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Georgia**






# COURTLAND STREET

**ACCELERATED BRIDGE CONSTRUCTION**





# Welcome!

This virtual presentation is designed to guide you through information about the Courtland Street Bridge Replacement Project. You can scroll back and forth through the slides by clicking on the  or . The  on each slide will take you to the project email. Project staff will respond promptly. Links to more information will be indicated as appropriate.

Thank you for taking the time to learn about this important project.







# Project Location

The Courtland Street Bridge is located in the City of Atlanta, in close proximity to the Georgia State Capitol building. It serves as a major thoroughfare through the downtown campus of Georgia State University (GSU). The viaduct runs between Martin Luther King, Jr. Drive and Gilmer Street. Courtland Street crosses over two MARTA tracks, two CSX Railroad tracks, and Decatur Street.







# Reducing the Impacts of Construction



Courtland Street Crosswalk



Collins Street Crosswalk



G-Deck Parking

The construction of the Courtland Street Bridge will impact pedestrian and vehicular traffic both on and under the bridge. Access to buildings and parking decks at Georgia State University will also be greatly affected. The Design-Build Team is committed to minimizing the impacts to key areas like those shown to the left.







# Reducing the Impacts of Construction

The Design-Build Team recognizes the importance of this corridor to pedestrians and will adopt the following methods to reduce impacts:

- Preserve, protect and channelize key pathways around work zone hazards
- Provide visual barriers
- Maintain lighting in public spaces to provide for safety and security
- Reduce duration of impacts
- Return use of critical pathways as soon as safely possible



**Mid-street Pedestrian Crosswalk at Decatur Street South of Collins Street**



**Protected Channelized Walkway**



**Visual Barriers in Work Zone**







# How The Project Will Be Constructed

← The Courtland Street Bridge Replacement is a GDOT Design-Build project using innovative Accelerated Bridge Construction (ABC) methods. →





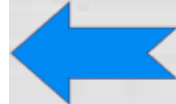


## ABC Methods Include:

Phased Design - aggressive phasing plan that started construction in less than 4 months.

Micropile Foundations - allows 5 months of foundation work to be performed before the bridge is closed to traffic – reducing the duration of detours.

High-Early Strength Concrete – a fast curing mixture that develops strength quickly, significantly reducing construction time (technique learned from I-85 bridge repair last year).







Micropile technology enabled the foundation work below the bridge to begin in January with little impact to traffic on top. Click [here](#) for more information on micropile technology.







High Early Strength Concrete will be used in the pier caps and bridge decks for the Courtland Street Bridge project. The fast cure and high strength of this mix, is an important factor for meeting the six month construction deadline for the Courtland Street Bridge project. Click [here](#) for more information on the use of High Early Strength Concrete.







## ABC Methods Also Include:



Safety and Accessibility - heavily utilized pedestrian pathways on the GSU campus were identified and strategies were developed to reduce impact to pedestrians using:

- visual barriers,
- noise screens, and
- protected entry/exit points (preserving access to critical GSU buildings).



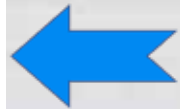




# Stakeholder Identification & Outreach



The project scope includes extensive stakeholder identification, outreach and engagement.



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# History of the Bridge



The Courtland Street Bridge was originally built in 1907 and was called the Washington Street Viaduct. Click [here](#) for more information on the history of the Bridge.







# Project Timeline



We are here.







# Closures and Detours

The bridge will be demolished no sooner than May 7.

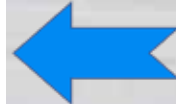
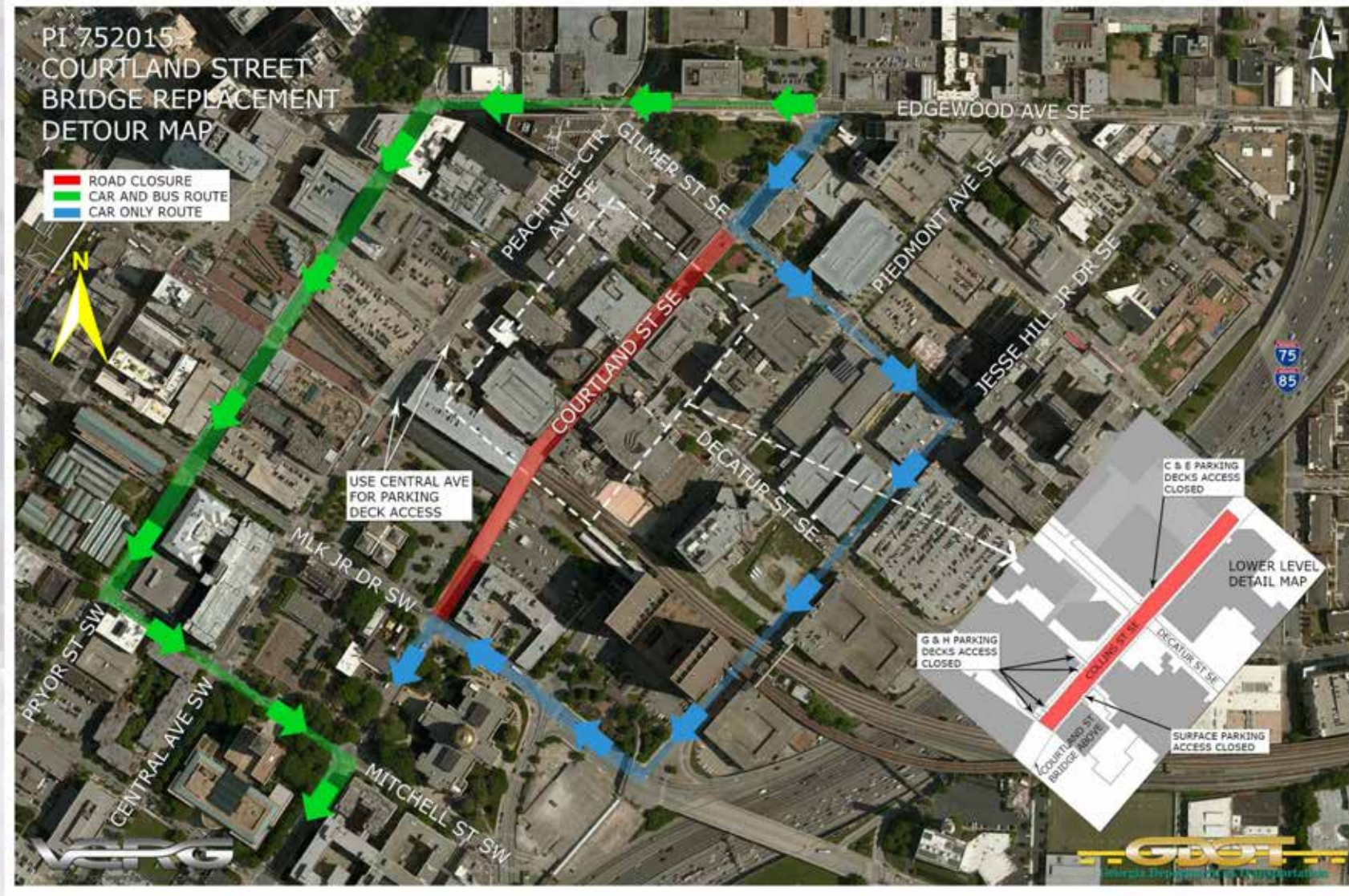
The new bridge installation and required detours will occur within a 180-day period between May and the end of October 2018.







# Vehicular Detours



Two vehicular detour routes will be posted and will remain in place for a six-month period from May through October.

Click on the map for a downloadable version.







# Pedestrian Detours



Signed detours will safely guide pedestrians through protected pathways on Collins Street, while foot traffic on Courtland will be directed away from construction activity to offsite routes.

Click on the map for a downloadable version.







# Features of the New Bridge



Rendering by Luke Van de Vate, CW Matthews Contracting Co., Inc.

While the new Courtland Street Bridge is being built in the same footprint as the old, it will sport some very contemporary features, including LED lighting, decorative parapets and safety fencing.



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# Features of the New Bridge



The new Courtland Street Bridge will have fewer, and stronger spans – 12 versus 28. In addition to new lighting, removing the extra bridge columns will create a more open, brighter and safer environment under the bridge. New sidewalks will be installed under the bridge, making pedestrian travel easier.







# Features of the New Bridge

The new bridge will enhance service for its users. It will have one eight foot sidewalk on the east side, allowing more room for the large number of pedestrians that cross the bridge on a daily basis. The west sidewalk will remain six feet in width. There will also be three ten-foot lanes and one 12-foot lane that will allow passengers to safely get on and off busses that stop at Georgia State University.

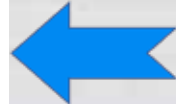






# Stay on Top of Project Progress

Click on icons to be directed information outlets and to follow GDOT on social media.



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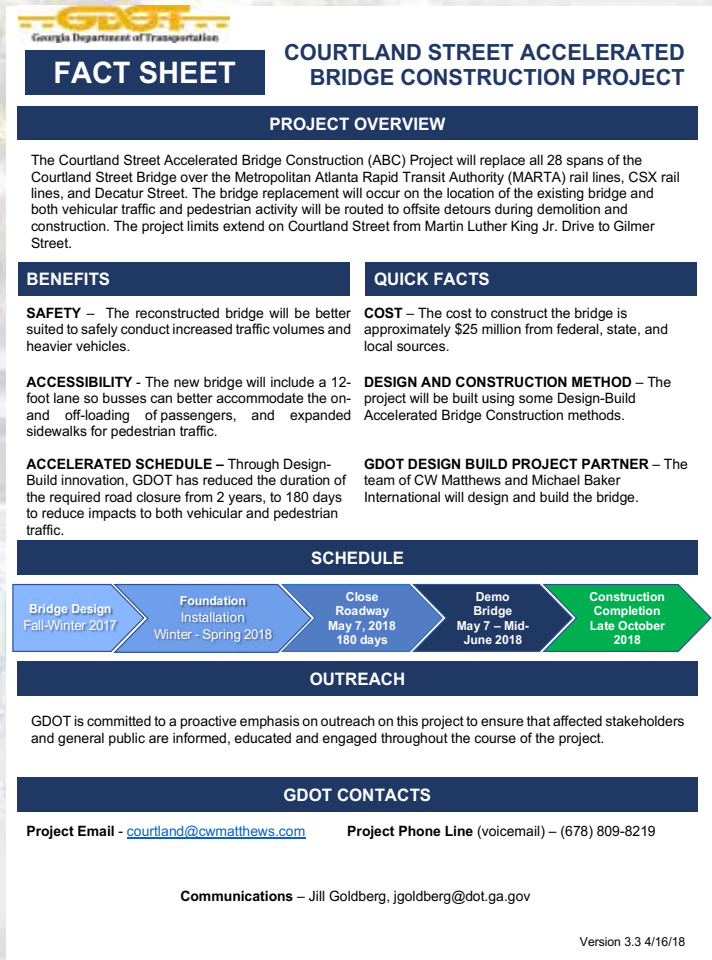




# Additional Information

Fact Sheet

FAQs



**FACT SHEET** COURTLAND STREET ACCELERATED BRIDGE CONSTRUCTION PROJECT

**PROJECT OVERVIEW**

The Courtland Street Accelerated Bridge Construction (ABC) Project will replace all 28 spans of the Courtland Street Bridge over the Metropolitan Atlanta Rapid Transit Authority (MARTA) rail lines, CSX rail lines, and Decatur Street. The bridge replacement will occur on the location of the existing bridge and both vehicular traffic and pedestrian activity will be routed to offsite detours during demolition and construction. The project limits extend on Courtland Street from Martin Luther King Jr. Drive to Gilmer Street.

**BENEFITS**

**SAFETY** – The reconstructed bridge will be better suited to safely conduct increased traffic volumes and heavier vehicles.

**ACCESSIBILITY** – The new bridge will include a 12-foot lane so busses can better accommodate the on- and off-loading of passengers, and expanded sidewalks for pedestrian traffic.

**ACCELERATED SCHEDULE** – Through Design-Build innovation, GDOT has reduced the duration of the required road closure from 2 years, to 180 days to reduce impacts to both vehicular and pedestrian traffic.

**QUICK FACTS**

**COST** – The cost to construct the bridge is approximately \$25 million from federal, state, and local sources.

**DESIGN AND CONSTRUCTION METHOD** – The project will be built using some Design-Build Accelerated Bridge Construction methods.

**GDOT DESIGN BUILD PROJECT PARTNER** – The team of CW Matthews and Michael Baker International will design and build the bridge.

**SCHEDULE**

Bridge Design Fall-Winter 2017	Foundation Installation Winter-Spring 2018	Close Roadway May 7, 2018 180 days	Demo Bridge May 7 – Mid-June 2018	Construction Completion Late October 2018
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**OUTREACH**

GDOT is committed to a proactive emphasis on outreach on this project to ensure that affected stakeholders and general public are informed, educated and engaged throughout the course of the project.

**GDOT CONTACTS**


Project Email - [courtland@cwmatthews.com](mailto:courtland@cwmatthews.com) Project Phone Line (voicemail) – (678) 809-8219

Communications – Jill Goldberg, [jgoldberg@dot.ga.gov](mailto:jgoldberg@dot.ga.gov)

Version 3.3 4/16/18



**COURTLAND STREET ACCELERATED BRIDGE CONSTRUCTION PROJECT**  
**FREQUENTLY ASKED QUESTIONS**



**PROJECT OVERVIEW**

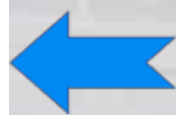
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**WHERE IS THE PROJECT LOCATED?**

The Courtland Street Bridge is located in the City of Atlanta, in close proximity to the Georgia State Capitol building, and serves as a major thoroughfare through the downtown campus of Georgia State University (GSU). The viaduct runs between Martin Luther King, Jr. Drive and Gilmer Street. Courtland Street crosses over two MARTA tracks, two CSX Railroad tracks, and Decatur Street. Courtland Street also serves as a second-level viaduct connecting the facades of several buildings which are part of GSU and serve as primary access to adjacent parking garages.

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Version 3.3 12/19/2017



Click on either of the documents above to download or print.







Project updates will be available on GDOT's project webpage at:

[www.dot.ga.gov/CourtlandSt](http://www.dot.ga.gov/CourtlandSt)

You can subscribe to the project e-newsletter from the webpage.

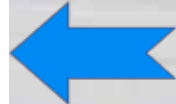
← If you have questions or concerns you can email →

[courtland@cwmatthews.com](mailto:courtland@cwmatthews.com)

or you can leave a message on the project phone line at  
(678) 809-8219







*Thank you*

for joining us today!

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