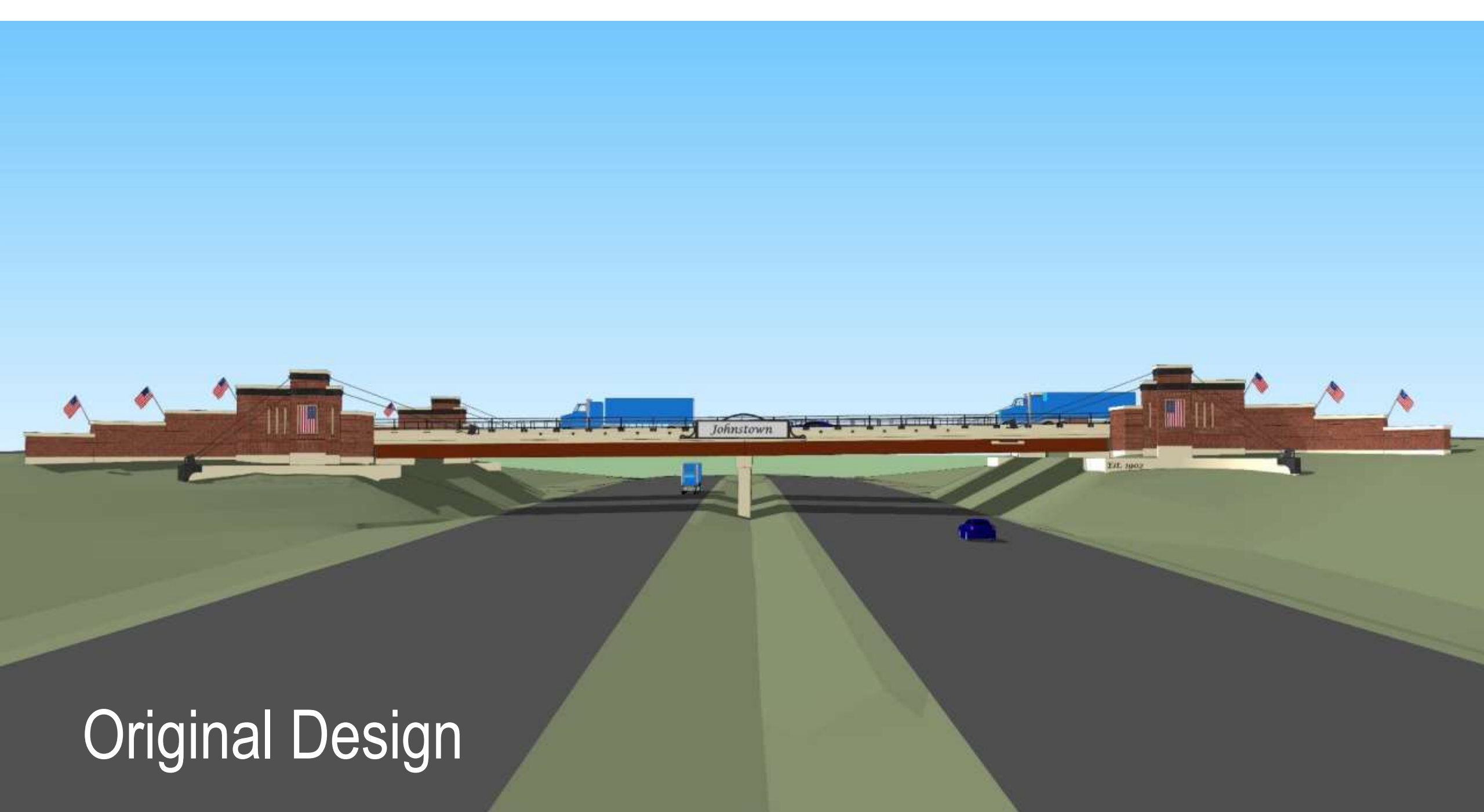
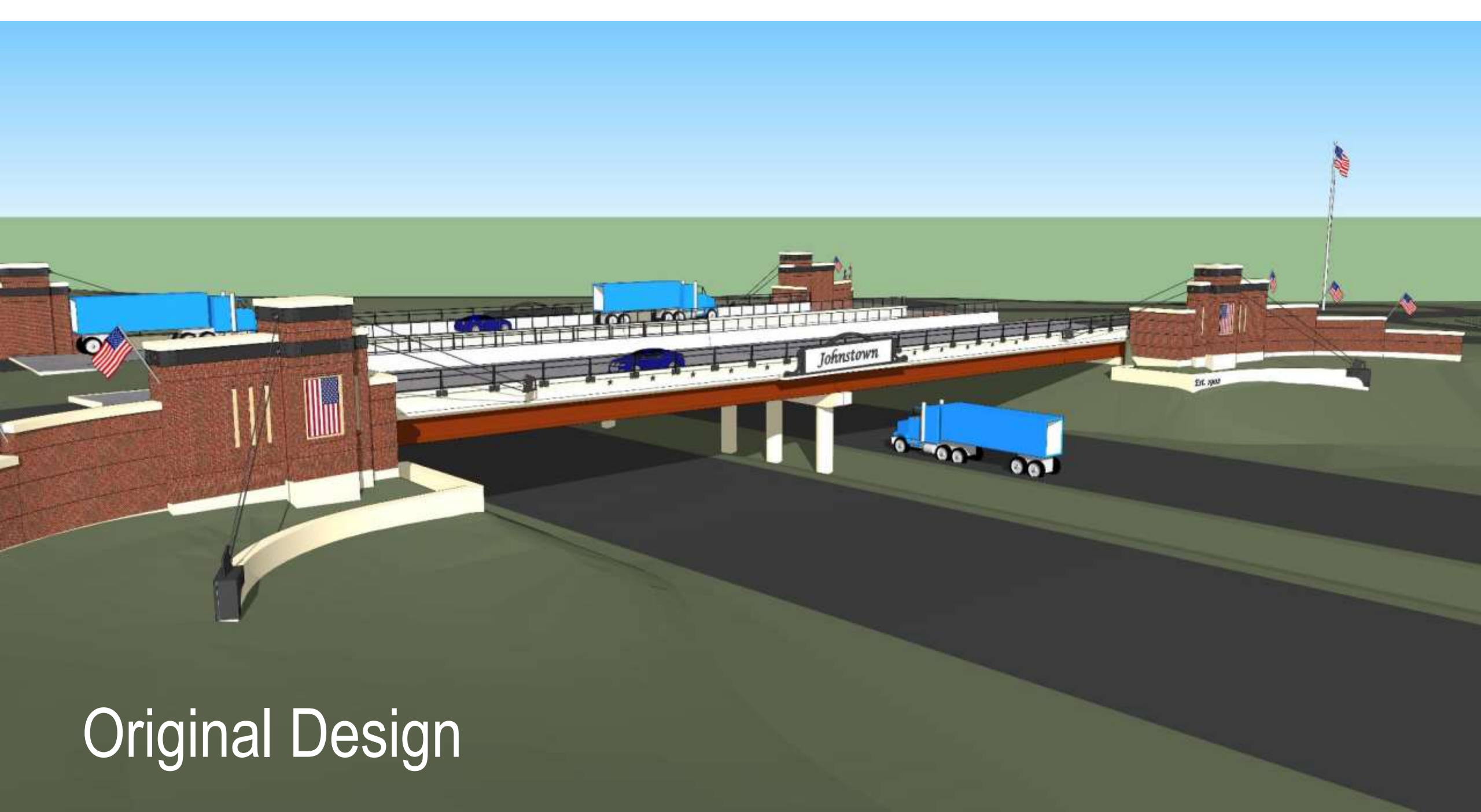


Town of Johnstown Gateway Bridge

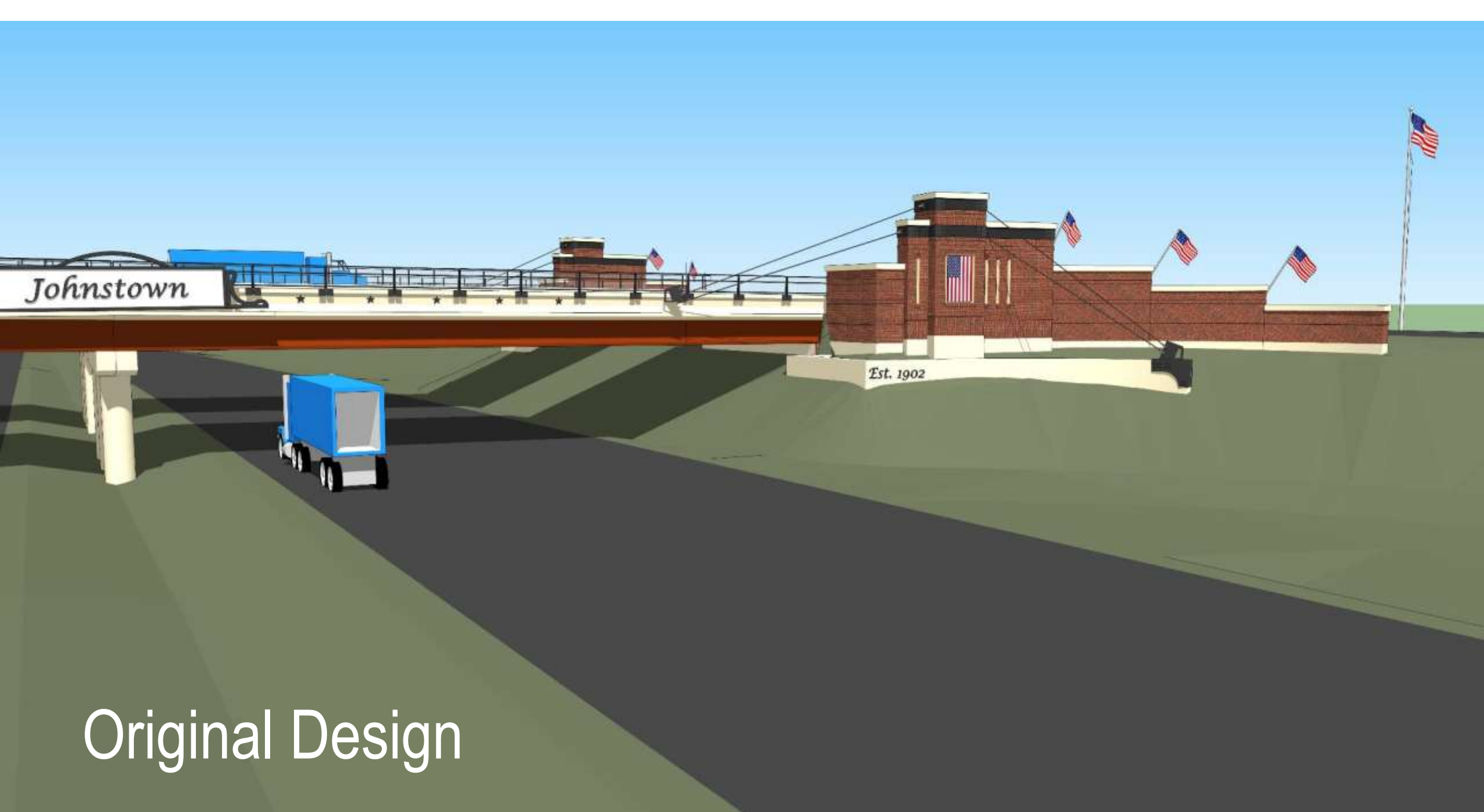




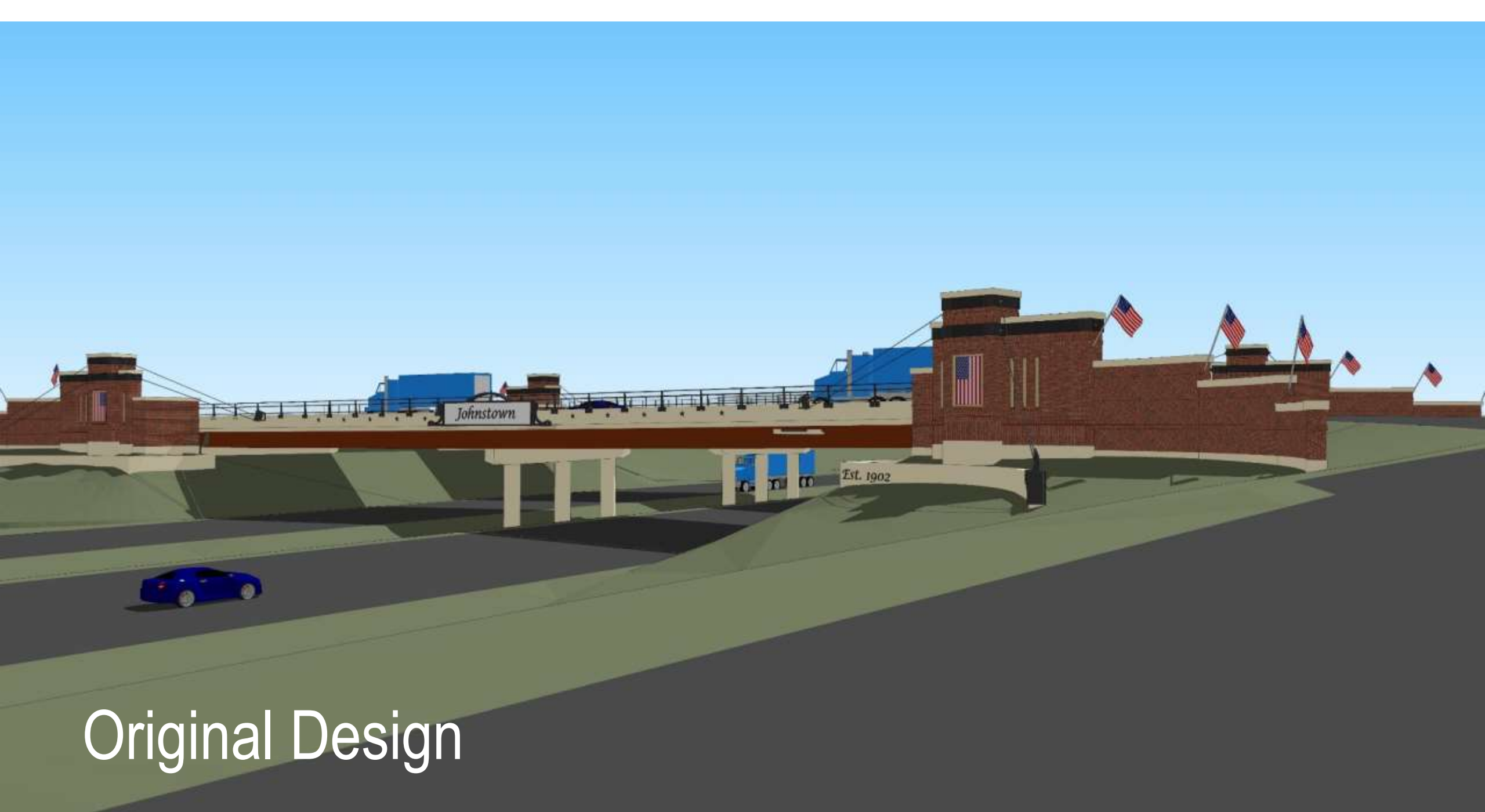
Original Design



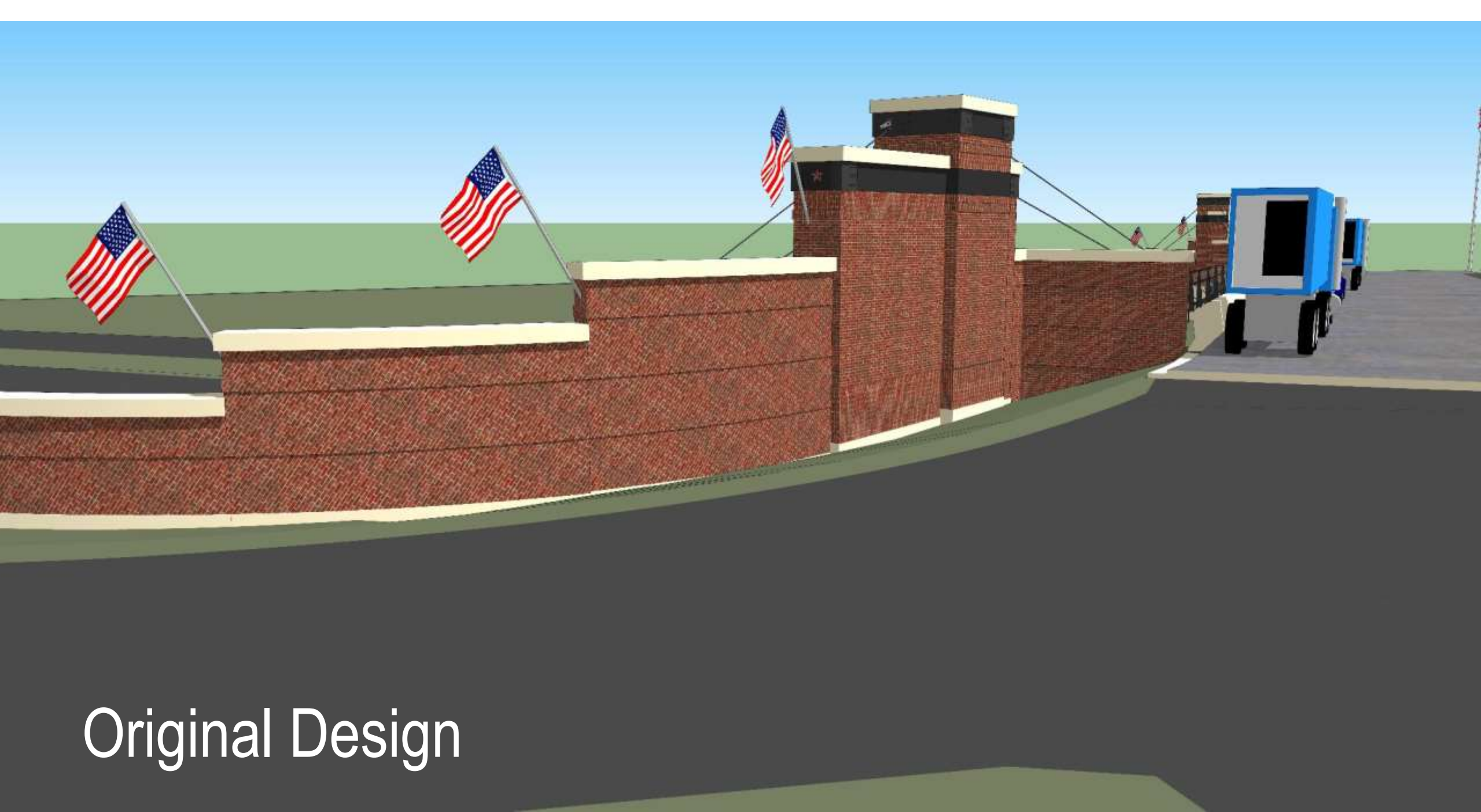
Original Design



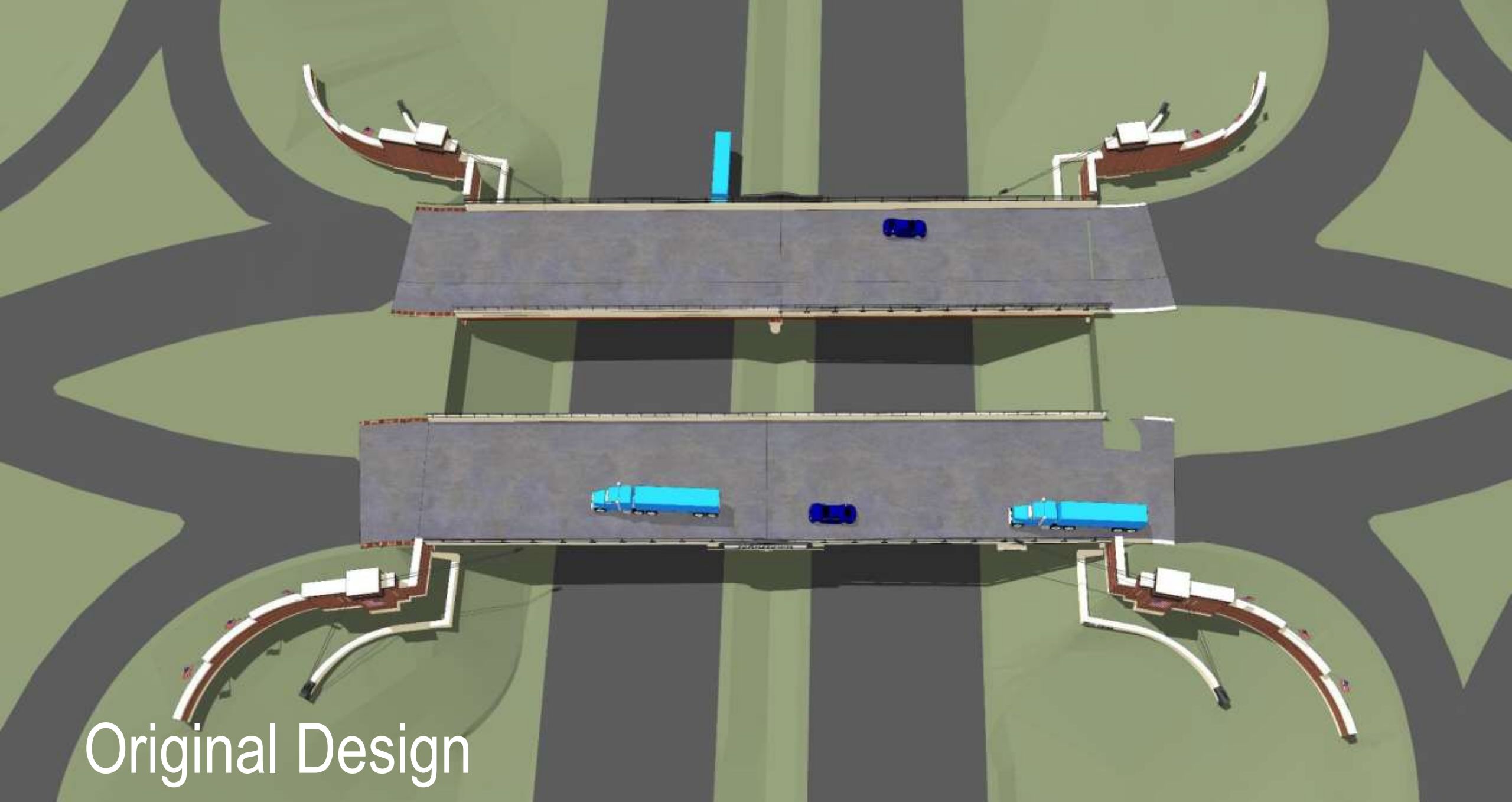
Original Design



Original Design

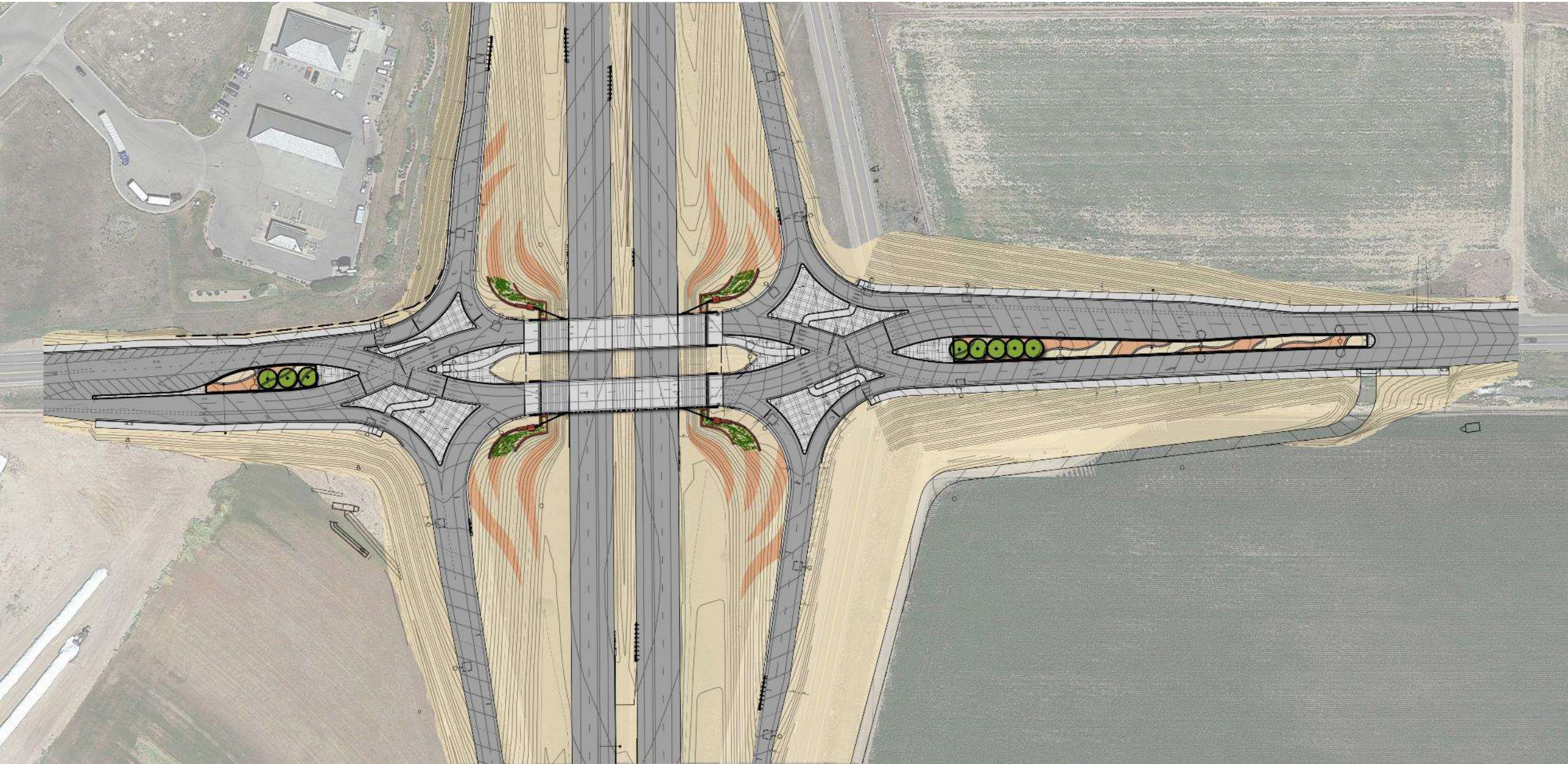


Original Design



Original Design

Additional Improvements



Johnstown Gateway Bridge

Town Design and Construction Budget for Interchange Enhancements **\$3.4M**

Pricing based on 90% Construction Documents

CP#4 - Bridge Deck Extensions for Signs and Cable Anchors	\$14,600
CP#5 – Monuments, Fencing, Signs, Foundations, Earthwork	\$5,371,800
CP#5 – Lighting, Hardscape, Landscaping, Irrigation, Flagpole	\$1,264,700
Credit from CDOT Base Project	(\$63,000)
<hr/>	
Total Estimated Cost	\$6,610,100

Johnstown Gateway Bridge

Monument Value Engineering Options

#1 Light Weight Monuments (no change to size/scale)	(\$844,400)
#2 Replace Masonry with Hand-Stained Brick Form liner Pattern	(\$579,500)
#3 Simplify Monument Articulation	(\$362,200)
#4 Light Weight Monuments and Reduce Size/Scale	(\$1,206,600)

Notes

#1 can be combined with #2 and #3

#2 can be combined with #1, #3, or #4

#3 can be combined with #1 and #2, cannot be combined with #4

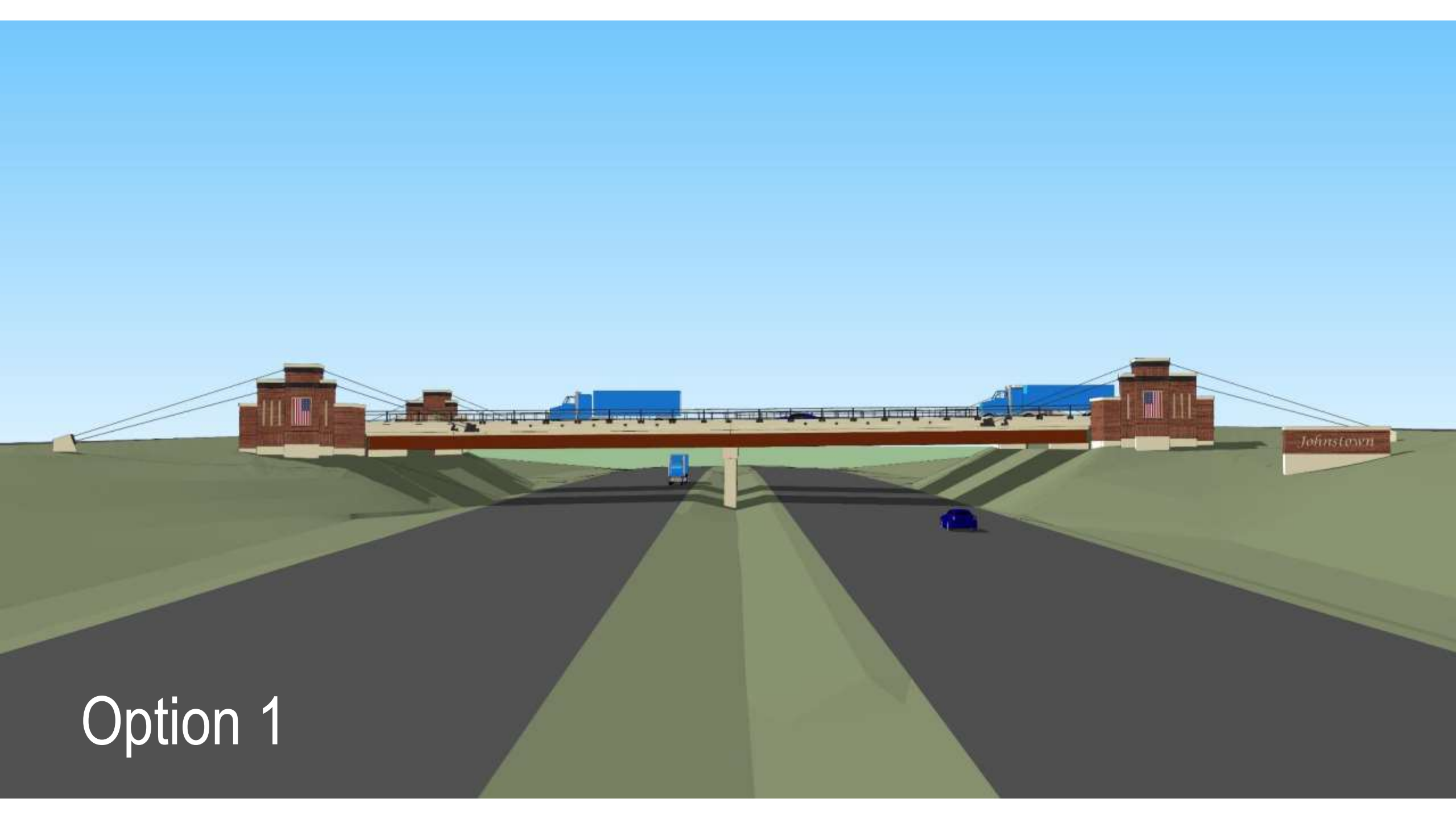
#4 can only be combined with #2

Johnstown Gateway Bridge

Other Value Engineering Options

#5 Eliminate Enhance Fencing on Bridge	(\$102,000)
#6 Eliminate Median Cover Material	(\$490,000)
#7 Eliminate Lower Planter Walls	(\$715,000)
#8 Eliminate Landscape and Irrigation Enhancements	(\$326,000)
#9 Relocate Signs off of Bridge - required	(\$64,000)
#10 Eliminate 80' Flagpole	(\$28,000)
Total Savings for VE items #5 - #10	(\$1,725,000)

Revised Monument Concepts



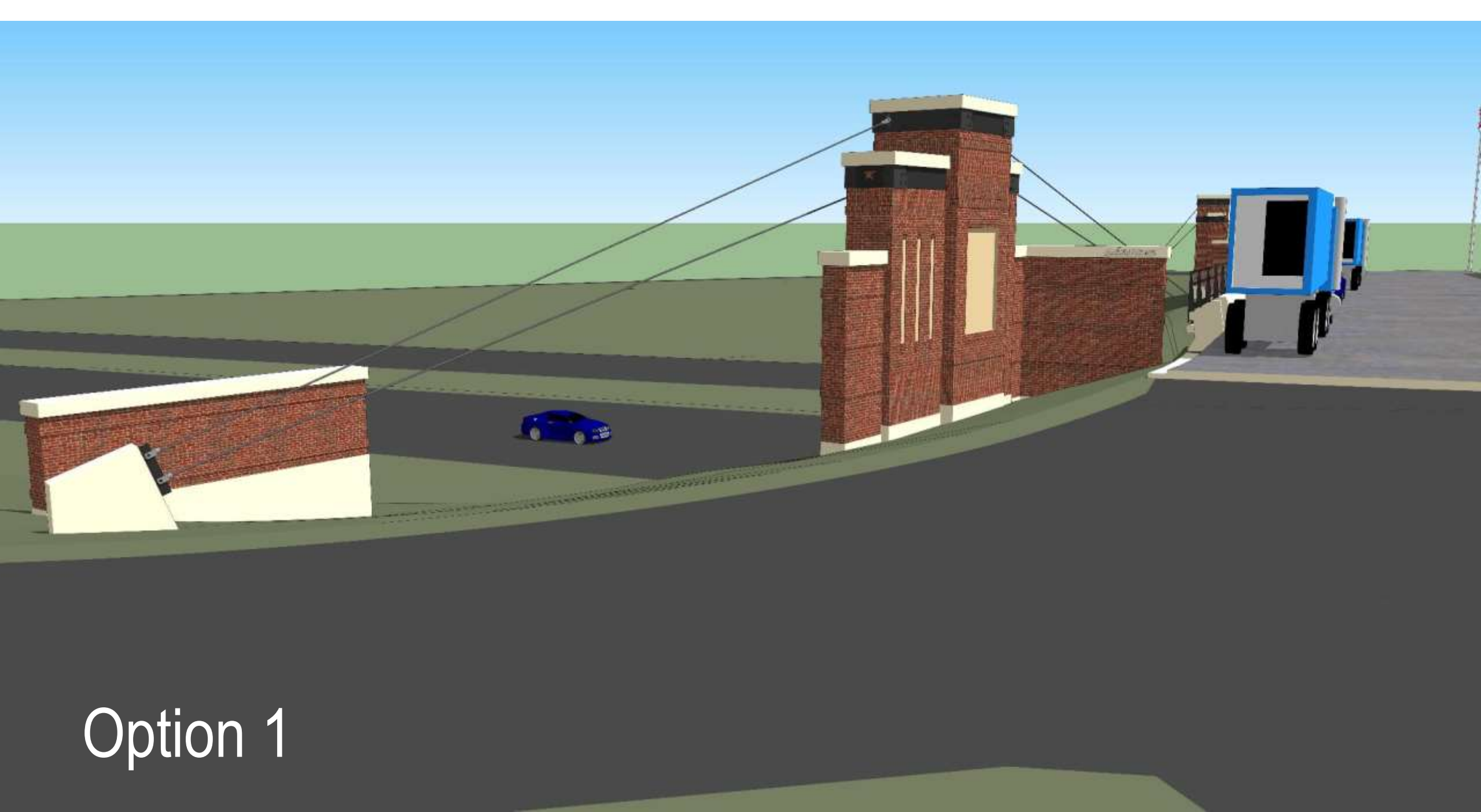
Option 1



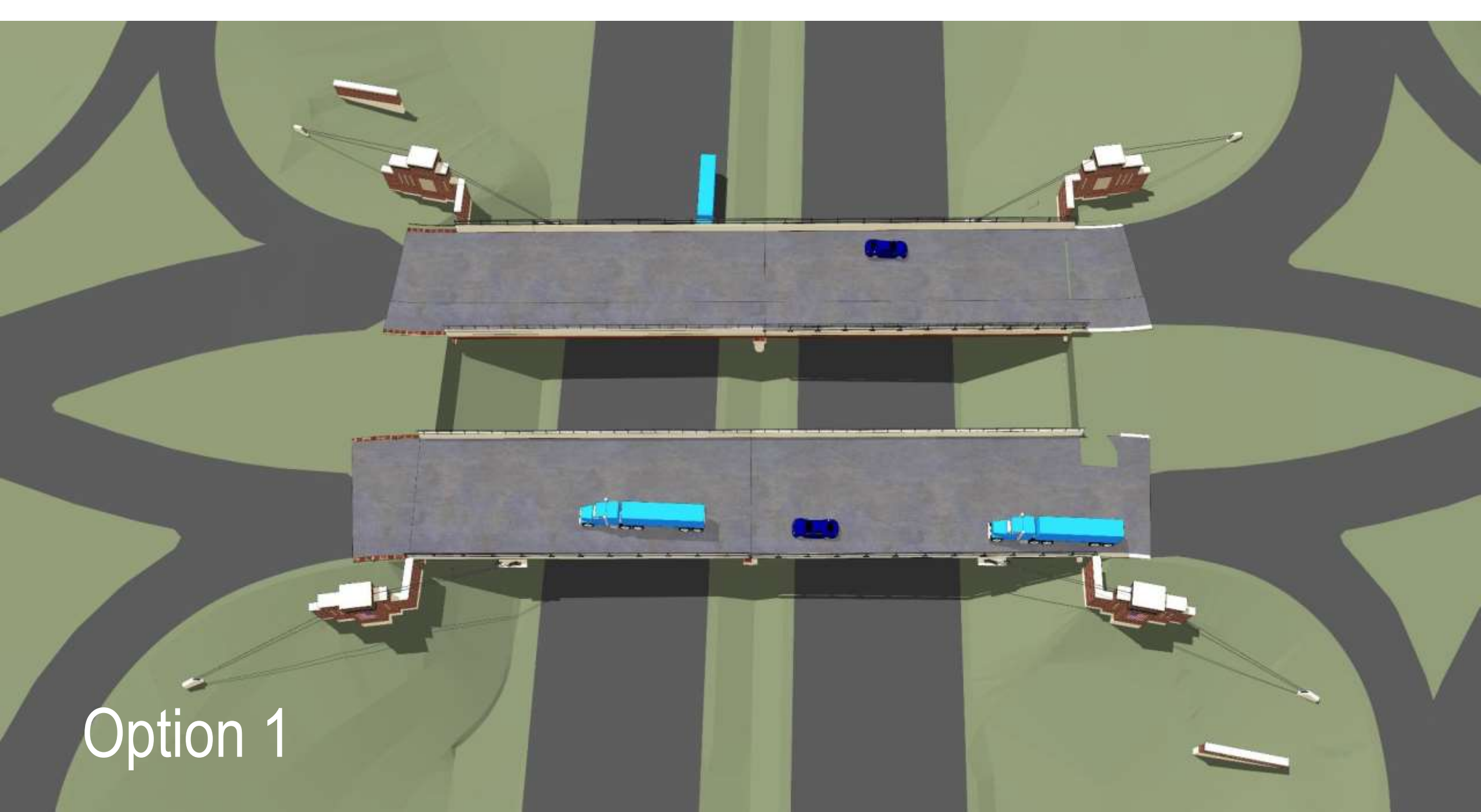
Option 1



Option 1



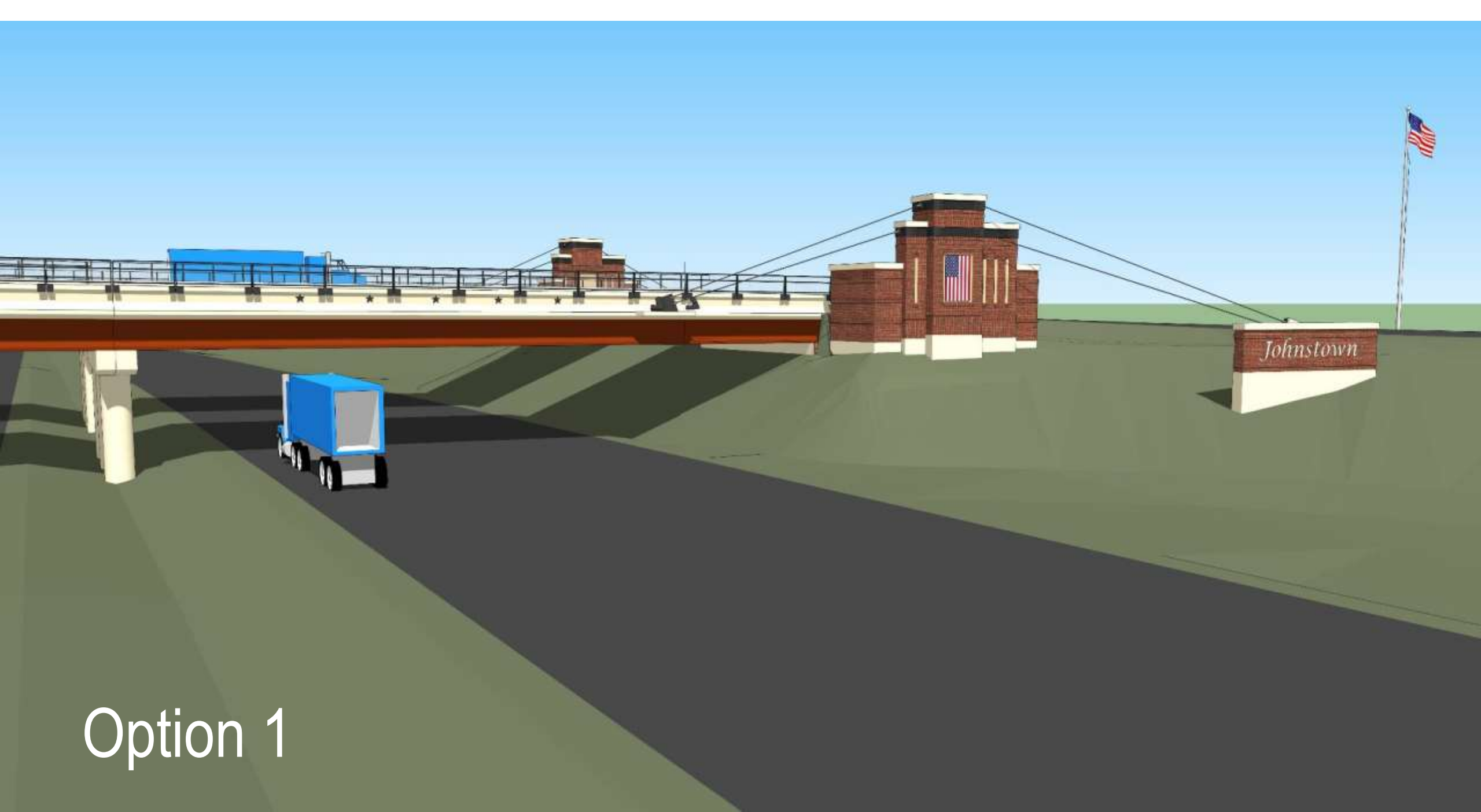
Option 1



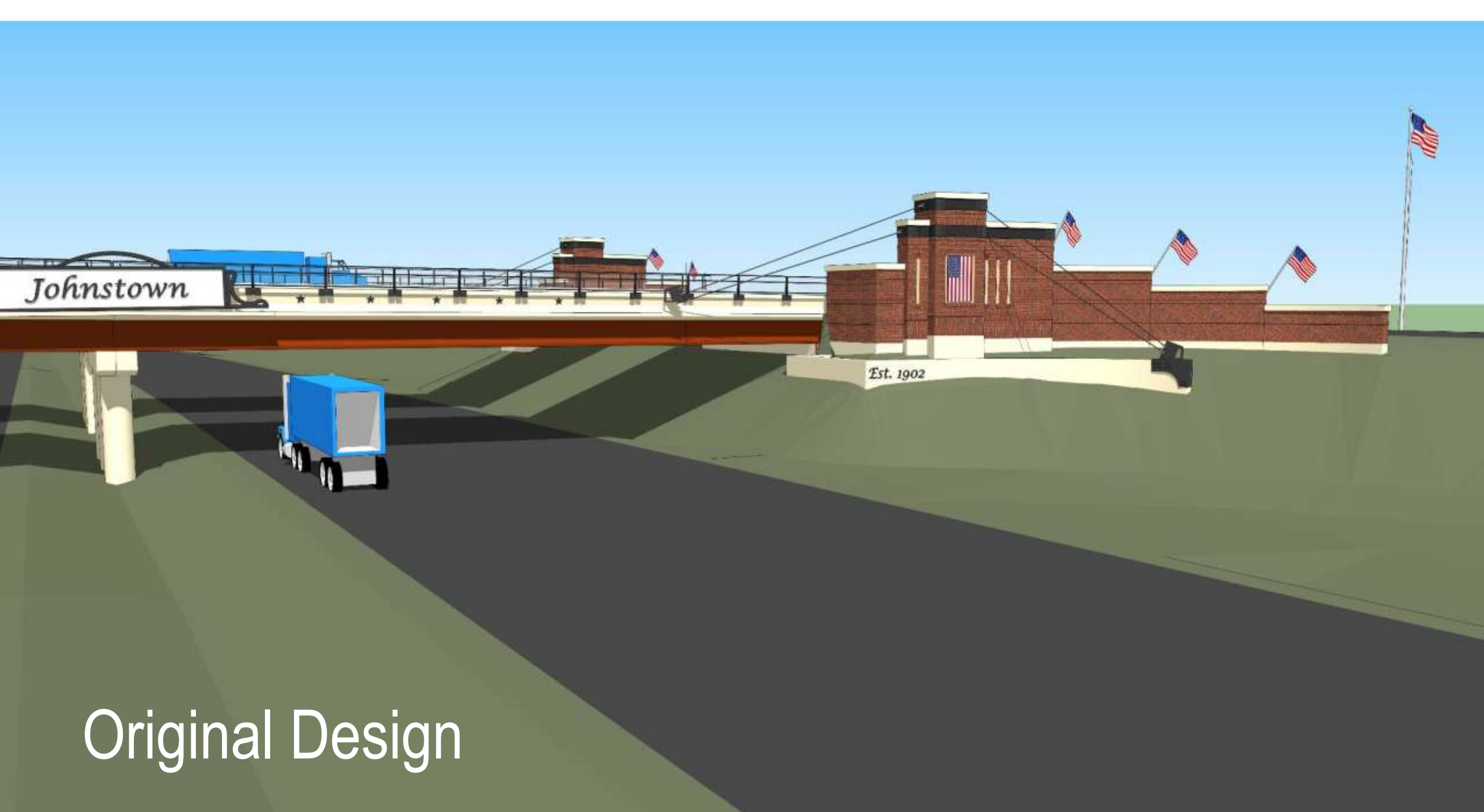
Option 1



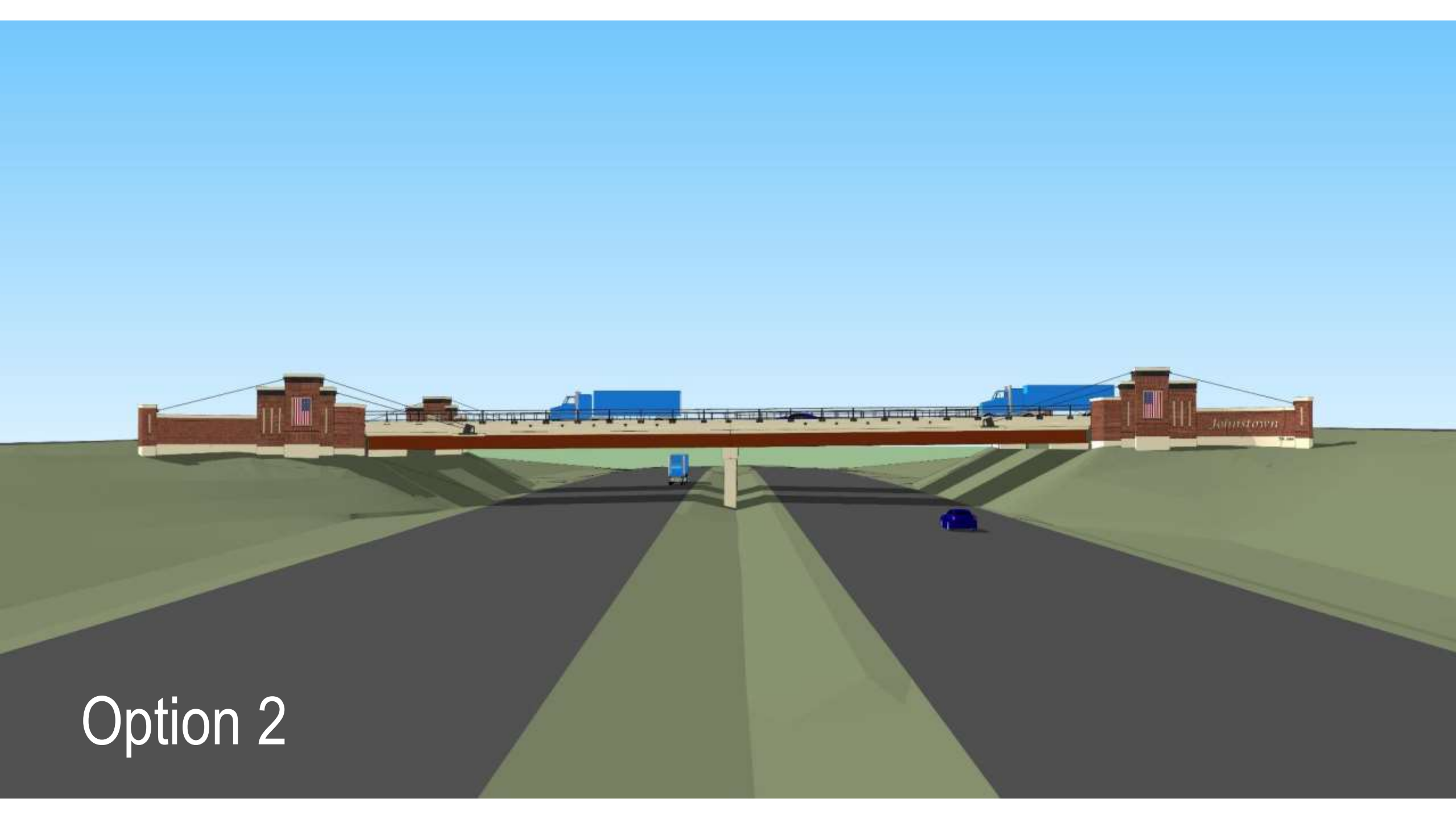
Option 1



Option 1



Original Design



Option 2



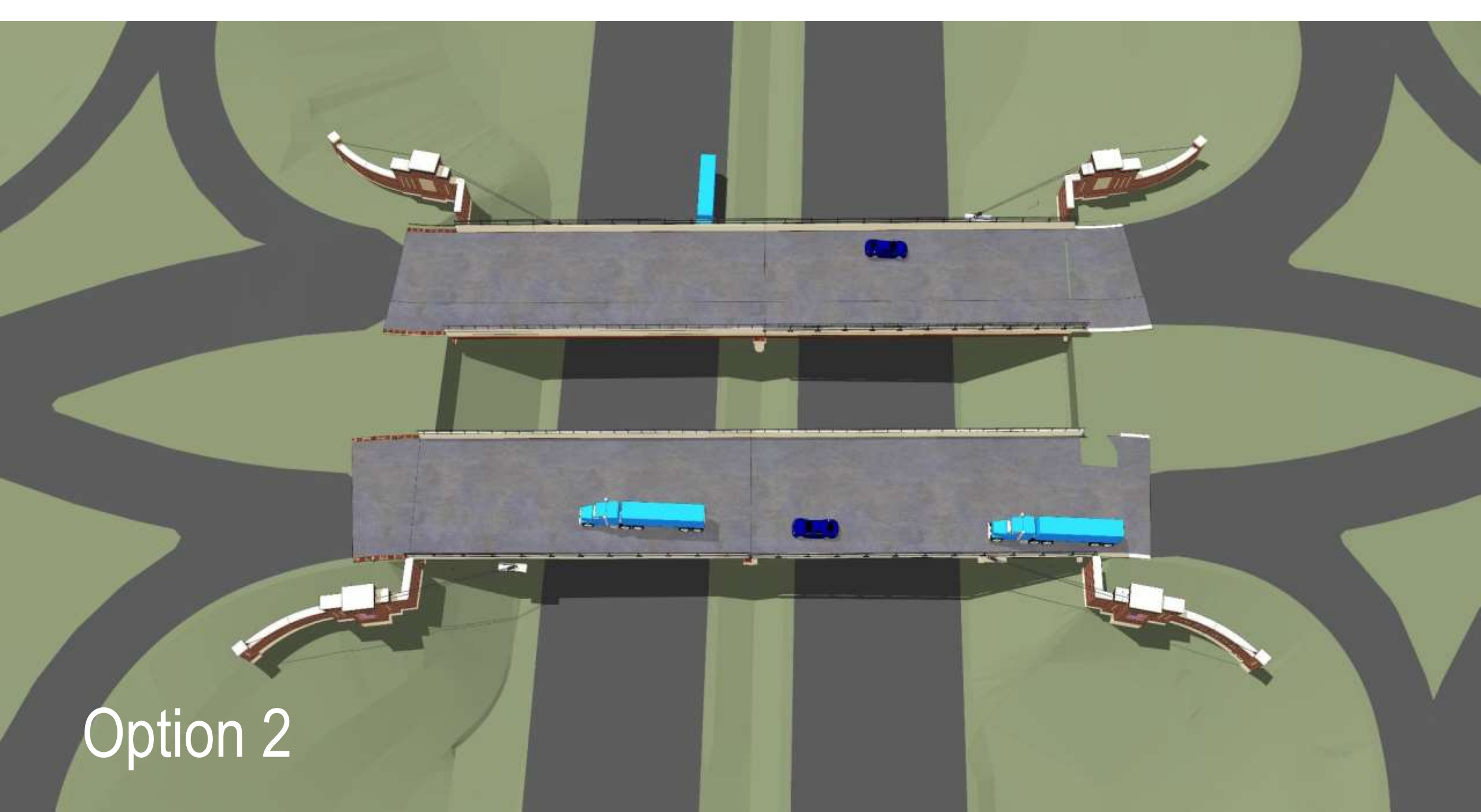
Option 2



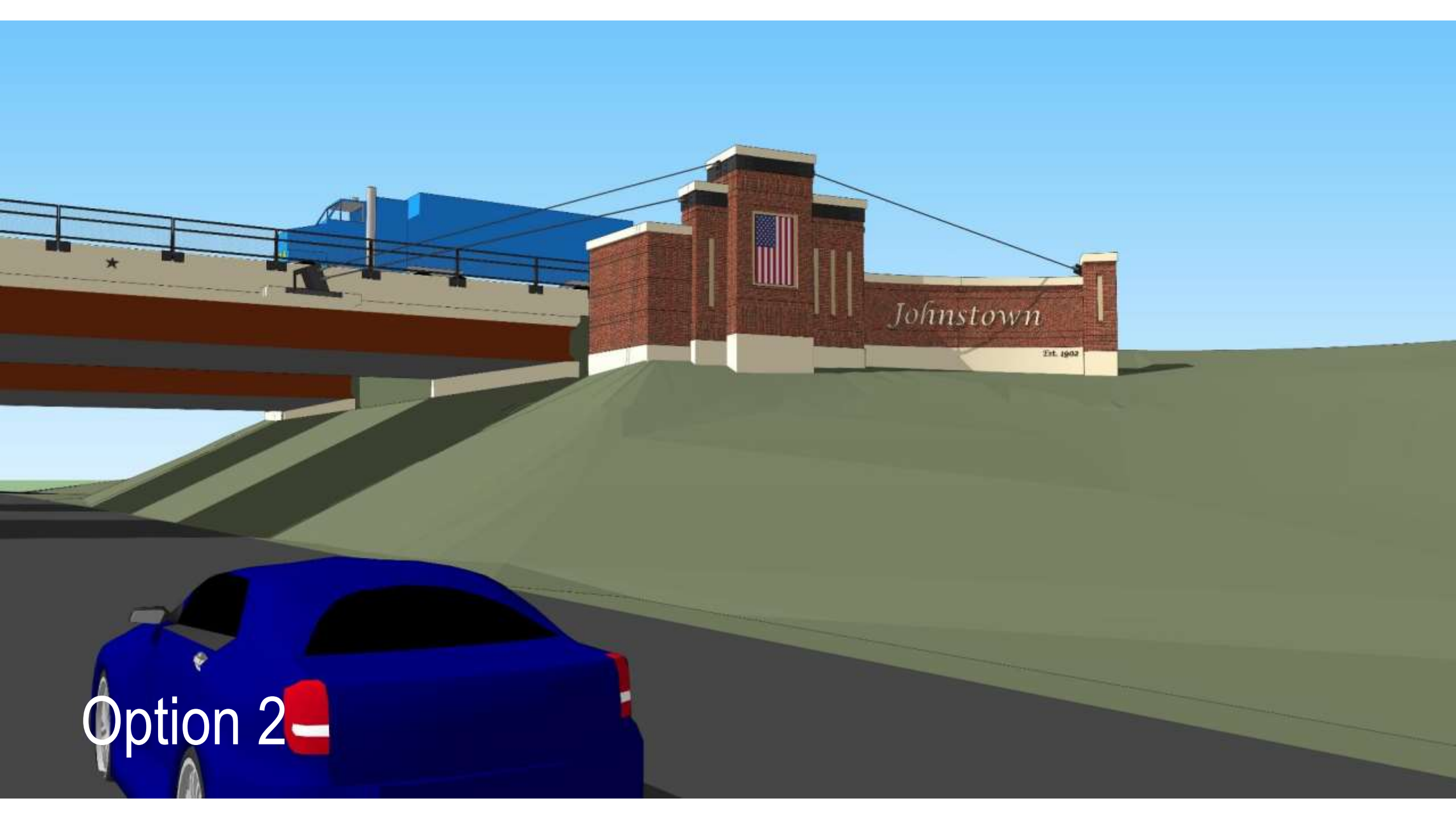
Option 2



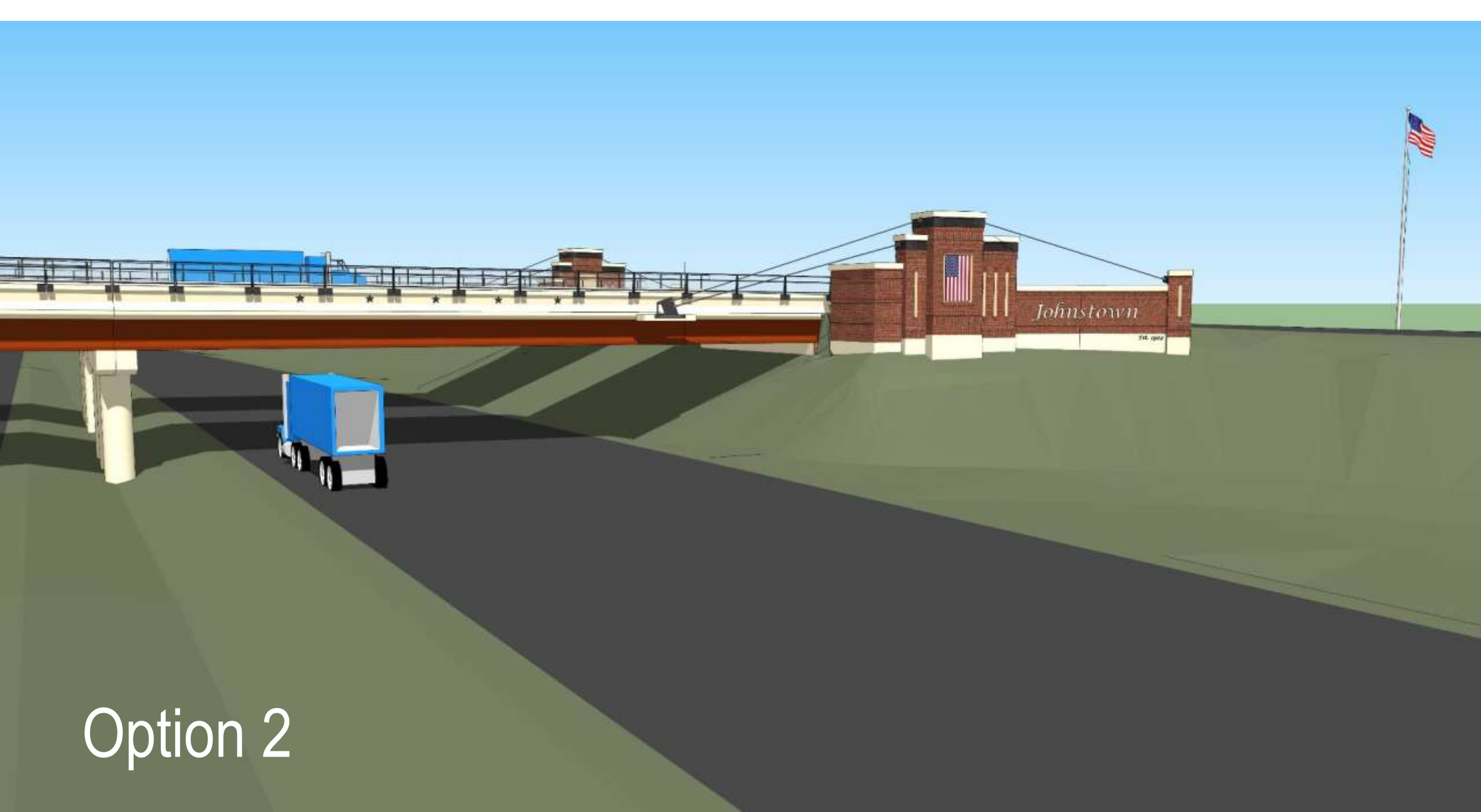
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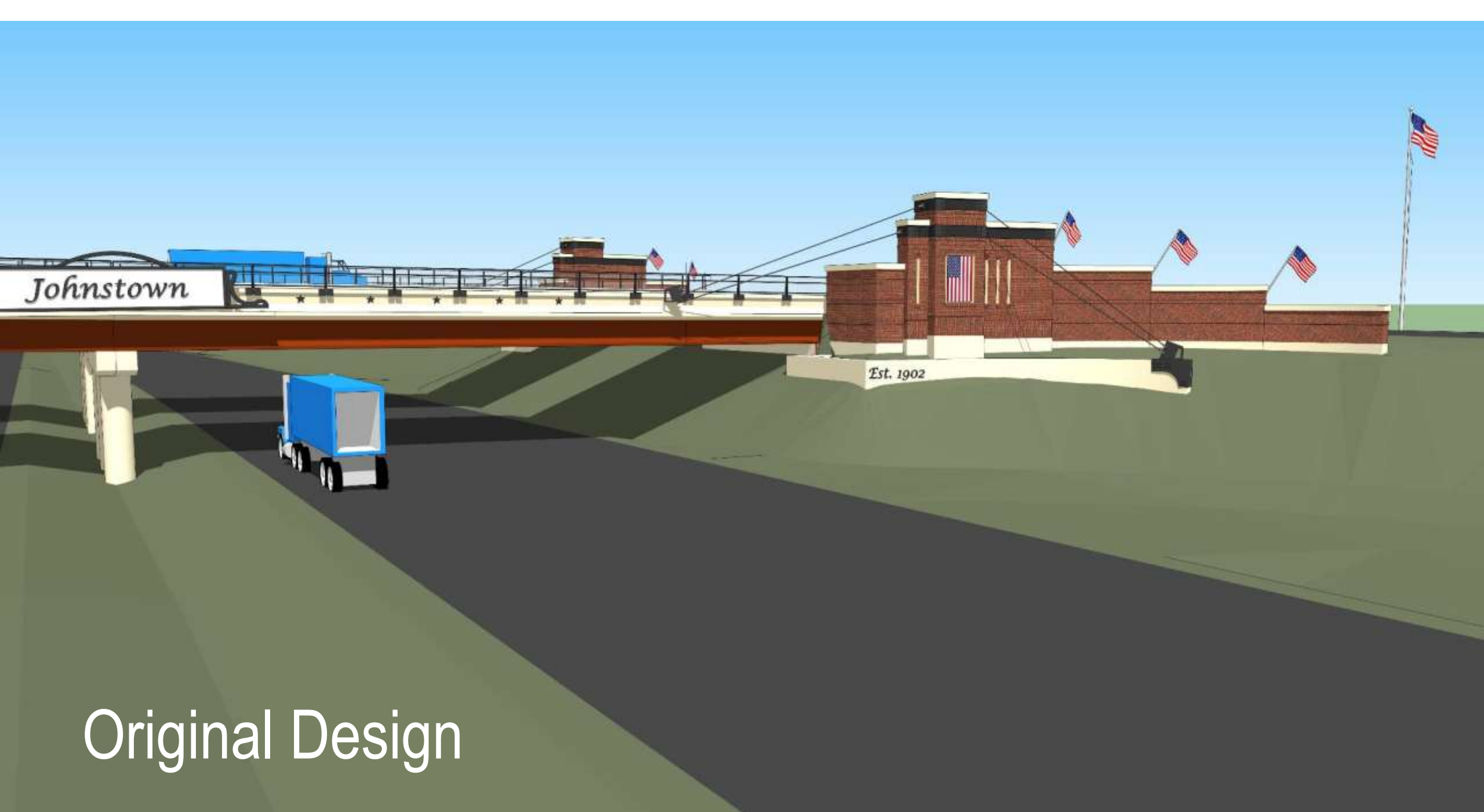
Option 2



Option 2



Option 2



Original Design



Johnstown Gateway Bridge

Revised Concepts for Bridge Monuments

Town's Project Budget (Design & Construction)	\$3,400,000
Original Design Pricing	\$6,610,000
Option 1 – Monument with standalone signs at approaches	\$4,390,000
Option 2 – Monument with integrated sign	\$4,450,000
Roughly \$1.2M over budget	

Johnstown Gateway Bridge

Value Engineering Options

Eliminate Enhanced Fencing on Bridges	(\$900,000)
Eliminate Cables and Cable Anchors	(\$85,000)
Eliminate all Monument Lighting	(\$55,000)
Eliminate Pedestrian Lighting on Bridge	(\$55,000)
Eliminate 80' Flagpole & Associated Lighting	(\$35,000)
Further Reduce Size/Scale of Monuments	(\$TBD)
Replace Brick with Hand-Stained Precast Panels with Form Liner	(\$TBD)

Questions or Comments?