

Lakeside Drive Bridge over Blackwater Creek

Lynchburg, VA



Lynchburg
VIRGINIA

Project Background

- VA DCR reclassified the Dam as a “HIGH HAZARD” per 2008 regulations
- Evaluation of options
- College Lake Dam Overtops
- Decision to remove the Dam from service
- Midtown Connector-
 - Make way for further expansion and better traffic flow



Project Background

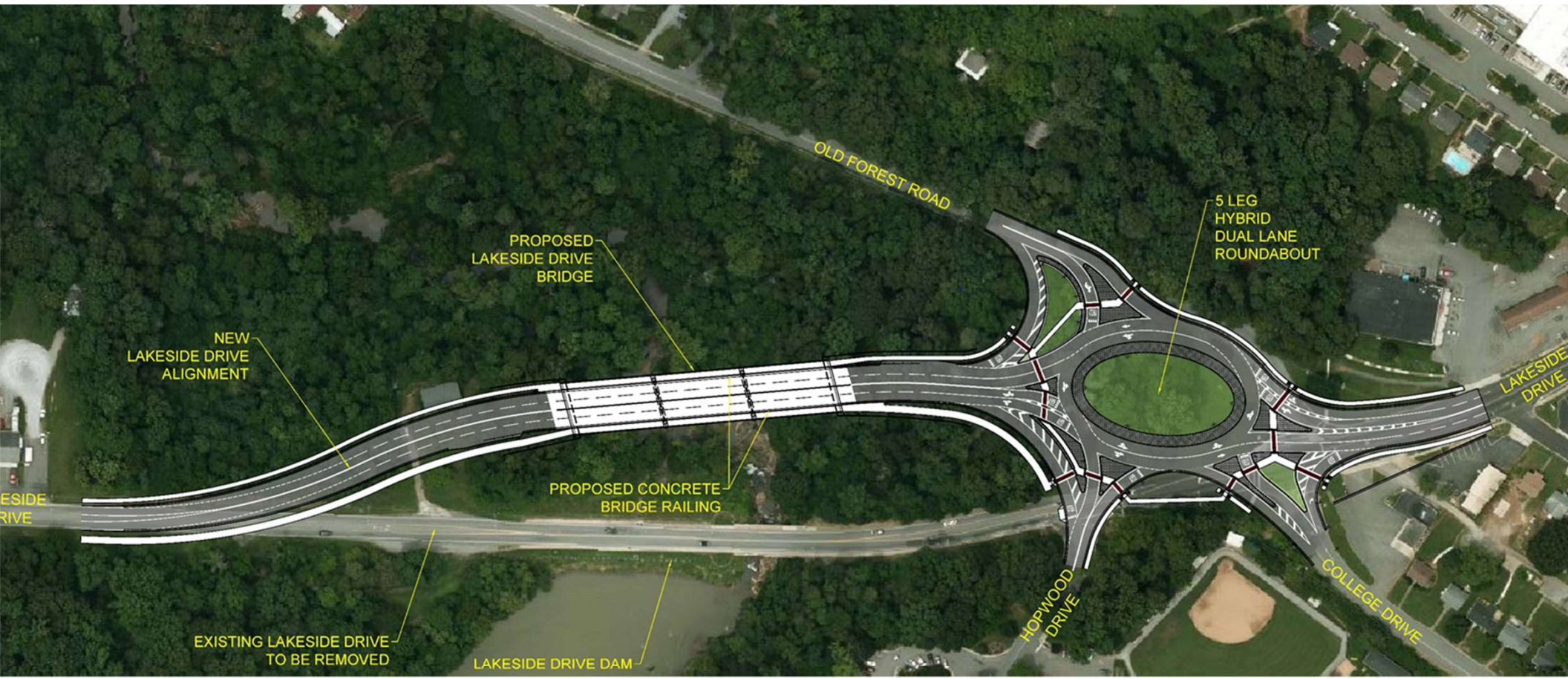
- The City's **FIRST** design-build project
- 100% City-funded with a \$26M total budget
- Used a two-step, qualifications-based approach
 - Qualified proposers shortlisted (6 Submitted, short-listed to 4)
 - Selected based on a weighted metric
 - 65% Price (lower price = higher score)
 - 35% Technical Score (included qualifications, design concepts, approach to construction, and schedule)
- Project Timeline
 - Award – February 2020
 - Construction – August 2020
 - Substantial Completion – September 2022
 - Final Completion – June 2023

Project Team

- City of Lynchburg
 - ATCS
 - Schwartz & Associates
- English
 - AECOM
 - MBP
 - Hurt & Proffitt

Project Details

- Three-span, 360- ft long bridge over Blackwater Creek and the Blackwater Creek Trail
- Five-leg, 2-lane roundabout serving:
 - US Route 221 (Lakeside Drive)
 - College Drive
 - Old Forest Road
 - University of Lynchburg entrance (Hopwood Drive)
- Four lanes for vehicular traffic on Lakeside Drive and through roundabout



Project Overview



Aesthetic treatment on abutments to mimic the historic bridge



Full pre-bore steel
piles foundations
for both
abutments





5' diameter
concrete stems
for each pier

Web walls
to prevent
debris
build-up.

Aesthetic
detail to
mimic the
historic
bridge



Seven (7),
65" tall
prestressed
bulb tee
girders



Semi-integral
abutments on
each end of
the bridge



Stainless
steel rebar
for
longevity



Epoxy overlay
on the bridge
deck, shared
use paths, and
interior
parapet



8' wide
Shared Use
Paths on each
side of the
bridge



Crash-rated
interior
parapet/railing
to protect
pedestrians

Decorative
church
window
railings



15' wide,
stamped,
stained
concrete
truck apron



Aesthetic
brick
pattern
crosswalks
to mimic
downtown







Fully illuminated for increased safety







- Takeaways
- Questions ??