



I-75 Interchange @ Hamilton Place Blvd

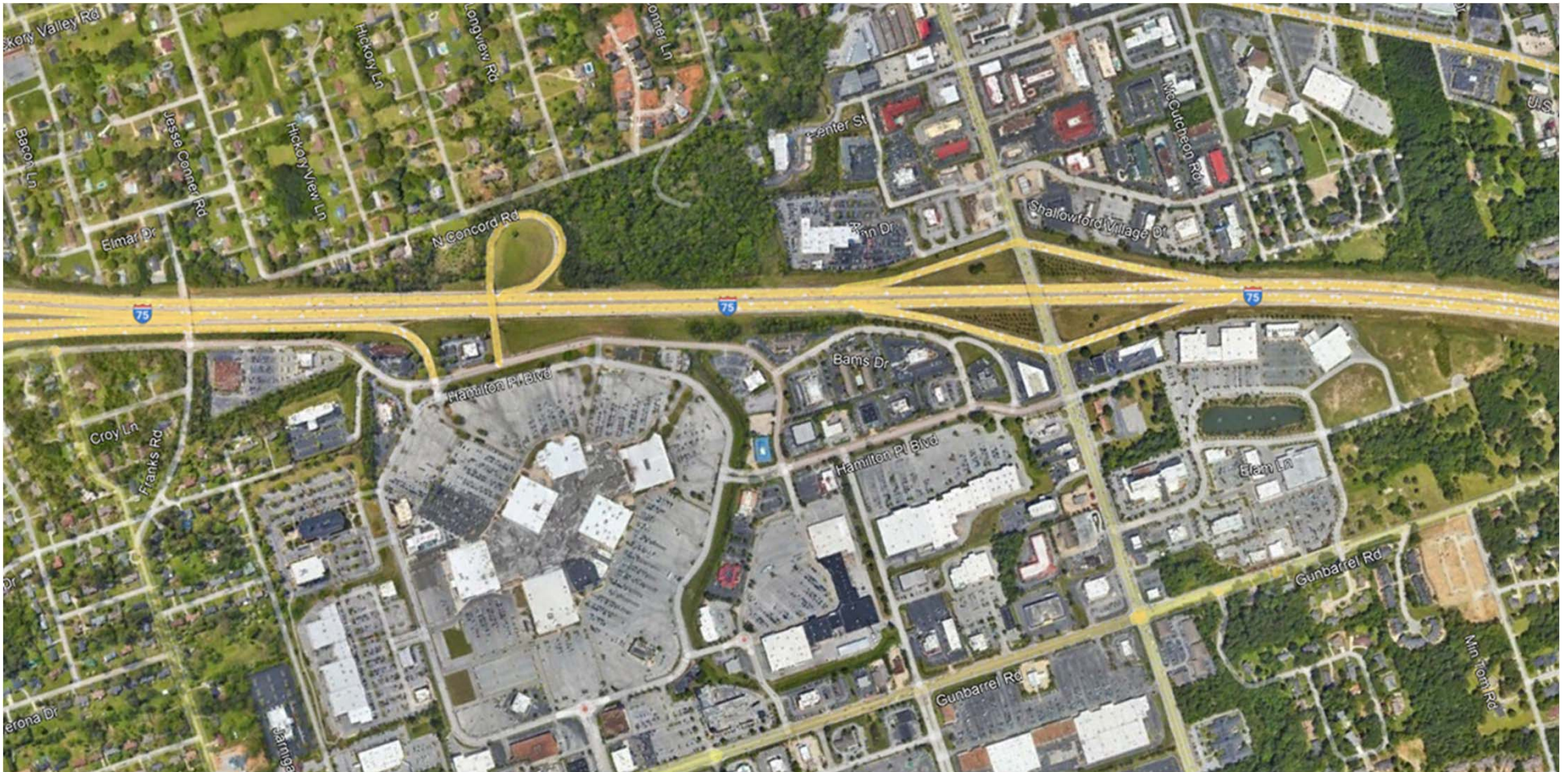
PIN 123105.00

Hamilton Place Blvd from north of Skyline Drive to south of  
Bams Drive

PIN 127492.00

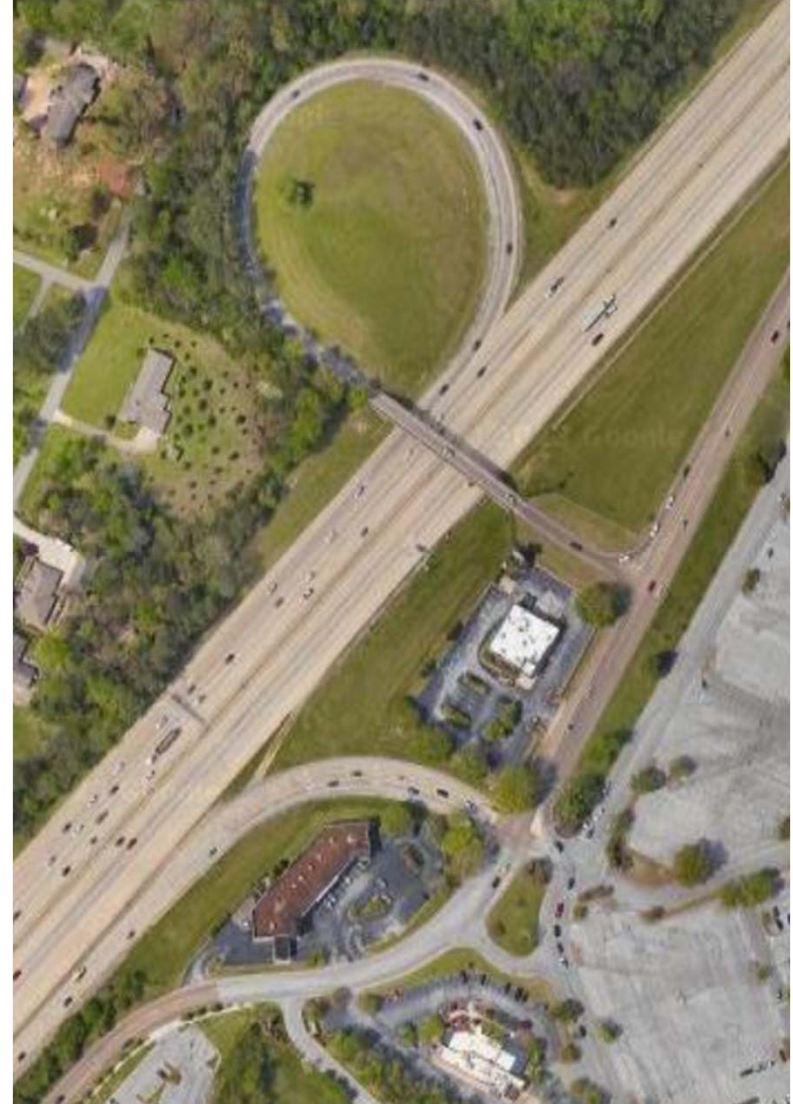
September 22, 2023

# Project Location and Overview



# Project Overview

- Letting Date: October 6, 2023
- The grading, drainage, construction of bridges and retaining walls, ITS, signals and paving with portland cement concrete on I-75 at the Hamilton Place Mall Interchange.
- The grading, drainage, construction of a retaining wall, signals and paving on Hamilton Place Blvd. from north of Skyline Drive to south of Bams Drive.
- ADT: 98,760 (I-75 Mainline)
- DBE Goal: 9.5%
- Completion Date: May 31, 2027
- Designer: Wisser Consultants, LLC
- Full CEI Oversight – RK&K, Inc.



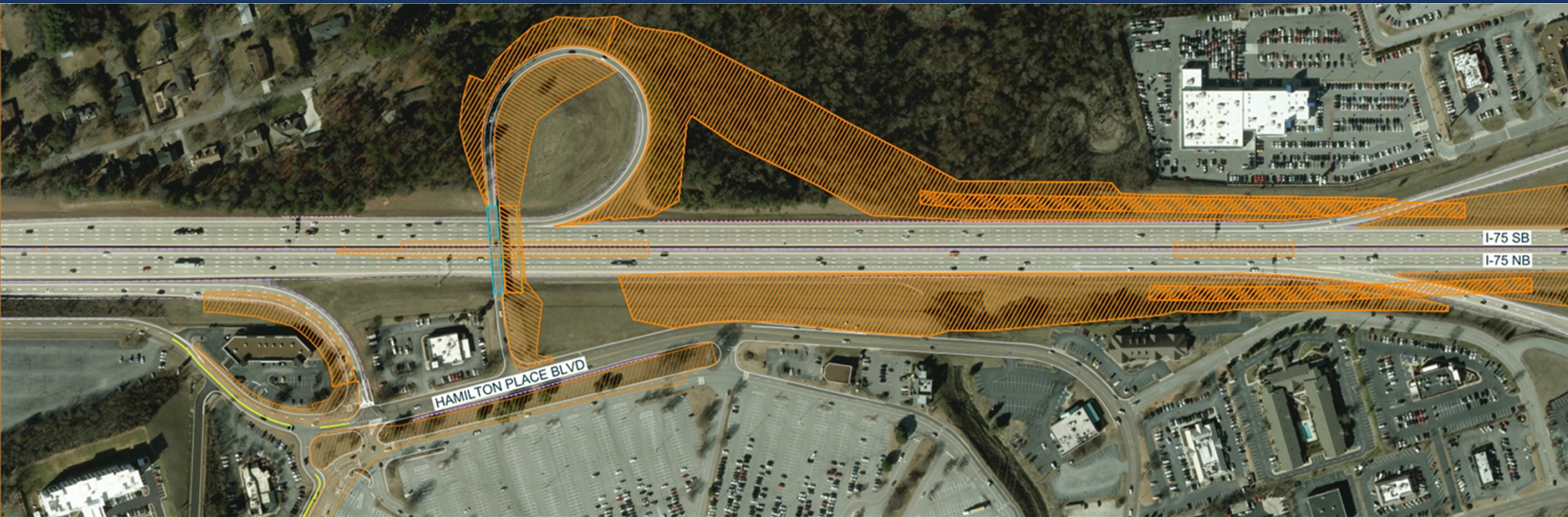
# Project Highlights: I-75/Hamilton Place Interchange

- Project Length: 1.7 miles
- Traffic Volume: 98,760 (2023) ADT; 120,480 (2043) ADT
- Grading, concrete paving, and drainage of two (2) new interstate ramps with 16-ft lanes, 6-ft inside shoulders, and 10-ft outside shoulders.
- Three (3) new bridges, including:
  - A new 225-ft, 2-span steel bridge over I-75.
  - A new 991-ft, 6-span concrete bridge over the I-75 northbound exit ramp to Shallowford Rd.
  - A new 1,414-ft, 11-span bridge over the I-75 southbound entrance ramp from Shallowford Rd.
- Nine (9) new retaining walls including two (2) soil-nail walls underneath the existing Shallowford Rd bridge.
- One (1) new noise wall.
- Deck repair work on the existing ramp and Shallowford Rd. bridges over I-75.
- Concrete repair work along I-75.
- New signing including six (6) new overhead signs.
- Interstate and ramp lighting.
- Utilities: AT&T (in contract); TVA (no relocations but coordination will be necessary for high voltage lines)

# Project Highlights: Hamilton Place Blvd.

- Project Length: 0.4 mile
- Traffic Volume: 16,880 (2023); 20,340 (2043)
- Grading, paving, and drainage of a 4-lane divided roadway with curb & gutter, 11-ft lanes, no shoulders, and 5-ft sidewalks along the east side of the roadway.
- Three signalized intersections, including:
  - Upgrades to the existing intersection of Hamilton Place Blvd./I-75 northbound exit ramp/Goodwin Road.
  - A new signal at the intersection of the I-75 SB entrance and exit ramps.
  - A new signal at the intersection of the new I-75 NB entrance ramp/mall entrance road.
- One (1) new retaining wall.
- Street-level lighting.
- Street Trees.
- Utilities: Chattanooga Gas, Tennessee American Water, EPB, Comcast, AT&T, City of Chattanooga Sewer (all move-prior/not in contract).

# Traffic Control - Phase 1



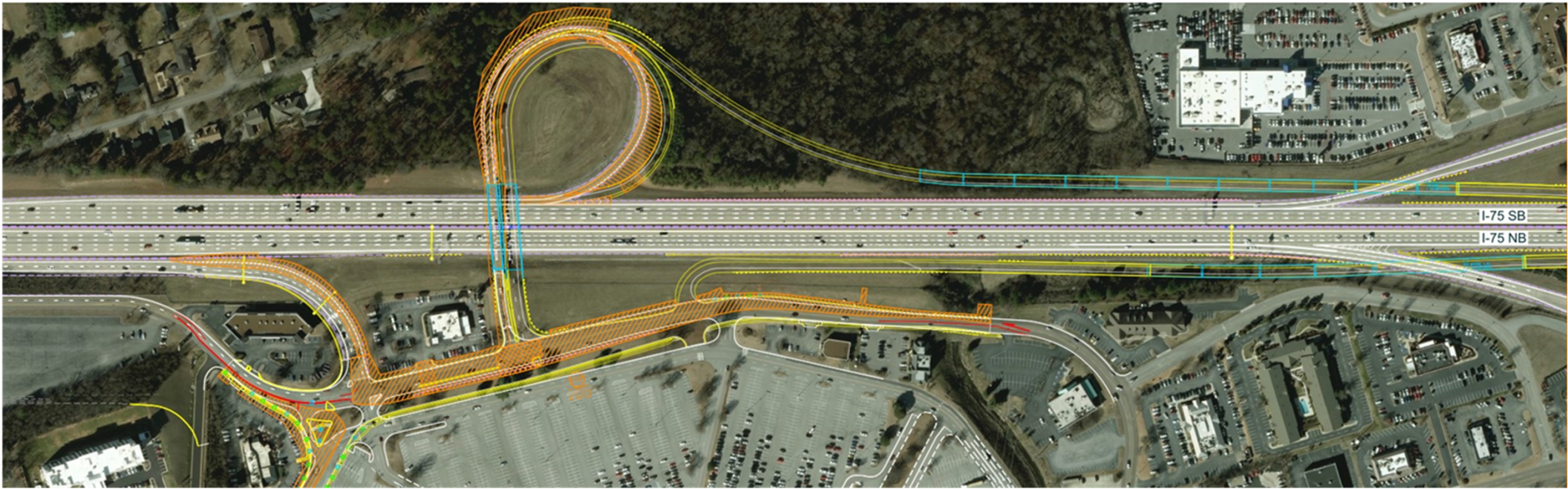
- I-75
  - Maintain 3 lanes in each direction.
  - Close the inside lane and shift traffic to the outside.
  - Construct bridges and overhead sign structures.
- Ramps
  - Construct portions of ramps outside of the existing traffic where possible.
  - Close Ramp B to complete tie-ins and bridge work. Open Ramp B once complete.
- Hamilton Place Blvd
  - Close current entrance to Mall loop road.
  - Construct retaining wall and build new section while maintaining existing traffic.

# Traffic Control - Phase 1



- Ramp G
  - Construct portion outside of the existing traffic.
  - Maintain two lanes of traffic.
  - Cross-drain shall be constructed under traffic.
- Ramp H
  - Maintain one lane of traffic.
  - Remaining tie in to Ramp D shall be completed in later phases.
- Shallowford Road
  - Complete pier protection

# Traffic Control - Phase 2



- I-75
  - Shift lanes to the inside of I-75 work on the outside shoulder.
- Ramp A
  - Shift traffic onto the right most lanes completed in phase 1.
  - Construct the left most lanes and incorporate the temporary shoulder used in phase 1 to the final proposed shoulder.
- Ramp C
  - Complete tie-ins to Ramp B and Hamilton Place Blvd.
- Hamilton Place Blvd
  - Shift traffic onto lanes built in phase 1.
  - Finalize drainage tie-ins.

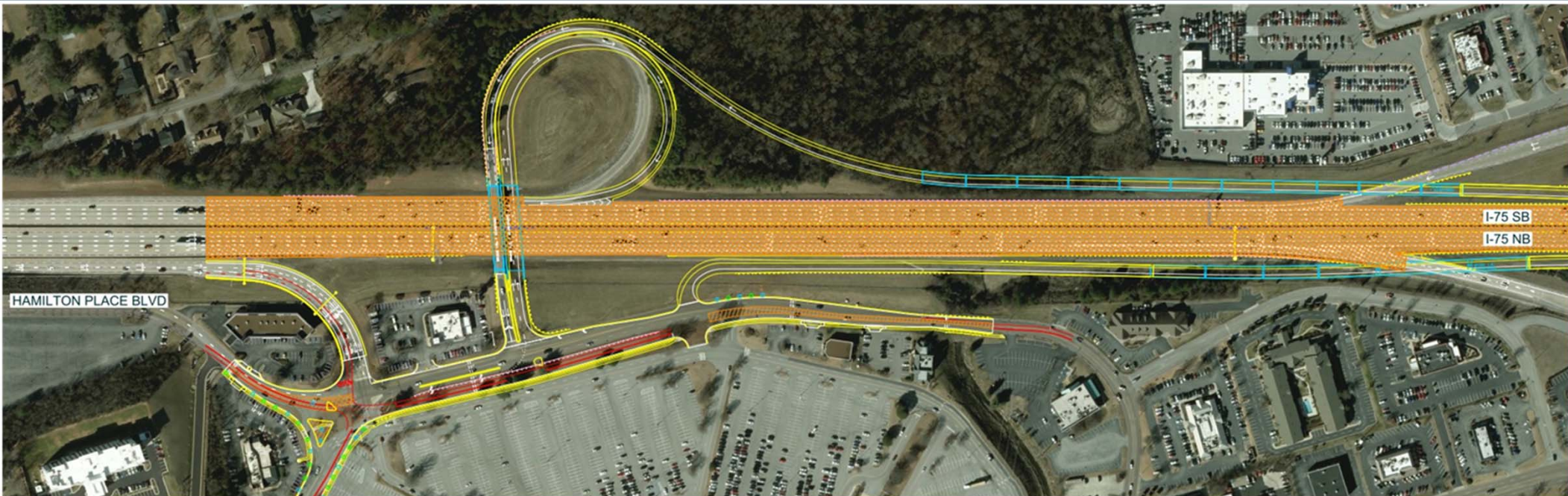


# Traffic Control - Phase 2



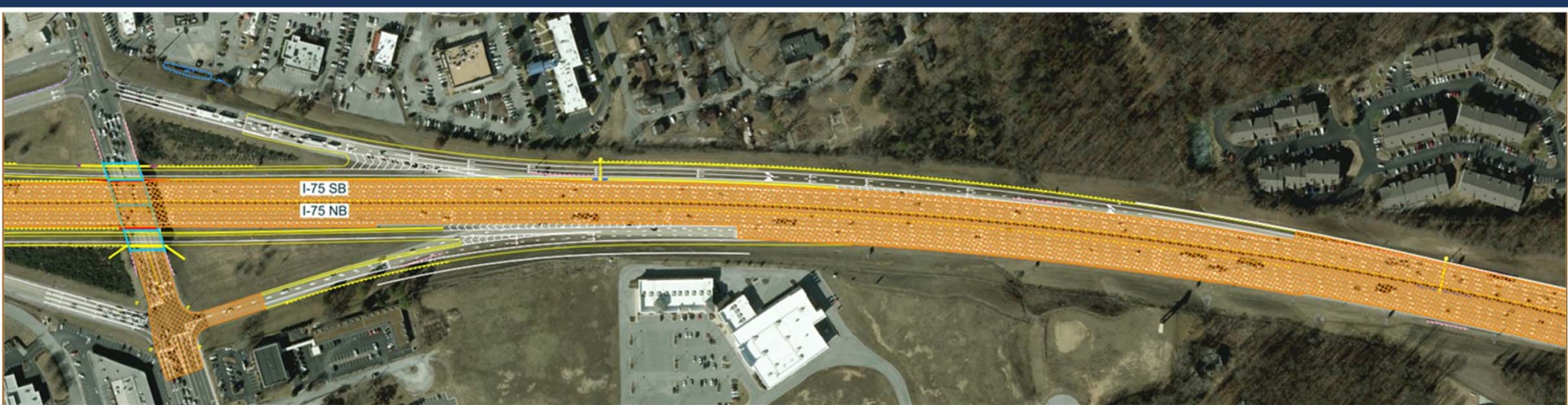
- Ramp G
  - Push traffic onto lanes constructed in phase 1.
  - Construct the median barrier wall and the tie-in to I-75.
- Ramp H
  - Shift traffic onto the right most lanes completed in phase 1.
  - Construct the left most lanes and the tie-in to I-75.

# Traffic Control - Phase 3



- I-75
  - Concrete grinding.
  - Final striping.
- Ramps
  - Complete and open.
- Hamilton Place Blvd
  - Finish median work and final striping.

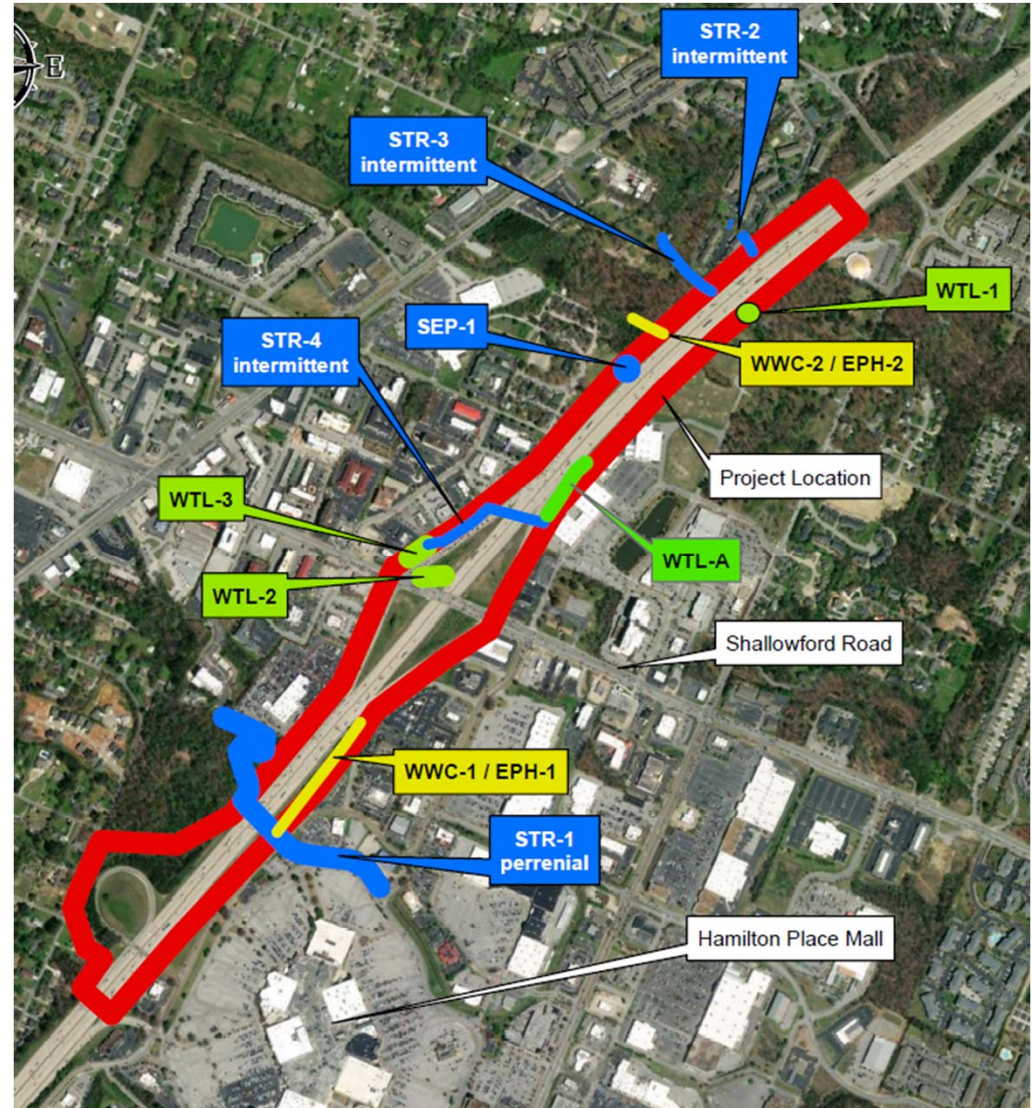
# Traffic Control - Phase 3



- I-75
  - Concrete grinding.
  - Final striping.
- Ramps
  - Complete and open.
- Shallowford Road
  - Milling and Overlay of asphalt near Ramp H.
  - Final pavement striping.

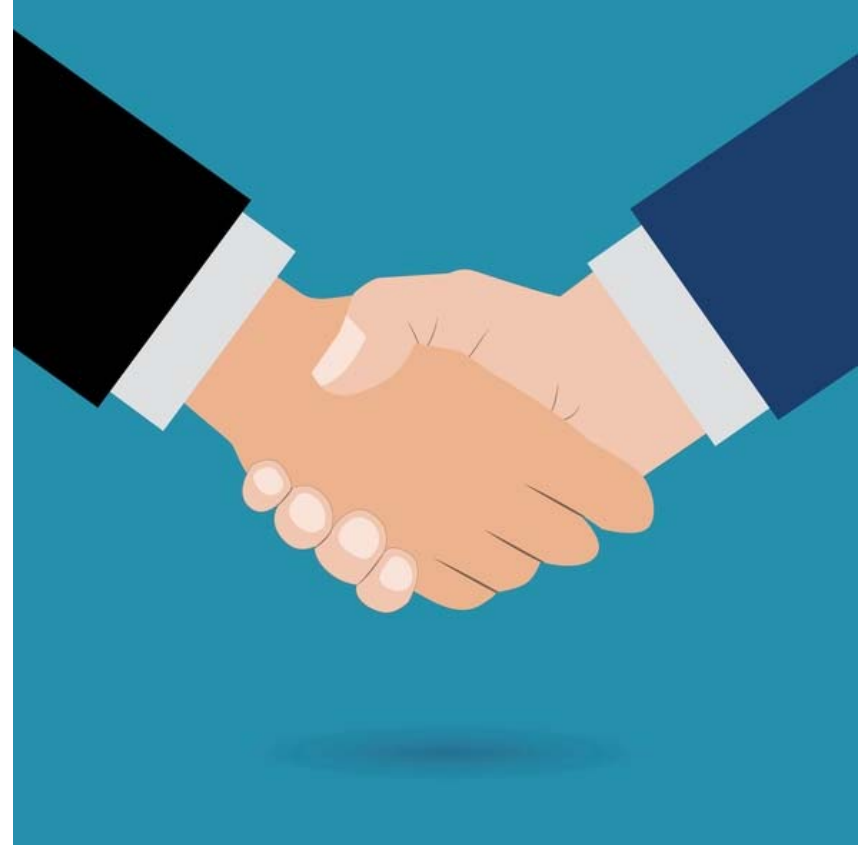
# Permits and Environmental Features

1. Water Quality Permits include TDEC §401 Water Quality Certification and Aquatic Resource Alteration Permit NRS22.231 and USACE Nationwide Verification File No. LRN-2019-00882
2. USACE Linear Transportation Projects terms & conditions apply.

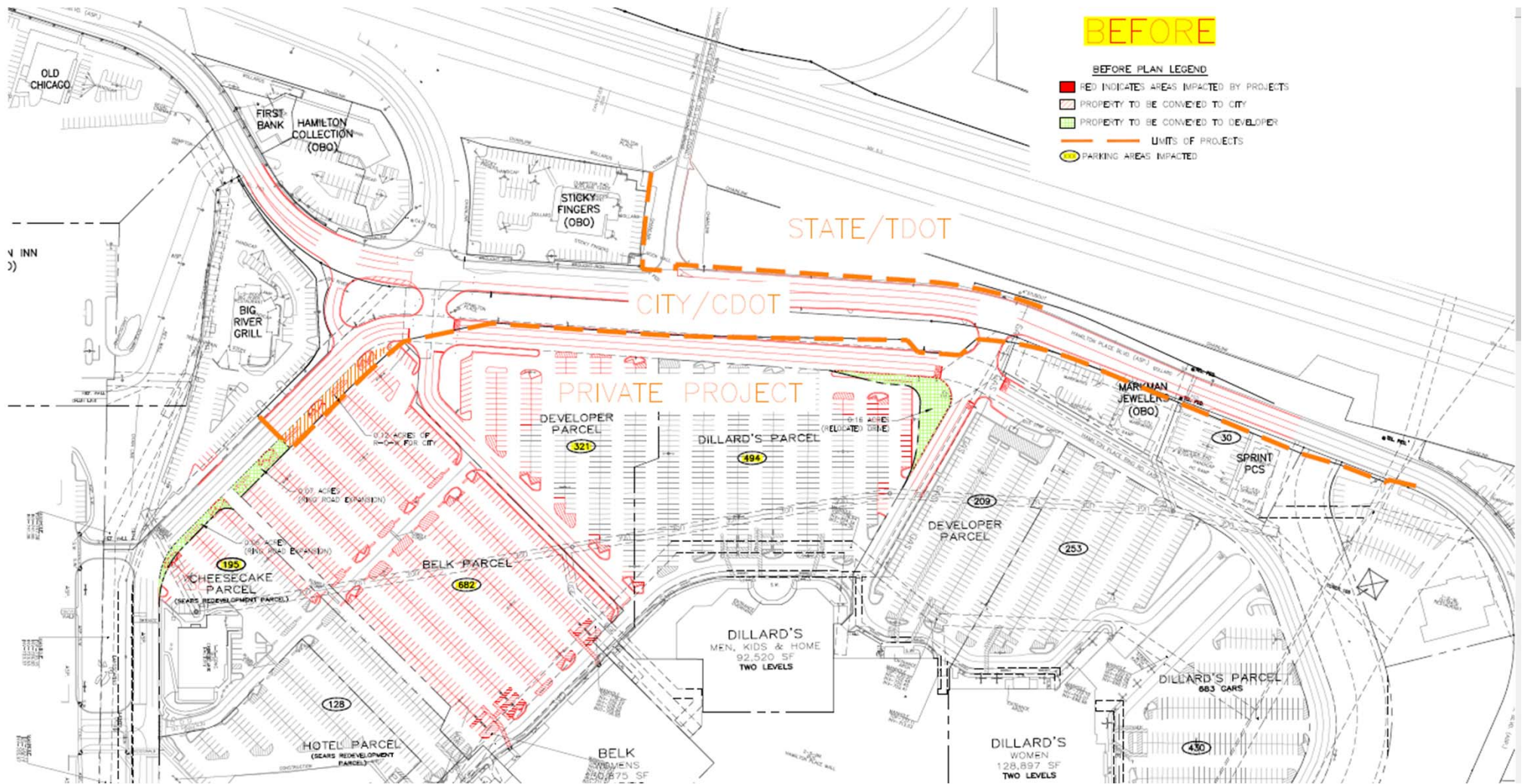


# Key Stakeholders

- Hamilton Place Mall – CBL Properties
- Businesses Adjacent to the Mall
- City of Chattanooga
- Motoring Public
- TDOT



# Hamilton Place Mall – Existing Conditions





# Scheduling and Constructability

1. Due to the project providing access to a major shopping area, lane closures are limited between November 15th – the Friday following New Year’s Day throughout the life of the project.
2. Proposed Ramp C crosses the centerline of proposed Ramp B at a new grade, which will require the temporary closure of Ramp B (the existing on-ramp from Hamilton Place Blvd. to I-75 SB) for a duration of no more than 30 consecutive days.
3. The project will be adjacent to the work to be performed on the I-75/I-24 Phase II Design/Build project. Frequent coordination will be required between the two projects; however, the Design/Build contractor will have priority for lane closures on I-75.
4. The Hamilton Place Mall will be completing a project on their parking lot and private roads to match the new configuration of Hamilton Place Blvd. Work on the Hamilton Place Blvd. project will need to be coordinated with their adjacent project.
5. Rolling roadblocks will be allowed for the construction of Bridge 1 over the interstate and up to four weekend closures per ramp will be allowed on the Shallowford Road ramps for the construction of Bridges 2 and 3.



# Special Provision 108B

- Traffic Control during construction is an important aspect of this project, given both the volume on I-75 and proximity to commercial areas.
- TDOT has prepared SP108B to define lane, ramp, and mainline closure opportunities for contractors to plan and efficiently complete elements of work requiring such closures.
- Maintaining existing traffic patterns and capacity will contribute to the project's success.

# Special Provision 108B

## **Hamilton Place Mall Seasonal Restrictions:**

No lane closure or traffic shifts will be allowed on I-75 or Hamilton Place Blvd or its exit ramps to Hamilton Place Blvd and Shallowford Rd. during the 2023 holiday shopping season from November 15, 2023 through January 6, 2024. Temporary lane closures will be allowed starting January 7, 2024.

For the duration of the contract, during the holiday shopping season, the contractor will be required to maintain a minimum of three lanes of traffic in each direction on I-75 along with two lanes of traffic on the following exit ramps: I-75 SB to Hamilton Place Blvd, I-75 SB to Shallowford Rd, and I-75 NB to Shallowford Rd from 6:00 AM to 8:00 PM Monday through Sunday. The holiday shopping season begins on November 15 and extends through the Friday following January 1 (New Year's Day) yearly.

For each hour, or portion thereof, in which a lane is closed to traffic outside of these restrictions, the contractor will be charged \$6,000 per hour per lane, not as a penalty, but as liquidated damage.

# Special Provision 108B

## **Bridge 1 Construction Restrictions:**

The I-75 Southbound entrance loop ramp, existing Ramp “B”, and the existing ramp bridge over I-75 may be closed for up to 30 consecutive calendar days. Concurrence for this closure must be approved by the Department 30 days prior to implementation. No other interstate ramp closures at the Hamilton Place Boulevard interchange or Shallowford Road interchange will be allowed during this ramp closure. This ramp may not be closed if the East Brainerd Southbound entrance ramp is not open. This closure will not be allowed during the Hamilton Place Mall seasonal restrictions defined above. Traffic wanting to travel I-75 Southbound will be detoured to I-75 Southbound entrance ramp at Shallowford Road.

For each hour, or portion thereof, in which a lane is closed to traffic outside of these restrictions, the contractor will be charged **\$6,000** per hour per lane, not as a penalty, but as liquidated damage.

# Special Provision 108B

## **Rolling Roadblocks:**

Rolling roadblocks are permitted during the erection/construction of overhead signs and setting of bridge beams. These roadblocks shall be conducted by law enforcement agencies. Rolling roadblocks will only be allowed at night between 9:00 PM and 6:00 AM, with a maximum duration of 30 minutes. Contractor to allow 30 minutes between each rolling roadblock, or until traffic has reached free-flow, whichever happens first.

For each 15-minute period, or portion thereof, in excess of the allotted 30-minute period that traffic is controlled by a rolling roadblock, the sum of **\$3,000** per lane shall be deducted from the monies due the Contractor, not as a penalty, but as liquidated damages.

# Special Provision 108B

## **Shallowford Road Interchange Restrictions:**

The I-75 Southbound entrance ramp at Shallowford Road and the I-75 Northbound exit ramp at Shallowford Road will be allowed up to four weekend closures each, from 8:00 PM Friday evening through 6:00 AM Monday morning. This is to allow the construction of the bridges over each of the ramps. During these weekend closures, traffic will be detoured to the Bonny Oaks interchange via I-75 Northbound. When one ramp is closed, no other interstate ramp closures at Hamilton Place Boulevard or Shallowford Road will be allowed. Ramp closures will not be allowed during the Hamilton Place Mall seasonal restrictions defined above. Concurrence for these ramp closures must be approved by the Department 30 days prior to implementation.

For each hour, or portion thereof, in which a lane is closed to traffic outside of these restrictions, the contractor will be charged \$6,000 per hour per lane, not as a penalty, but as liquidated damage.

# Special Provision 108B

## **I-75 Mainline and Ramp Concrete Repair Restrictions:**

A total of 10 continuous weekend closures will be allowed for full depth I-75 concrete repairs and ramp slab repairs (excluding grinding, sawing, sealing, etc.) to be completed from 9:00 PM Friday until 6:00 AM Monday. Two lanes in each direction must be maintained at all times.

For each hour, or portion thereof, in which a lane is closed to traffic outside of these restrictions, the contractor will be charged \$6,000 per hour per lane, not as a penalty, but as liquidated damage.

## **General Restrictions:**

All lane closures must be approved in advance by the Engineer. A minimum of seven days' notice must be provided in advance of any closure.

Temporary lane closures on I-75 will be allowed nightly from 8:00 PM to 6:00 AM. A minimum of 3 lanes of traffic must be maintained on I-75 outside of these time restrictions.

For each hour, or portion thereof, in which a lane is closed to traffic outside of these restrictions, the contractor will be charged \$6,000 per hour per lane, not as a penalty, but as liquidated damage.

# Special Provisions

- 107C – Availability of ROW (Added via Addendum 1)
- 107FP – Environmental Permits (Added via Addendum 3)
- 108C – Liquidated damages for CEI administered contracts
- 109A & B – Payment adjustment for fuel and bituminous materials
- 109ETAS – E-ticketing for asphalt
- 202ACM – Removal of Asbestos Containing Material (ACM)
- 407IC – Intelligent compaction for hot mix asphalt
- 503 – Concrete Grinding
- 624 – Retaining Walls
- 625 – Drilled shafts
- 700SIG – Highway Signs, Luminaires & Traffic Signals
- 712PTQ – Protect the Queue
- 716CPM – Contrast Pavement Marking
- 725 – Technical Specifications (currently placeholder only – upcoming addendum)
- 730A – Temporary Traffic Control (Signalization)

# Bidding Requirements

- Attend Mandatory Pre-Bid Meeting
- Be prequalified with the Department in Good Standing
- Submit Bid Authorization by 4:00pm (central) Thursday, October 5

Contractor Prequalification Info (Deadline to submit is today):

<https://www.tn.gov/tdot/tdot-construction-division/construction-contractor-prequalification.html>

October Letting Info (bid authorization form):

<https://www.tn.gov/tdot/tdot-construction-division/bid-lettings/2023-bid-lettings/october-6--2023-letting.html>



# Questions

Please submit RFIs by email to [Ryan.Sweeney@tn.gov](mailto:Ryan.Sweeney@tn.gov).

RFIs will be accepted up until Friday, September 29, at 4:00 p.m. CDT.

Responses will be posted to BidExpress as Addendums

Questions Received to Date:



# Questions