

A circular inset image showing a view of the Nashville skyline. The prominent building is the AT&T Building, with its distinctive spire. Other buildings of various heights and colors (red brick, blue glass) are visible. In the foreground, there's a river with a wooden pier and some greenery.

METRO NASHVILLE DEPARTMENT OF TRANSPORTATION & MULTIMODAL INFRASTRUCTURE

TSITE WINTER MEETING FEBRUARY 23, 2022

***NASHVILLE DEPARTMENT of TRANSPORTATION
& MULTIMODAL INFRASTRUCTURE***



MISSION

The Nashville Department of Transportation & Multimodal Infrastructure develops and maintains a transportation network that offers choice and connects neighborhoods, residents, and businesses to the places they need and want to go in a safe and efficient manner.

NDOT

HOW IS NDOT DIFFERENT FROM THE FORMER DEPARTMENT OF PUBLIC WORKS?

- The Nashville Department of Transportation and Multimodal Infrastructure houses all right-of-way transportation-related functions for Metro, **except for greenways and transit.**
- NDOT does not handle Solid Waste functions. *Solid Waste has moved to Metro Water Services and will be managed out of that department moving forward.*
- The creation of NDOT involved restructuring many transportation-related functions of the former Department of Public Works.



WHAT ARE NDOT'S FUNCTIONS?

NDOT manages Metro-owned right-of-way in Davidson County and is responsible for transportation-related functions in this right-of-way. Road maintenance, traffic signals, paving, sidewalks, bikeways, bridges, capital roadway improvements, stop signs and pavement markings, are all functions housed within NDOT.

NDOT



METRO FUNDING

NDOT is currently funded through both the operating and capital budgets.

- NDOT received \$115 million in new capital spending including \$20 million in traffic & safety projects, \$30 million for paving, \$21 million for sidewalk repair and construction.
- NDOT received 42 new positions in the Metro Nashville Operating Budget, including 20 new positions in project development and delivery.

NDOT



METRO NASHVILLE TRANSPORTATION PLAN PROJECT LIST HIGHLIGHTS

www.Nashville.gov/departments/transportation,

Click on “Metro Nashville Transportation Plan”

Additional information available in
*Appendix 1: Project Lists by
Council Districts*

NDOT

Transit	
Better Bus Service Expansion	\$180M ²
Murfreesboro Pike Bus Rapid Transit	\$413.3M
Clarksville Pike Rapid Bus	\$92.9M
WeGo Star Commuter Rail Improvements	\$139.6M ³
Total Transit	\$825.9M¹
Traffic/Multimodal/Safety	
Sidewalks	\$200M
State of Good Repair	\$200M
Jefferson St. Multimodal Cap/Connector	\$175M
Restoration & Resiliency, State Routes, Partnership Funding, and Innovation/ Sustainability corridors	\$117M
Safety/Vision Zero/Traffic Calming	\$75M
Active Transportation/Bikeways/Greenways	\$35M
Traffic Management System/Signal Upgrades	\$15M
Downtown Neighborhood Traffic Project	\$1M
Traffic/Multimodal/Safety Total	\$818M
All Projects Total	\$1.6439B

Notes:

¹ Total annual operating \$34.71M

² Annual operating \$29M, which also includes Murfreesboro Pike BRT and Clarksville Pike Rapid Bus annual operating

³ Annual operating \$5.71M

METRO NASHVILLE TRANSPORTATION PLAN

Immediate

Be “opportunistic” in our funding approach. Pursue grants and partnerships to advance initial programs, projects, and initiatives.

Intermediate

Develop and implement local funding package to advance Nashville’s Transportation Plan. Identify and secure dedicated local funding source(s) for transportation. Continue pursuing grants and partnerships to advance intermediate programs, projects, and initiatives.

Mid/Long-Term

Advance Nashville’s Transportation Plan. Continue pursuing grants and partnerships to advance intermediate programs, projects, and initiatives. Seek innovative ways to fill project funding gaps and advance projects, including value capture and private involvement opportunities.



Note: Coordinated through the Metro Nashville CIB and CSP processes for local funding commitments

Anticipated funding opportunity for 60% of the program through federal/state

ACTIVITIES



CURRENT ACTIVITIES

- Coord smart loading and unloading pilot
- Smart Parking Contract
- **Walk N Bike Master Plan Update (2/22/22)**
- Charlotte Ave Smart Corridor design (ATCMTD award)
- **Vision Zero Action Plan underway (3/1/22)**
- **Lighting improvements partnership with NES, TDOT and MPW**
- Business process improvements (project/program mgt., utility coordination, performance driven)
- **Downtown Neighborhood Traffic Project**
- Performance based management



UPCOMING PROJECT INITIATIVES

- North Nashville Transit Station (managed by WeGo)
- INFRA I-40 Cap development
- Equity By Design
- Traffic Management Center Project
- Design Standards Updates (Including Complete Street concepts)
- Traffic Calming Program Enhancements
- East Bank Spine Road & related Infrastructure
- NDOT Project Management Manual
- Parking Management



Nashville DOT

Traffic Management Center
Deployment Project Update
February 23, 2022



NDOT




**FHWA/TDOT Congestion Mitigation
Air Quality Grant Award
January 14, 2022**

**Deployment & Implementation Funding: \$3,655,000.00 Award
(100% with No Local Match Requirement)**

TMC Project Schedule:

- 6/11/21 – Project Kickoff was Held
- 11/1/21 – 60% plans were submitted to NDOT for TMC and ITS/fiber plans (Gallatin Pike & Nolensville Pike – see attached maps)
- 2/16/22 – Meet with NES to discuss fiber attachment questions/process
- 2/22/22 – Meet with TDOT Region 3 to discuss coordination with Nolensville Pike widening project and fiber sharing
- 4/4/22 – 95% Plans submittal
- Early 2023 - The construction/implementation of the TMC, using the recently awarded Federal CMAQ dollars, is expected to begin.




**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**
COMMISSIONER'S OFFICE
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NASHVILLE, TENNESSEE 37243-1402
(615)741-2848

JOSEPH GALBATO, III
INTERIM COMMISSIONER

BILL LEE
GOVERNOR

January 14, 2022

Devin Doyle, Senior Traffic Engineer
Metropolitan Gov. of Nashville and Davidson County
720 South 5th Street
Nashville, TN 37204

Dear Mr. Doyle,

It is my pleasure to inform you that the Tennessee Department of Transportation (TDOT) has selected your proposal for funding under the Congestion Mitigation and Air Quality Improvement (CMAQ) Program. The Traffic Management Center will receive \$3,655,000 in federal CMAQ funds, with no Local Match requirement. The total project cost is \$3,655,000. The federal amount is pending any ADA Compliance findings per Instructional Bulletin No. 19-02. Should any new or additional compliance issues arise during the project process, the total project award and/or match amounts will need to be adjusted accordingly.


All CMAQ projects must meet the Federal Highway Administration's (FHWA) Buy America requirements (23 USC 313 and 23 CFR 625.410) for any steel or iron product, including protective coatings, that are permanently incorporated in the project. The first year of funding for this project will be determined by the amount of CMAQ funds TDOT receives, and how quickly you request the start of the federal obligation process.

Please note the steps listed below to initiate your project:

- Per the pending contract, this project must have construction funding authorized by FHWA no later than January 14, 2024 or the project will be automatically canceled, and funding withdrawn. This Program requirement cannot be waived nor can funding be secured simply through a contract extension.
- Please work with the Nashville Area Metropolitan Planning Organization (MPO) to get this project amended into the region's Transportation Improvement Program (TIP). You have 30 business days from the date of this letter to submit your project initiation packet. If you are unable to meet this deadline, a justification must be provided and approved.
- Familiarize yourself with the required procedures throughout the development of your project and visit the "Documents and Forms" section of TDOT's Local Programs Development Office website to obtain the latest version of the Local Government Guidelines Manual and other relevant information.
- Contact Simchan Edwards to complete Form 3-1, Project Initiation Form and Checklist to begin the project development process.

Once again, congratulations. Please reach out to TDOT.CMAQ@TN.gov with any questions moving forward.

Sincerely,


Joseph Galbato III
Interim Commissioner, Tennessee Department of Transportation

Existing Operational Systems



- Traffic Signals: NDOT is responsible for maintaining and operating 870 signals located within Davidson County.
- Flashing Beacons: NDOT is responsible for maintaining 440 flashing beacons.
- Reversible Lane Signals: NDOT is responsive for operating and maintaining approximately 20 reversible lane signals.
- Communications:
 - 250 cell modems (28% of system)
 - Antiquated twisted pair copper (50% of system).
 - Fiber Optic Communications (12% of system)
 - No Communications (10% of System)



Traffic Management Center Grant Items:

- Video Wall Display Monitors & Ancillary Hardware
- Upgraded Workstation Consoles
- Upgraded Workstation Computers & Servers
- Upgraded Fiber Optic Cable Components
- Installations of New Communications & Network Equipment
- Signal System & Optimization Software



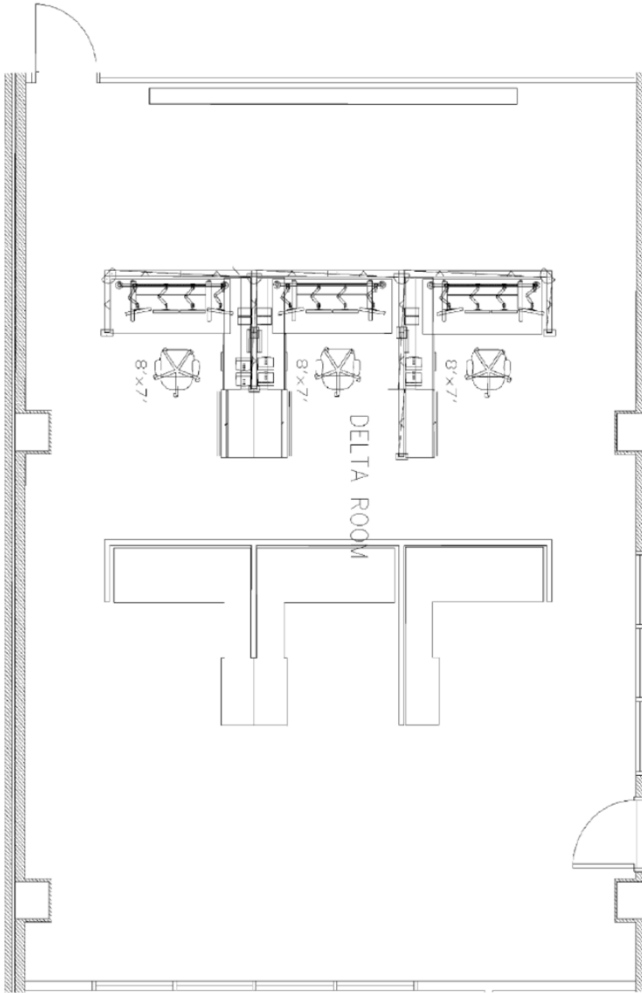


Traffic Management Center Staff Funding for 3 years

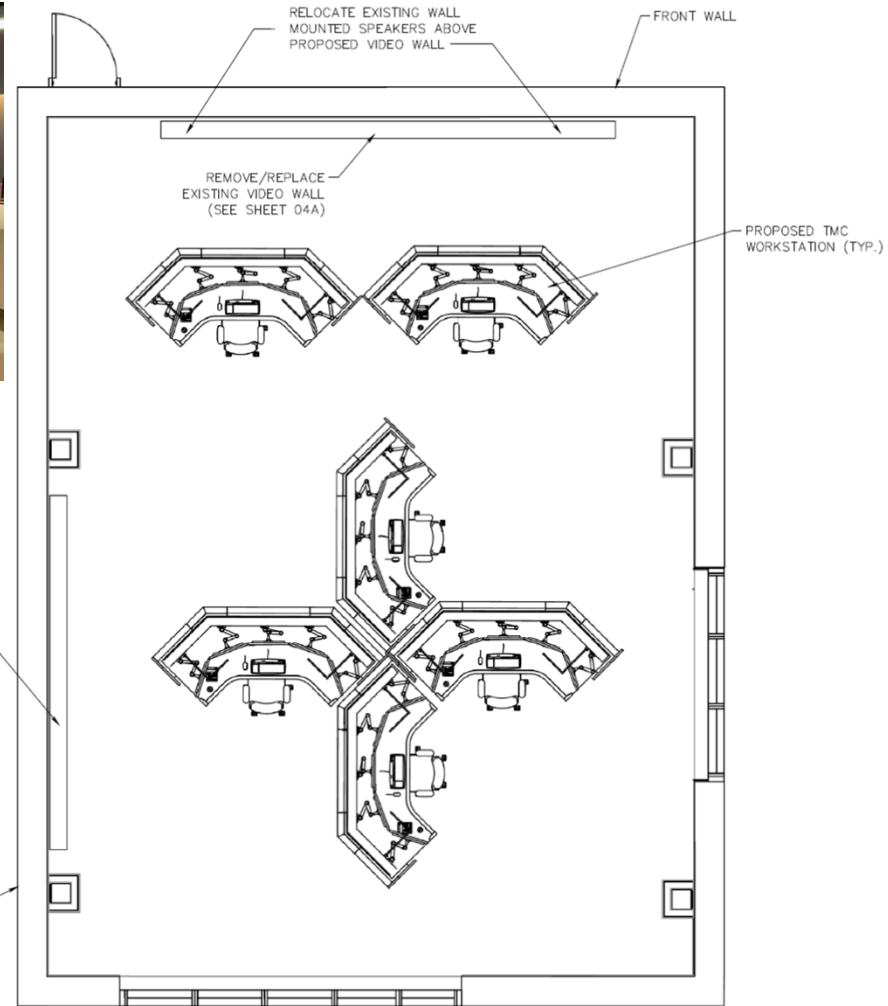
Staffing Responsibilities:

- Operating Smart Traffic Signals
- Managing Reversible Lanes
- Regularly Updating Time-Based Coordination Timing Plans
- Implementing & Maintaining Traffic Responsive Timing Plans
- Transit Priority System Coordination Expansion & Support
- Coordination with TDOT & Other Partner Agency Operation Centers During Incidents & Special Events
- Continuous real-time operations support





Existing TMC Floor Plan



Proposed TMC Floor Plan

Thank You!

Brad Freeze, PE

Chief Engineer/Assistant Director

Brad.Freeze@Nashville.gov, 615-202-1391

NDOT

