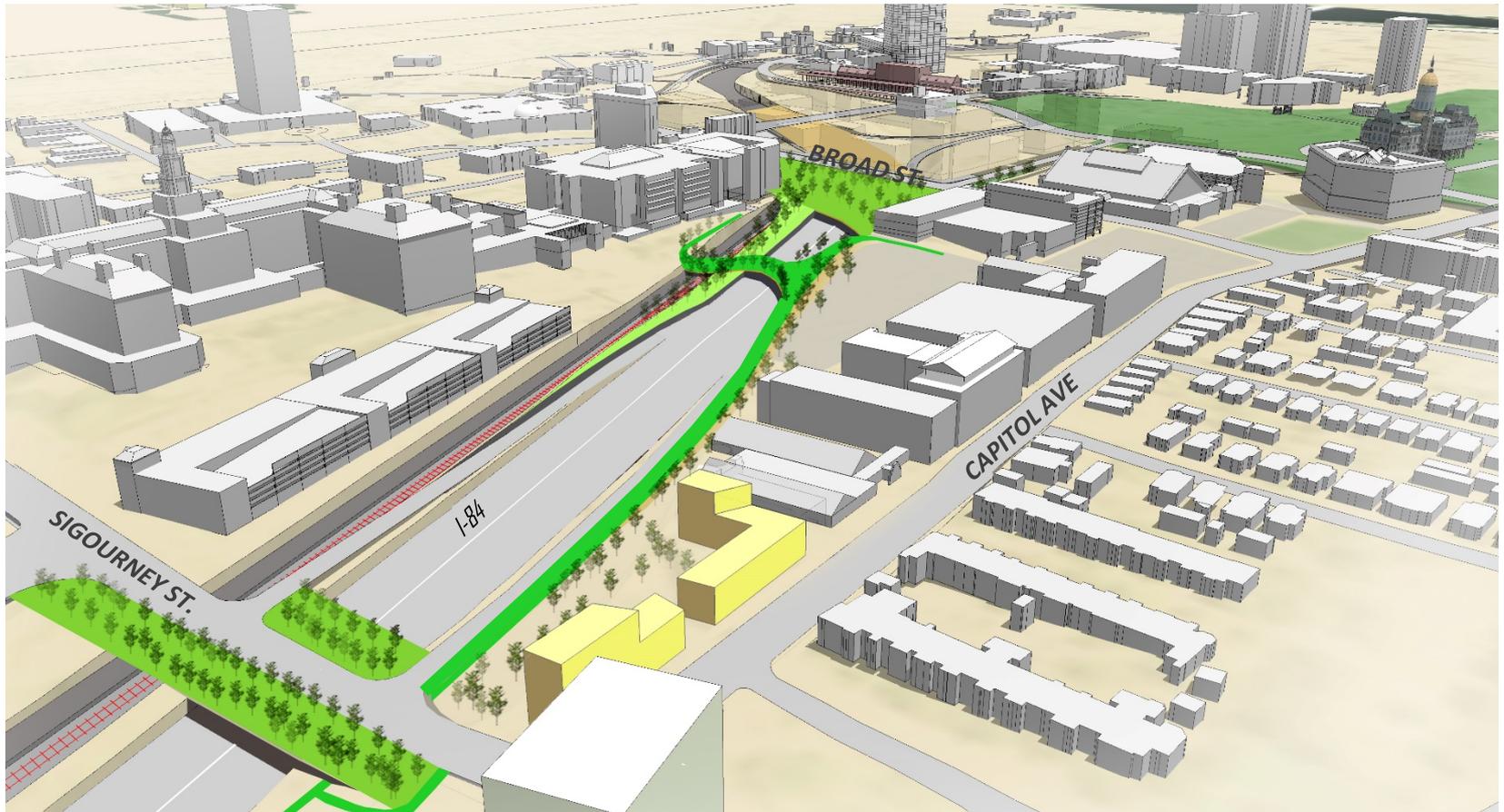


I-84 between Broad and Sigourney Basic Improvements





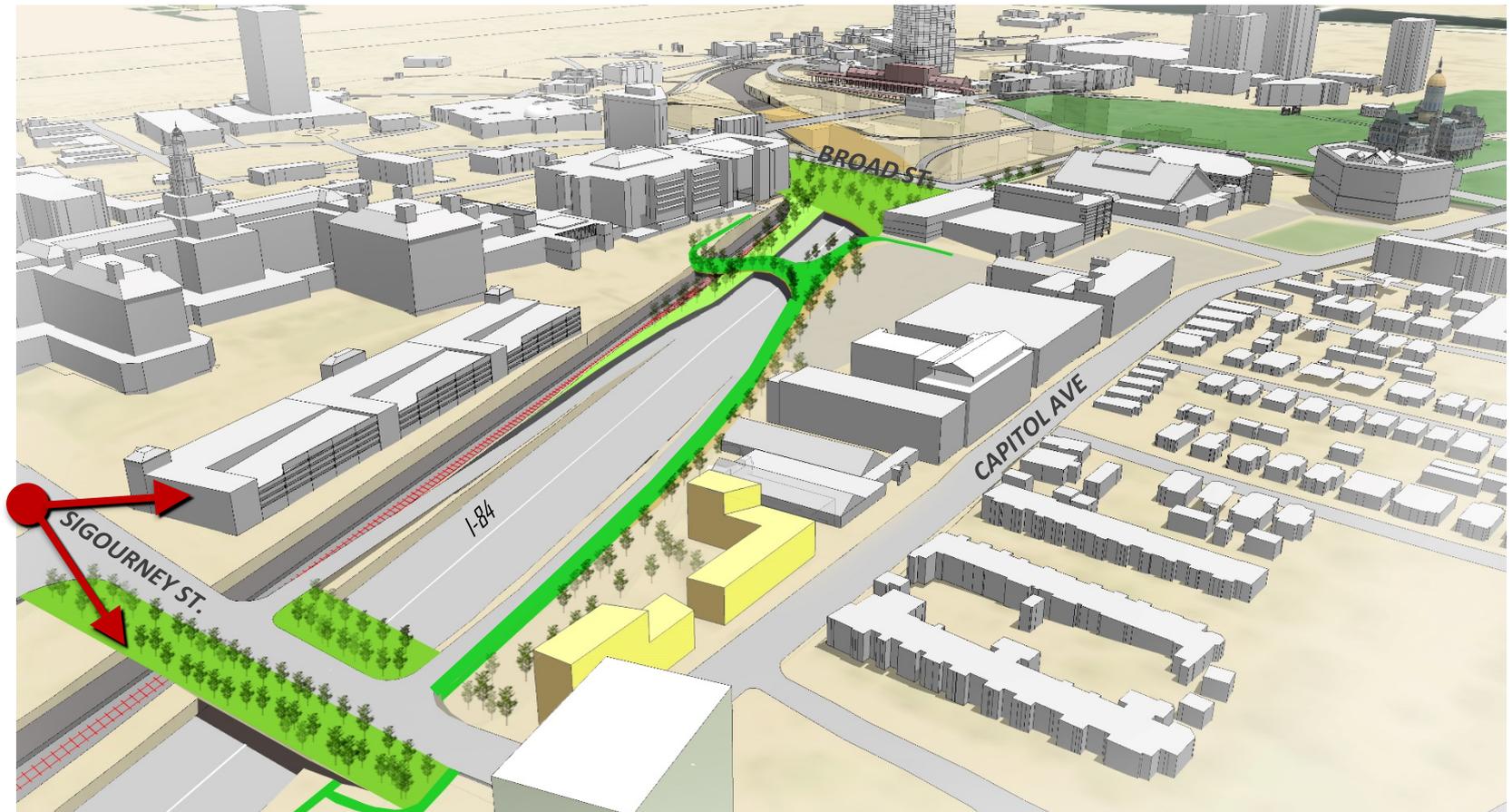
I-84 between Broad and Sigourney Enhanced Improvements





I-84 between Broad and Sigourney

View from Sigourney Street





Sigourney Street looking towards I-84 Existing

Elevated I-84 viaduct

Limited sidewalk
space/no bike lanes

Elevated I-84 viaduct





Sigourney Street looking towards I-84 Potential



Dedicated bike
lane/cycle track

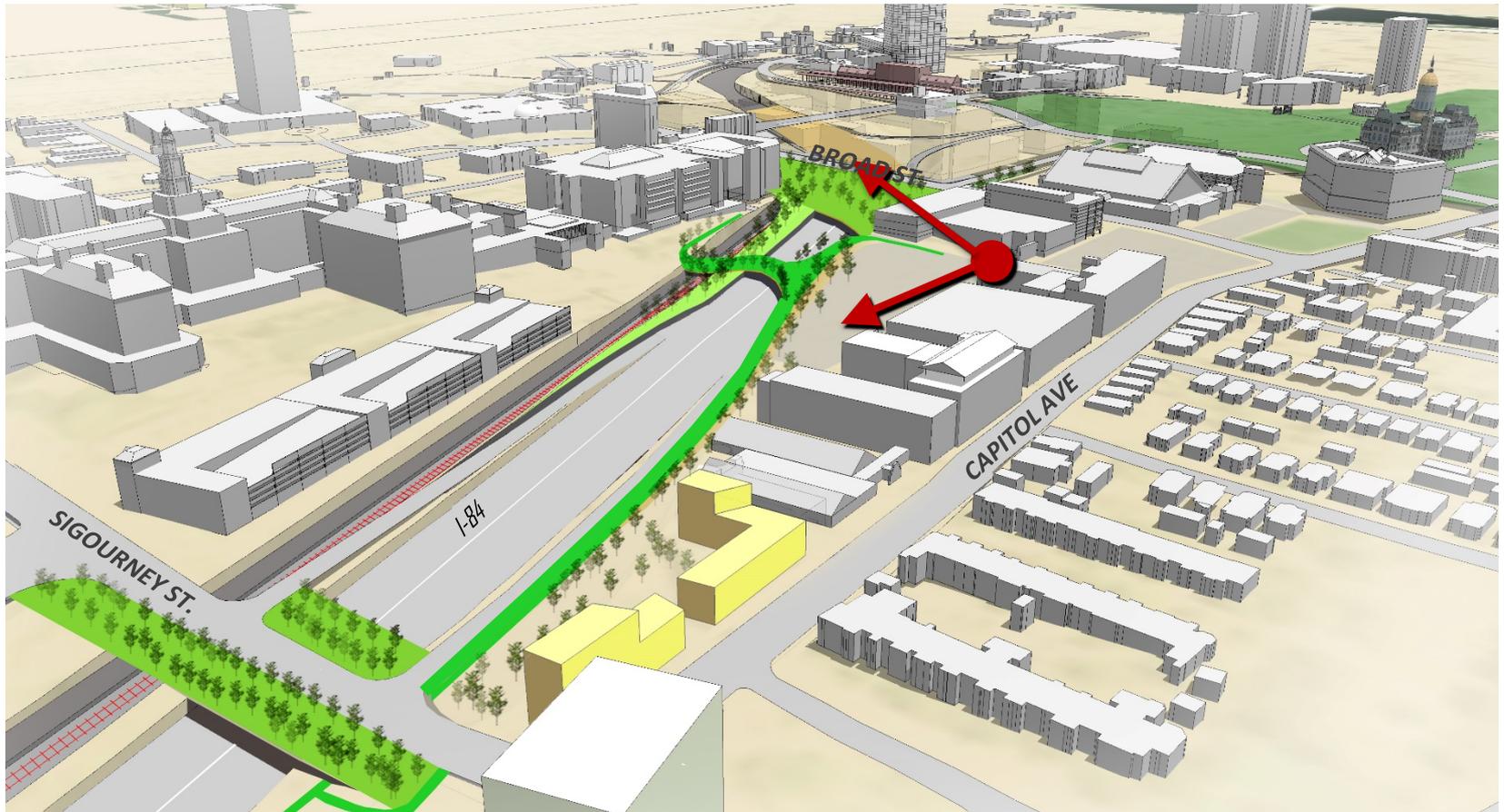
Landscape area on
expanded deck

Screening wall to
block view of I-84



I-84 between Broad and Sigourney

View from Flower Street





View from Flower Street towards I-84

Existing conditions



Aetna

Elevated I-84
viaduct

Flower St





View from Flower Street towards I-84 Lowered Highway Alternative

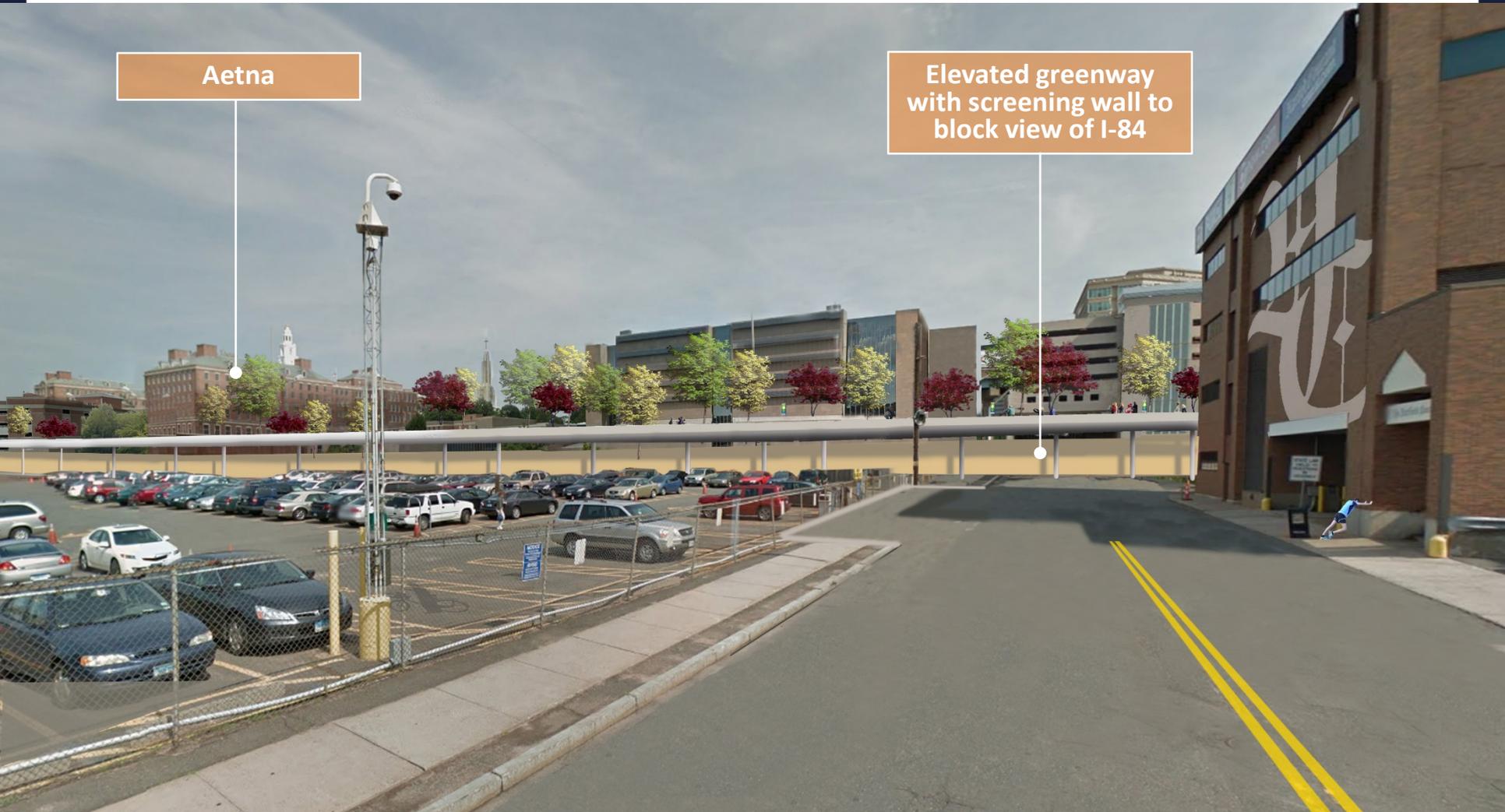


Aetna

Lowered I-84 with
rail behind



View from Flower Street towards I-84 With elevated greenway and barrier wall



Aetna

Elevated greenway
with screening wall to
block view of I-84



View from Flower Street towards I-84

With greenway, barrier wall, landscape, and ramp



Aetna

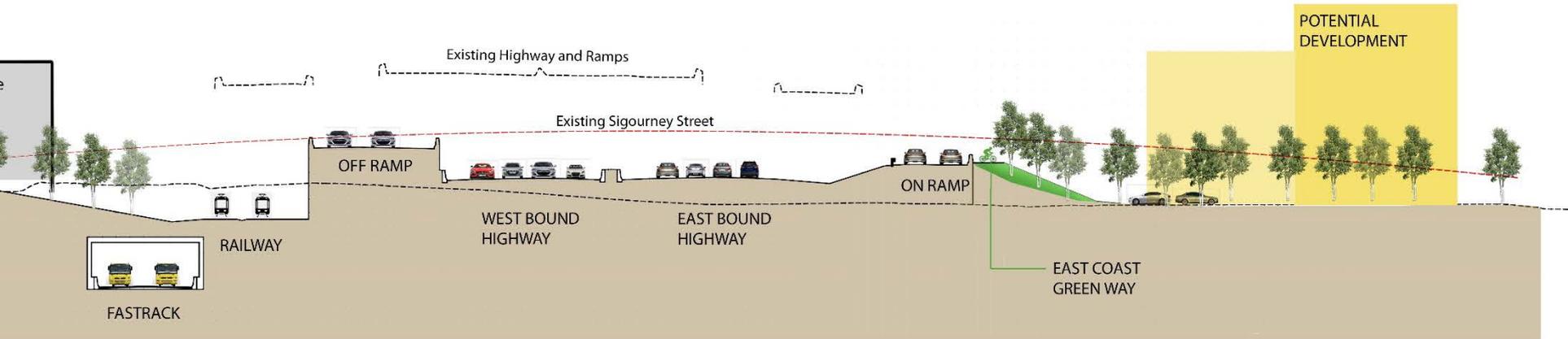
Ramp to greenway

Elevated greenway, screening wall, and landscape





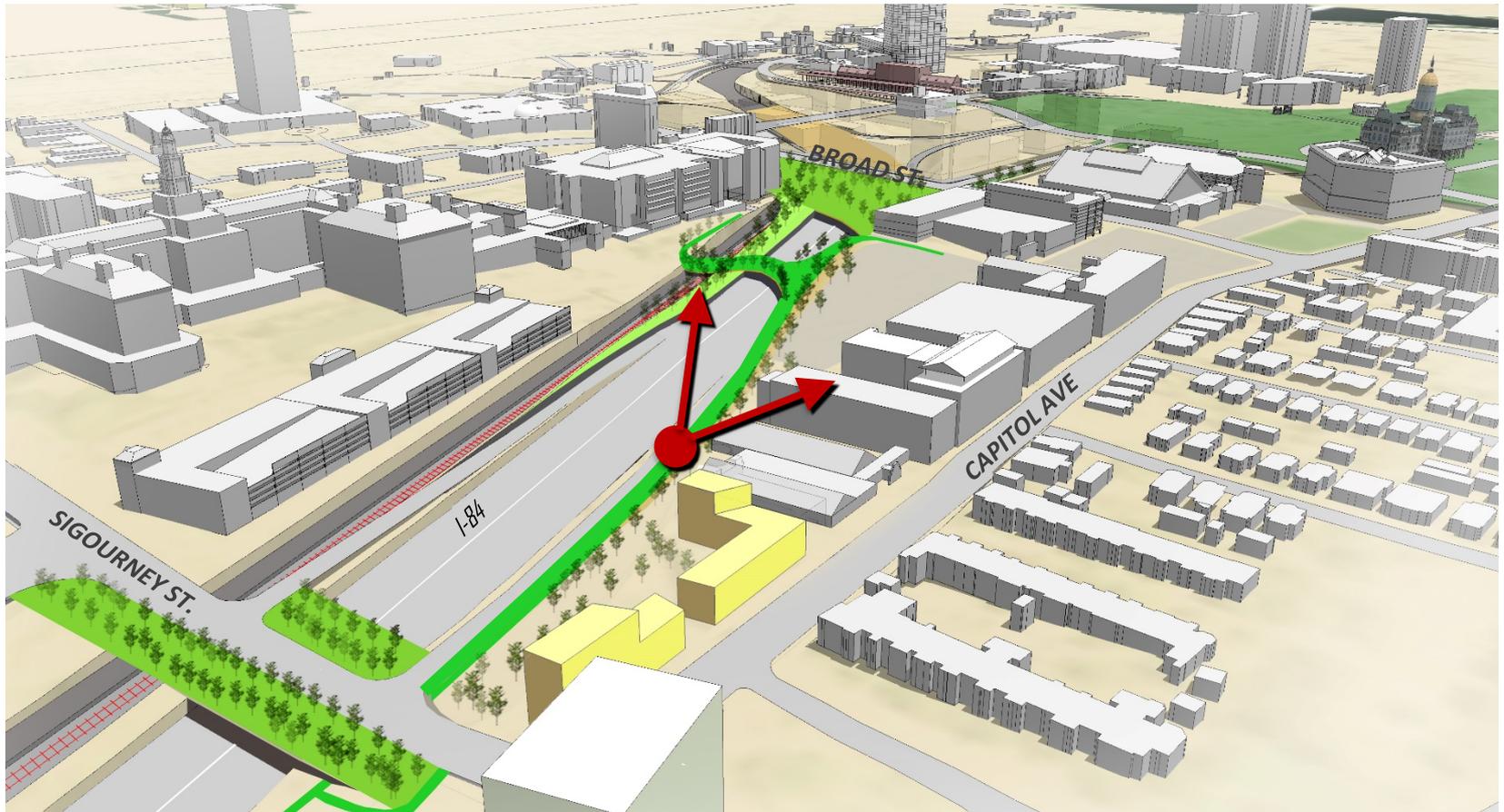
I-84 HARTFORD PROJECT





I-84 between Broad and Sigourney

View on elevated Greenway





On the Multi-use Greenway

Potential character



Lowered I-84

Screening wall

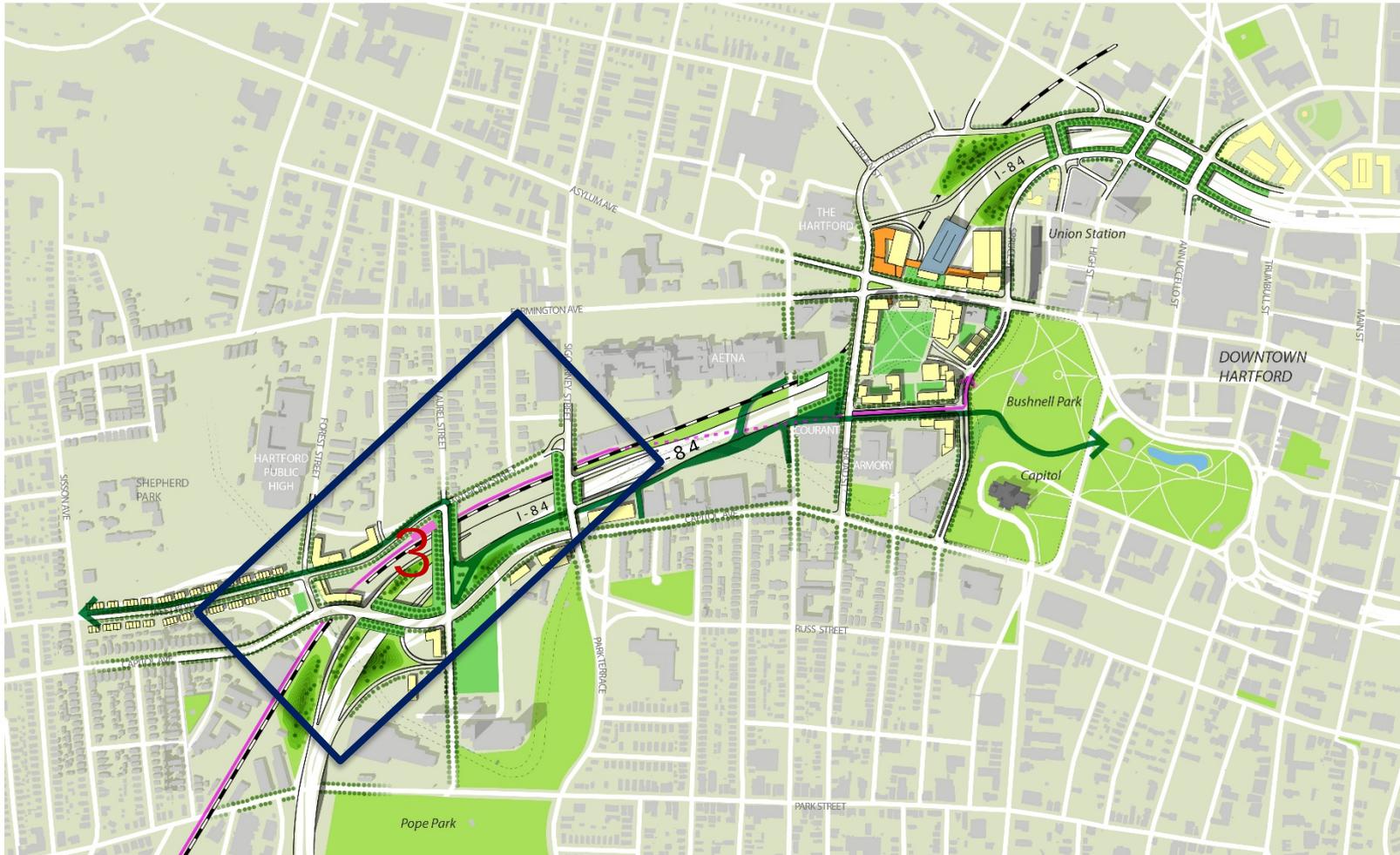
TOD between
Broad and Asylum

Travelers

Capitol

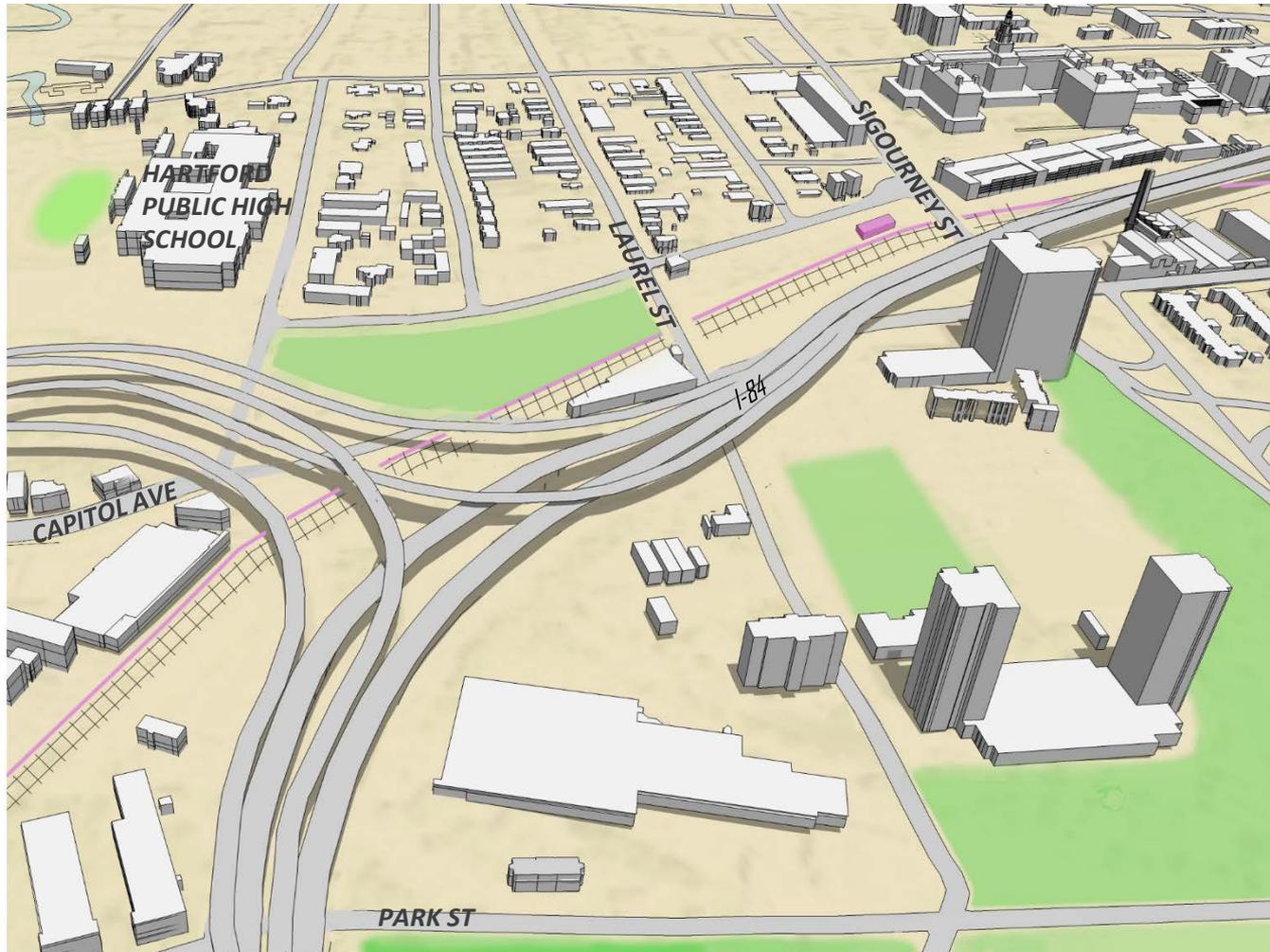


I-84 between Park and Sigourney



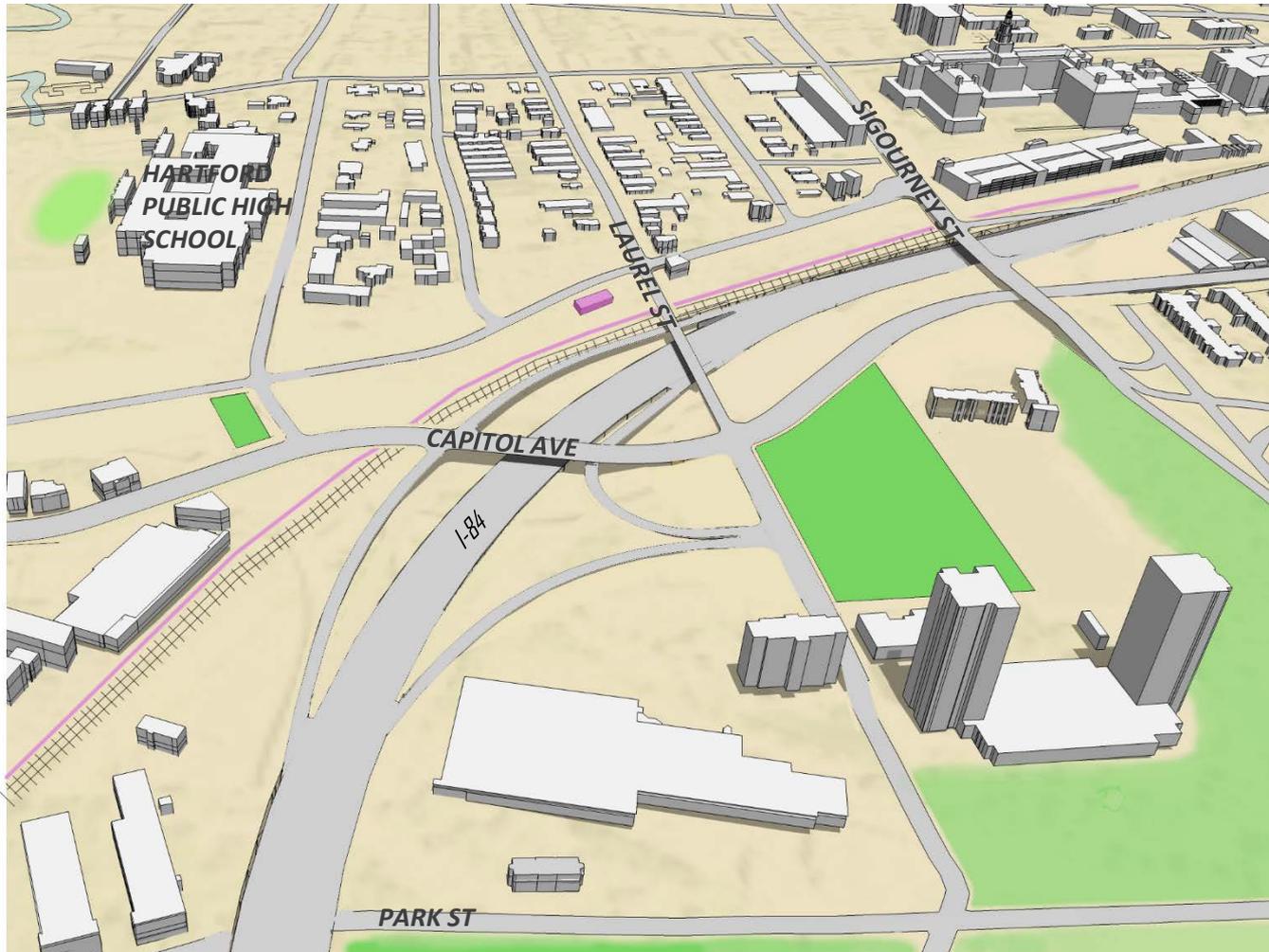


I-84 between Park and Sigourney Existing





I-84 between Park and Sigourney Basic Improvements



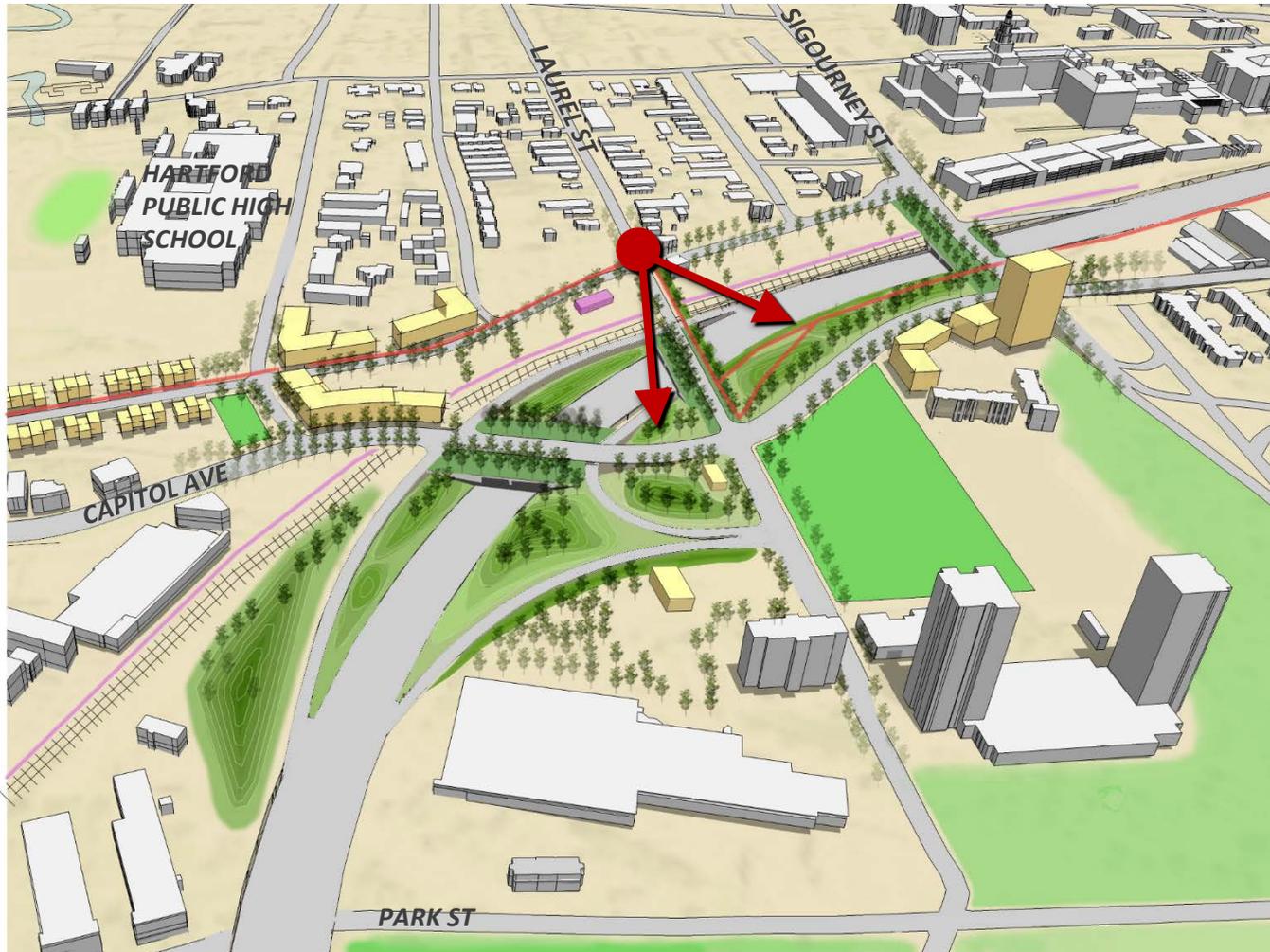


I-84 between Park and Sigourney Enhanced Improvements





I-84 between Park and Sigourney Enhanced Improvements





Laurel Street looking south Existing

Connecticut
Street View - Jul 2015

View of elevated I-84 viaduct

Limited sidewalk space/no bike lanes





Laurel Street looking south Potential



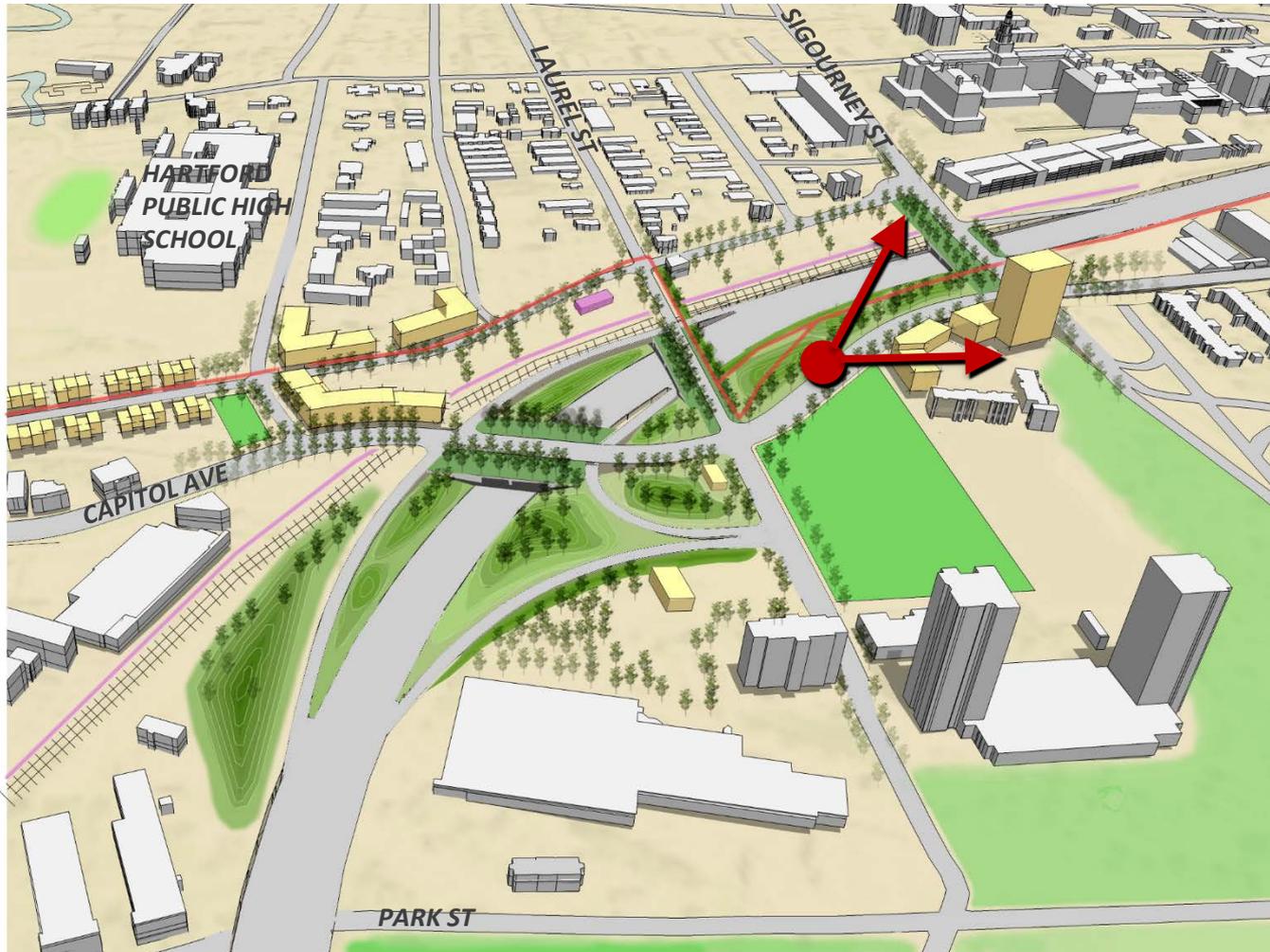
Screening wall to hide lowered highway

Multi-use greenway on expanded deck

Dedicated Laurel Street bike lanes



I-84 between Park and Sigourney Enhanced Improvements

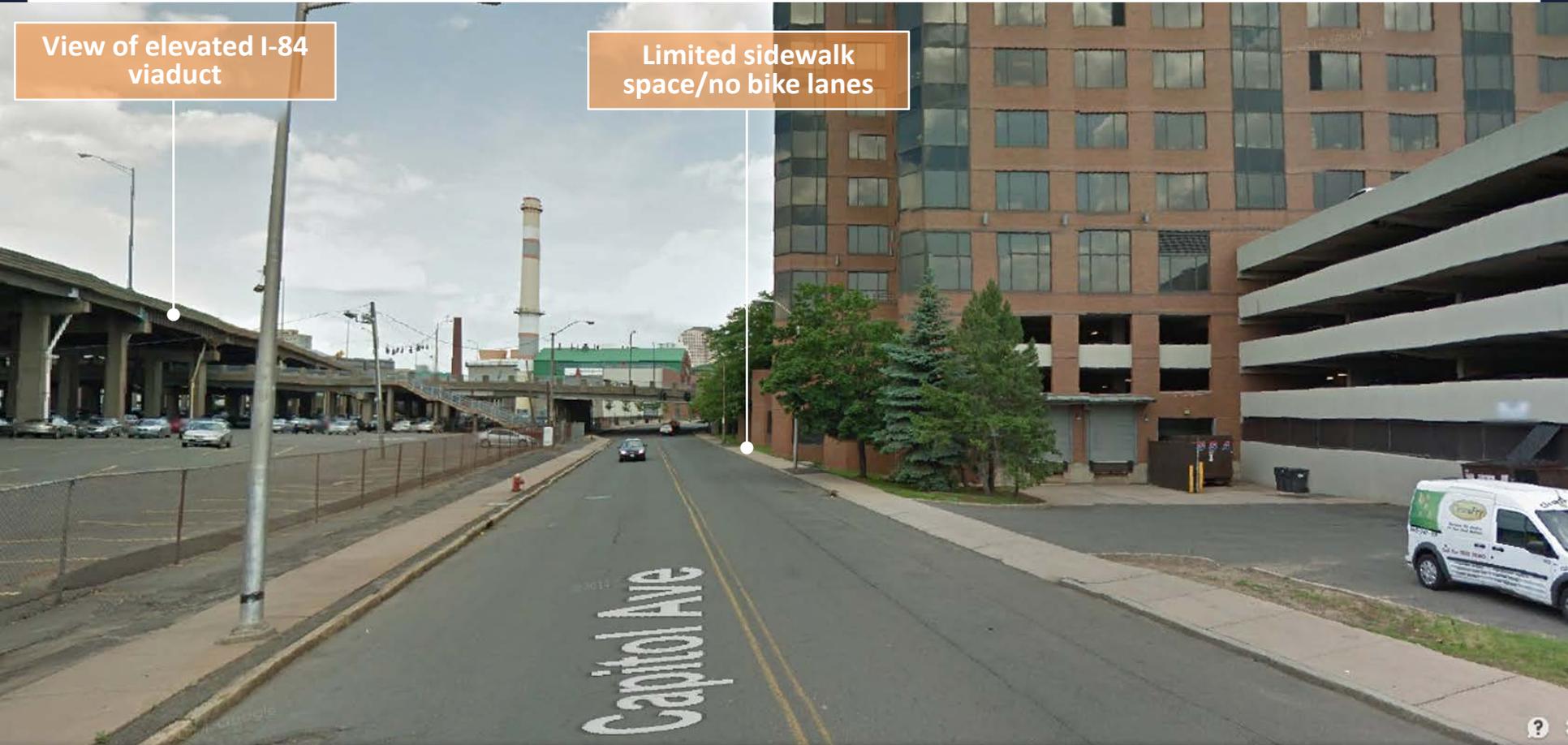




Capitol Avenue looking east Existing

View of elevated I-84 viaduct

Limited sidewalk space/no bike lanes





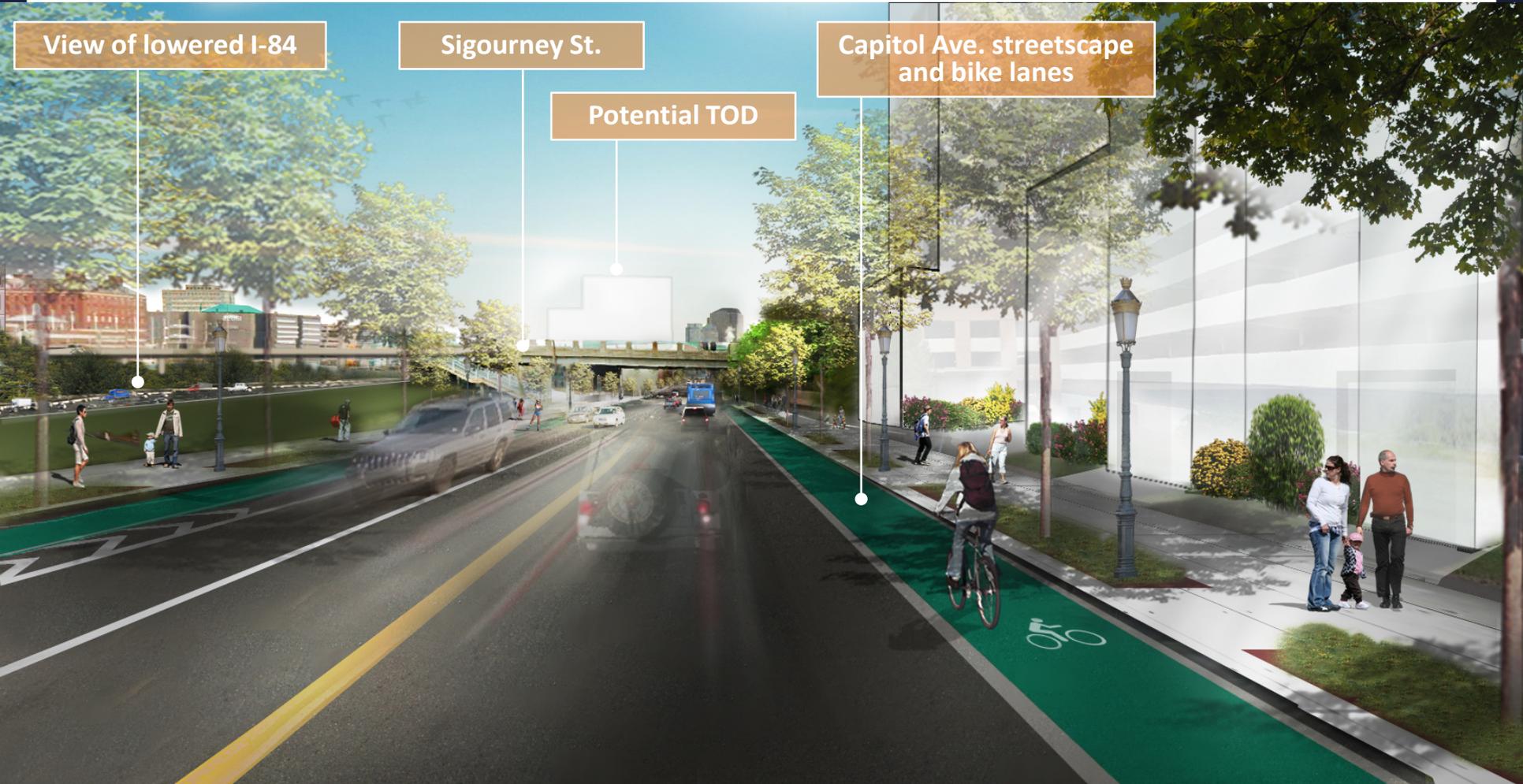
Capitol Avenue looking east Basic Improvements

View of lowered I-84

Sigourney St.

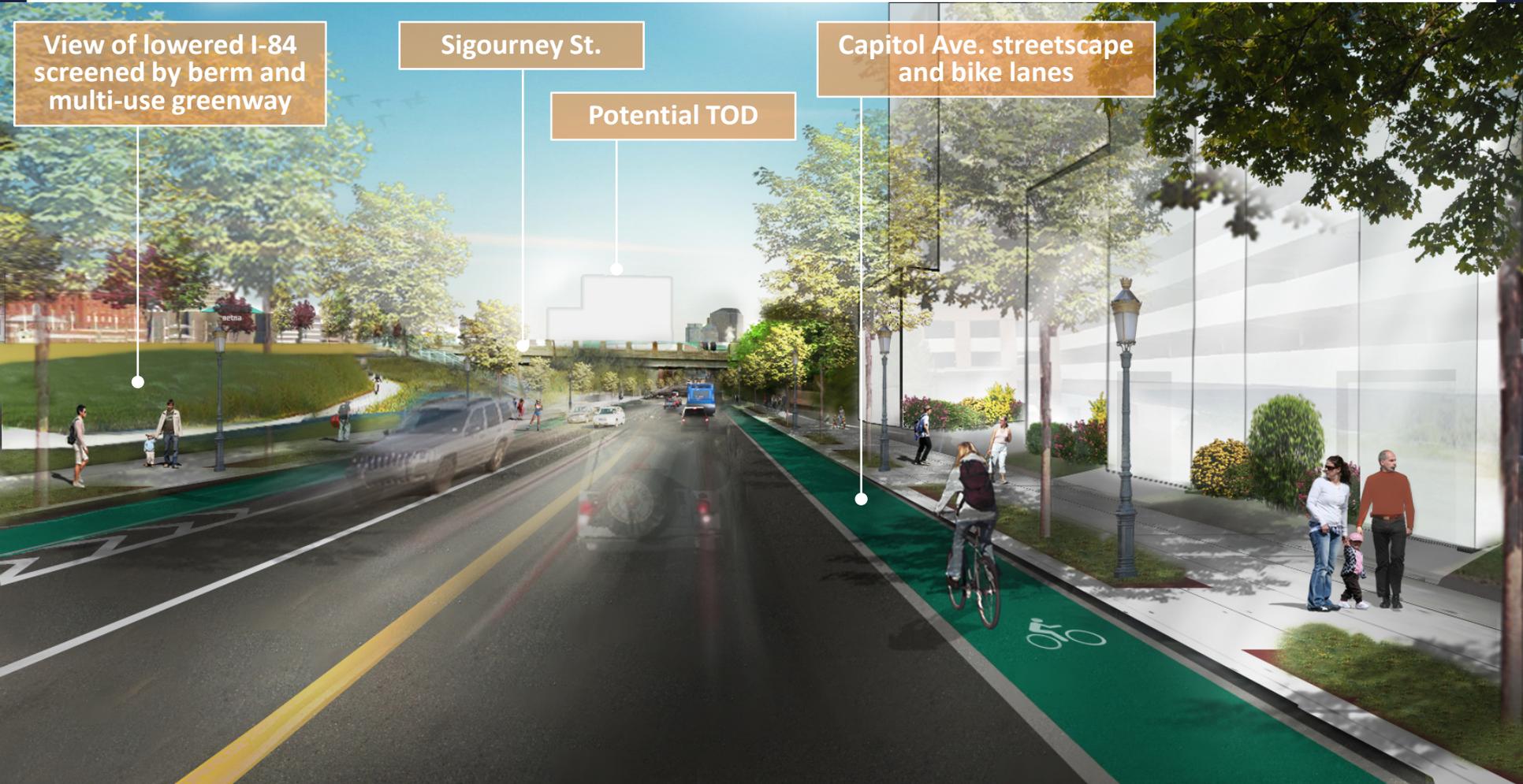
Potential TOD

Capitol Ave. streetscape
and bike lanes



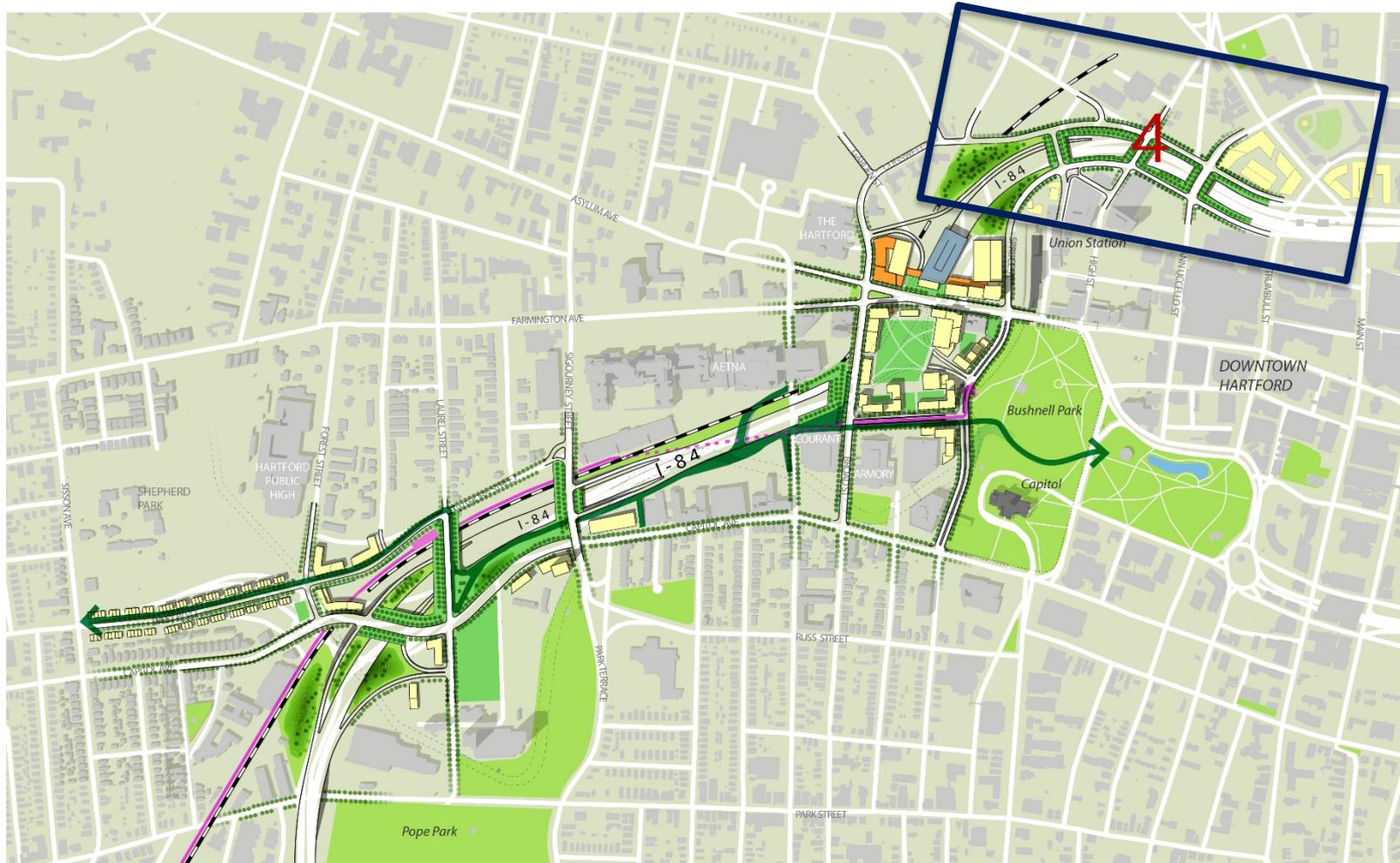


Capitol Avenue looking east With topography to screen view of I-84



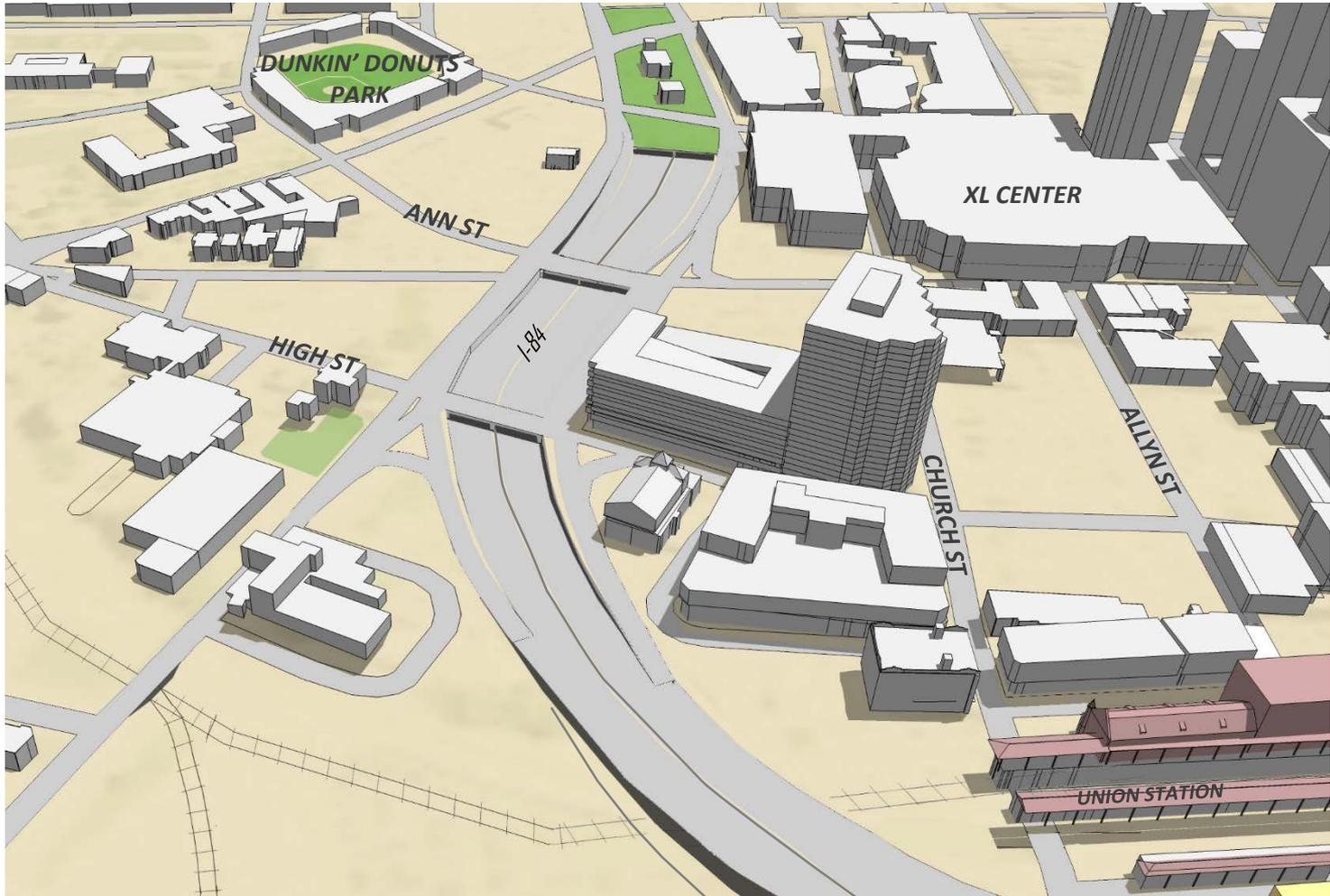


I-84 between High and Ann Uccello Streets



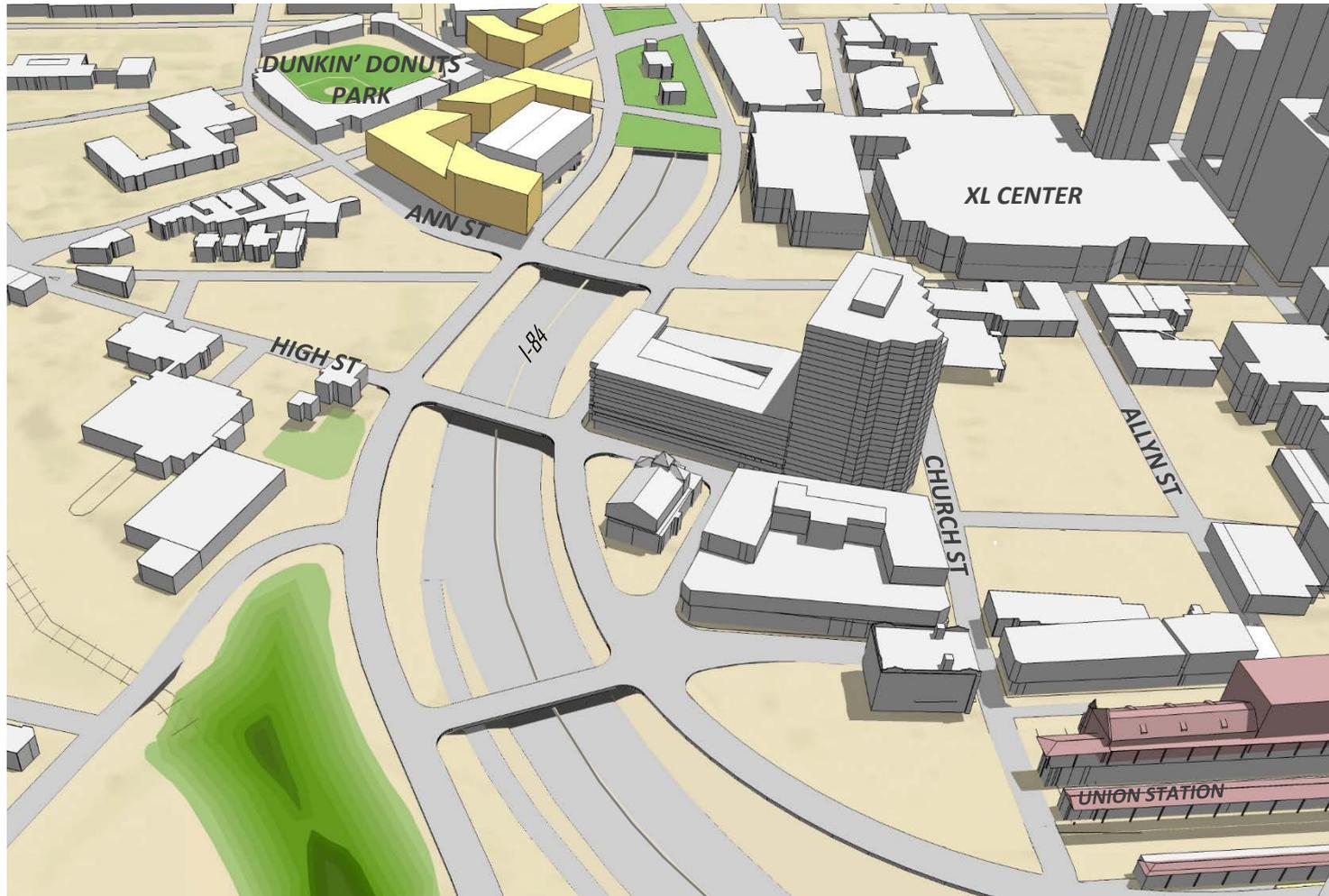


I-84 between High and Ann Uccello Streets Existing Conditions





I-84 between High and Ann Uccello Streets Basic Improvements



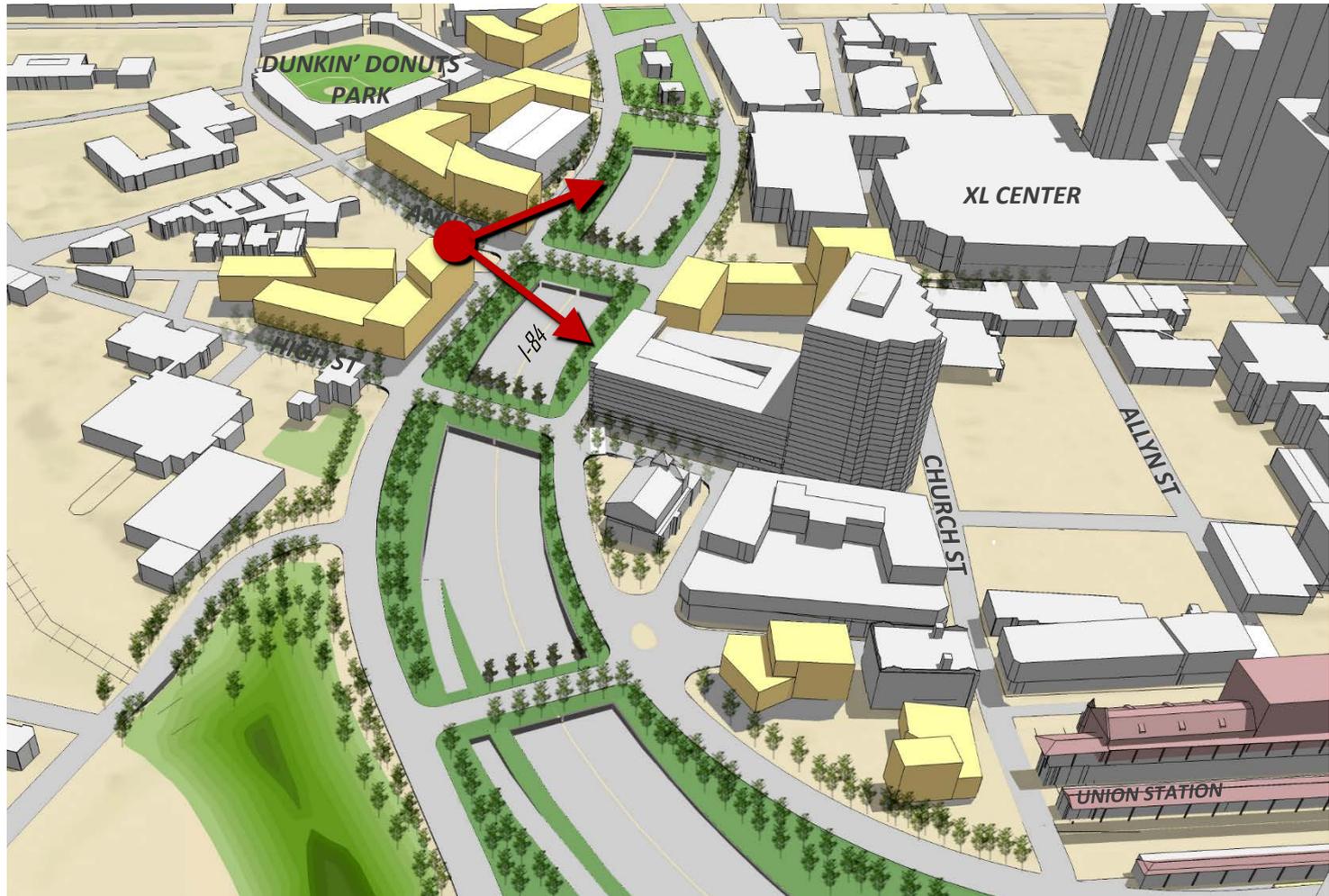


I-84 between High and Ann Uccello Streets Enhanced Improvements





I-84 between High and Ann Uccello Streets Enhanced Improvements





Ann Uccello Street Bridge – Existing view



Chapel St N

Hartford, Connecticut

Street View - Aug 2015

View of I-84

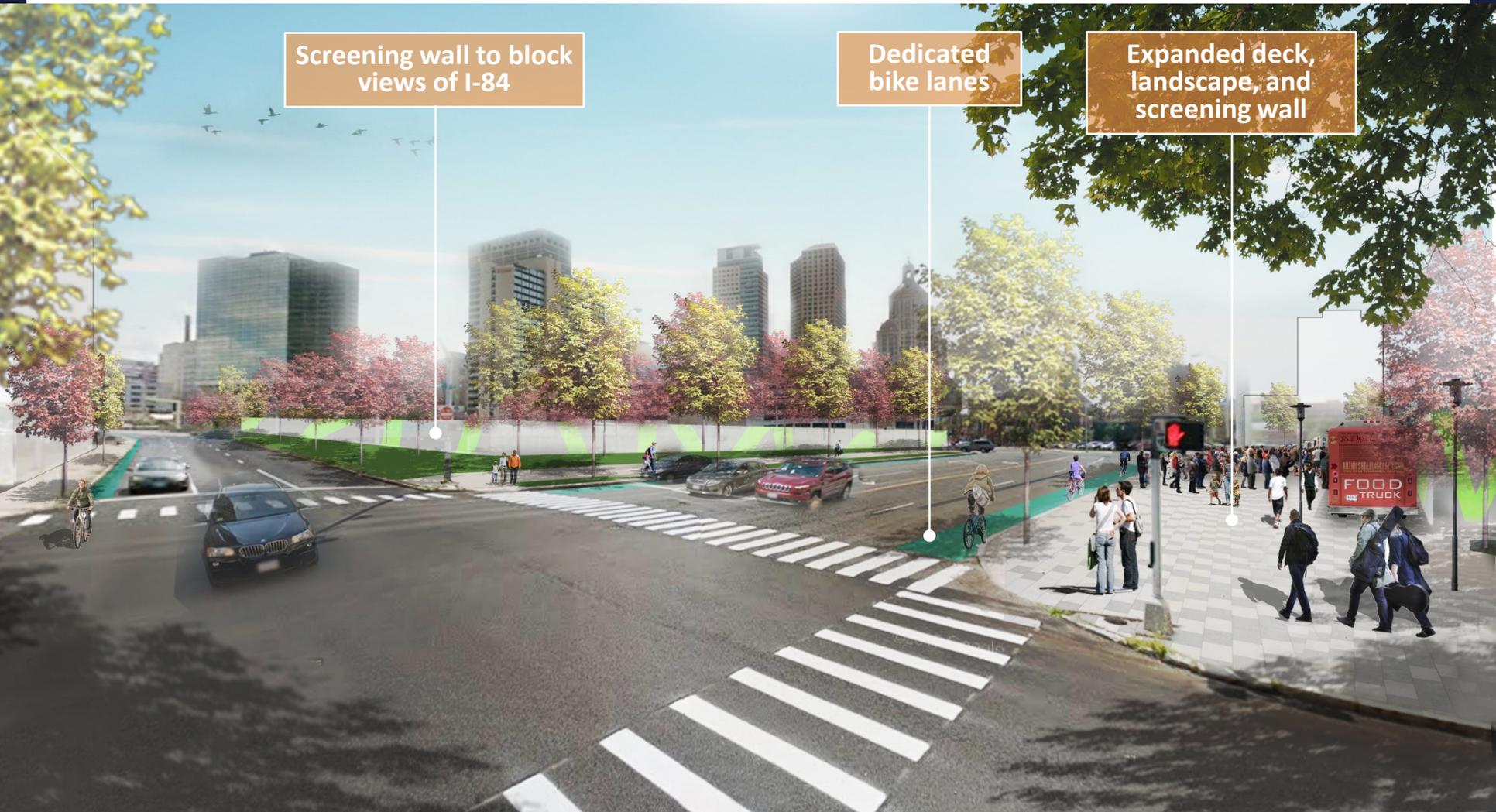
View of I-84

Google

Back to Map



Ann Uccello Street Bridge – Potential view



Screening wall to block views of I-84

Dedicated bike lanes

Expanded deck, landscape, and screening wall



I-84 Corridor Urban Design Next steps

- Continued development of enhancement strategies and concepts
- Continued development of diagrams, renderings, and 3D model to explain concepts
- Initiation of “Guidelines for the Visual Impact Assessment of Highway Projects” as part of NEPA process
- Other mitigation strategies as part of NEPA



I-84 HARTFORD PROJECT

Thank you!





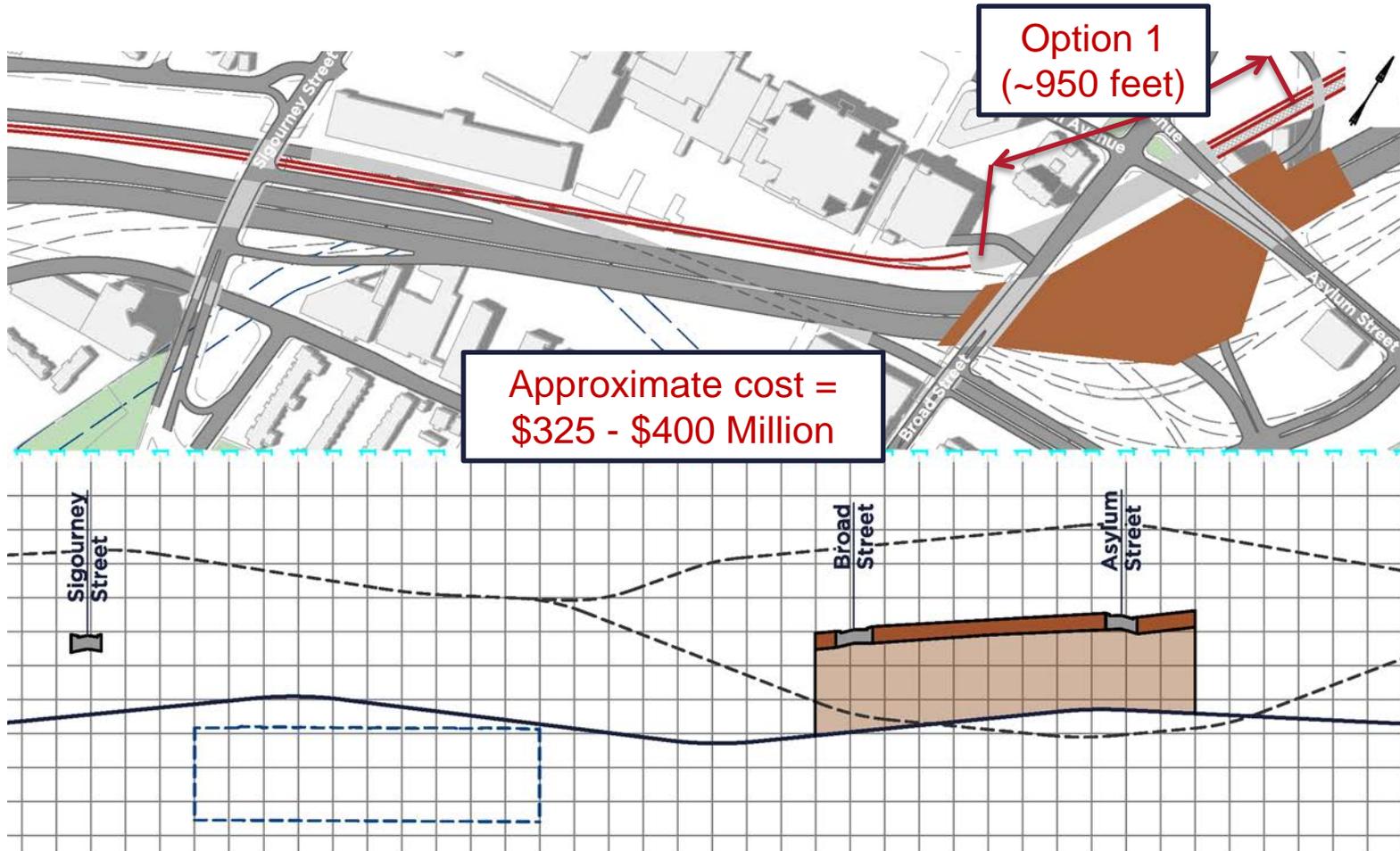
Thank You!

Thank you for your time. We appreciate your commitment to helping us reach the best possible solution for the State of Connecticut, the Capitol Region, and the City of Hartford.

-Your I-84 Hartford Project Team

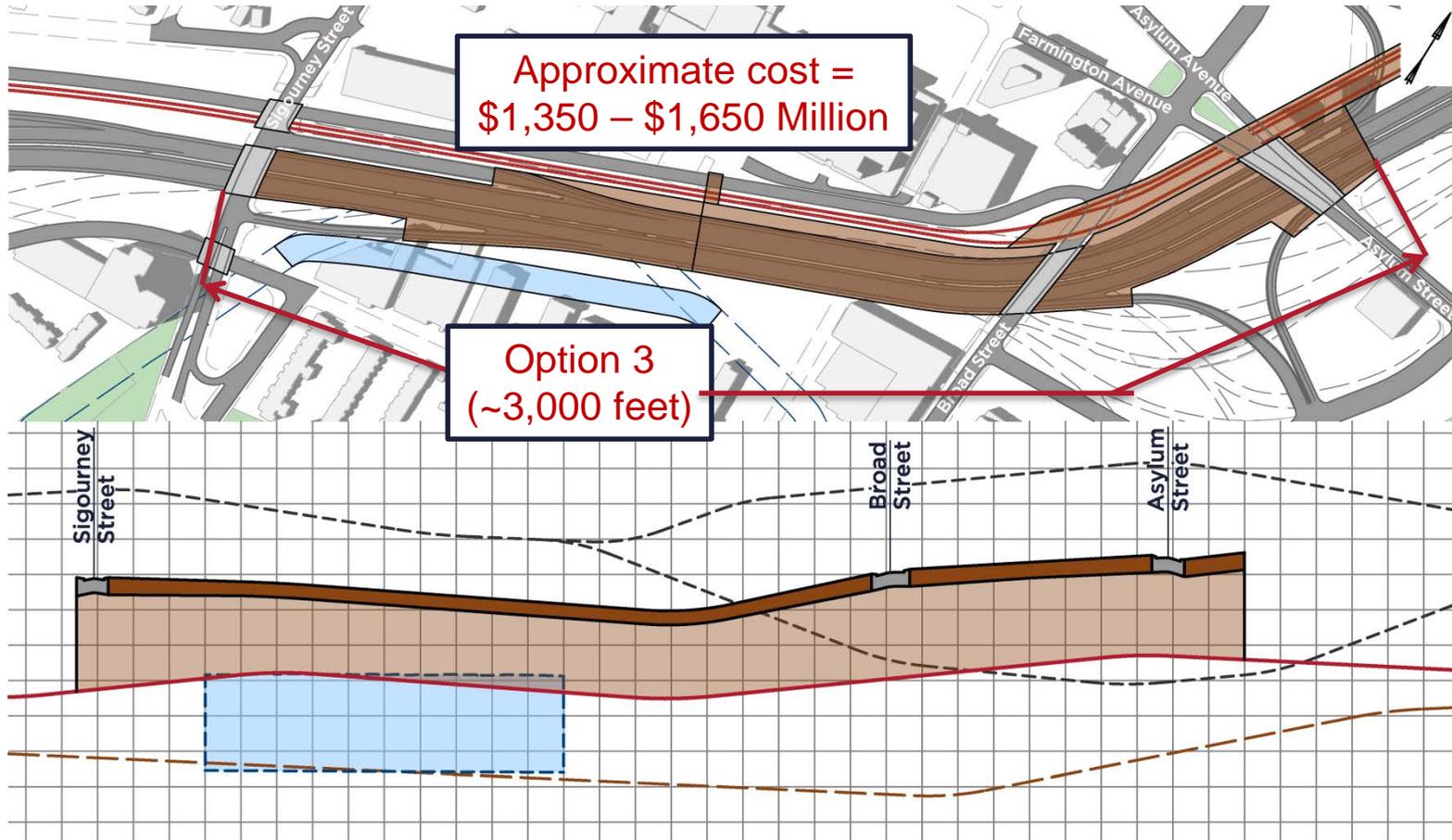


I-84 between Broad and Asylum Capping





I-84 between Broad and Sigourney Capping





I-84 between Sigourney and Capitol Capping

