



NC Toll Policy Handbook Update

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Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina



Agenda

- 1 NC Toll Policy Background
- 2 Toll Policy Handbook Update
- Scope & Coordination
- 4 Survey Results
- **5** Q&A

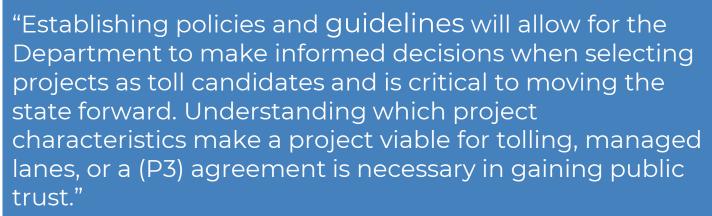


NC Toll Policy Background



NC Toll Project Development Policy (NC Toll Policy)

In 2017, the General Assembly urged NCDOT to better define its process examining the financial feasibility using toll financing to advance the delivery of expressways or price managed lane projects.



- Senators Meredith, Davis, McInnis and Rabon April 6, 2017





Toll Policy Objectives

NCDOT toll policy was adopted in 2018 to

- Im prove NCDOT's ability to manage a reliable transportation network, address congestion, leverage limited financial resources and provide more user choice
- Expand the Department's consideration of toll financing as an integral and important strategy to deliver critical, time sensitive transportation solutions
- Define feasibility of tolling and priced managed lanes in cooperation with MPOs/RPOs and consistent with guidelines in a Toll Policy Handbook
- Standardize state/local practice
- Consider benchmarks, criteria, and tests to evaluate and advance tolling





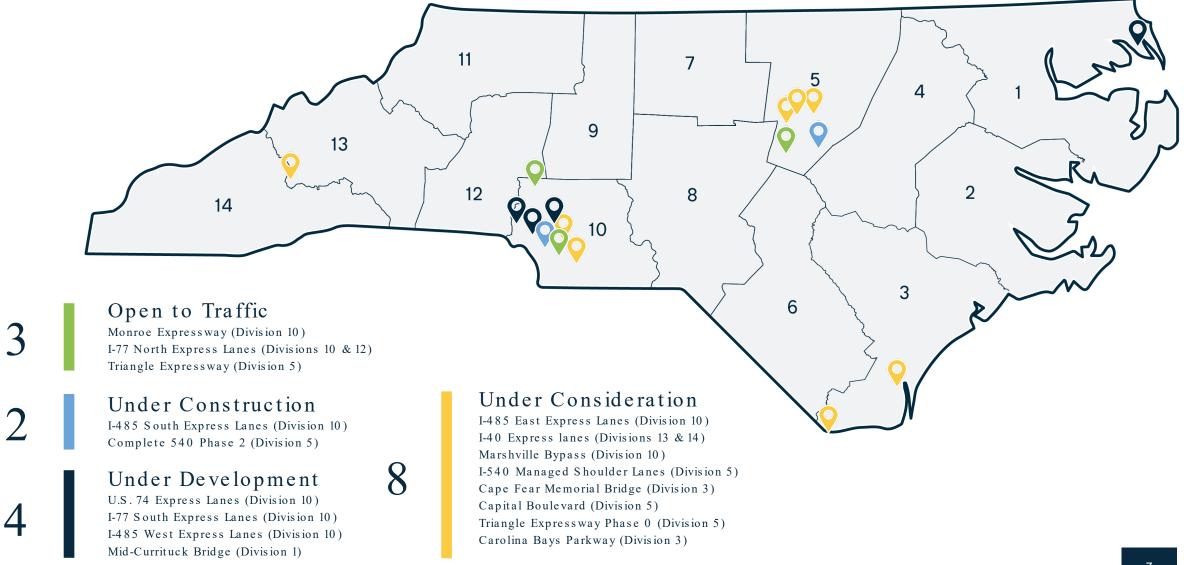
NC Toll Project Development Policy

- The Policy:
 - Defines eligible project types
 - New Alignment Limited Access Highways with Full Access Control
 - Express Lanes
 - New Bridges or Major Bridge Replacements
 - Conversion of Other Highways to Tolled, Full Access Control
 - Directs Local initiation
 - Directs development of a defined process for evaluating toll feasibility
 - Does not require or mandate increased tolling
 - **Does not** tallow NCDOT to identify specific projects to evaluate
 - Does not trecom mend delivery methods





Turnpike Authority Projects





Determining the Feasibility of a Potential Toll Project



Initial Project Identification

Local MPO or RPO project sponsor submits projects to NCDOT to be tested for toll-financing or priced managed-lanes feasibility.



In it ial NCDOT Toll Feasibility Testing

Projects submitted by local MPO or RPO project sponsors are evaluated by a team using steps in the NC Toll Policy Handbook.



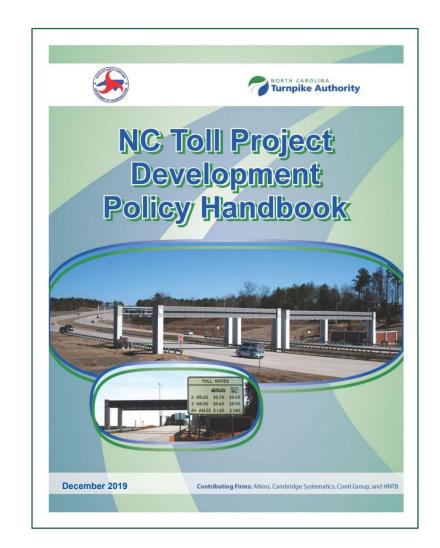
MPO and RPO Screening

Following Financial Feasibility testing and project performance evaluation, the local MPO or RPO project sponsor conducts further screening of the tolled or express lanes projects to ensure consistency with local plans and goals and acts to consider local approval.



Prioritization and Program ming

Projects found to be suitable for implementation as tolled or express lanes projects, successfully screened by their MPO and RPO project sponsors for inclusion in their MTP, CTP or another adopted document, and endorsed for TIP/STIP prioritization are submitted to NCDOT through the strategic prioritization process.





Pre-Submittal Assessment (PSA) Schedule/Steps

ROLE (lead)	STEP	STEP DETAILS	TIMELINE
Project Sponsor (MPO/RPO)	1	 Complete request per candidate through PSA Form Review inputs and resources to support assessment 	2-3 days
NCDOT IDPET / Project Sponsor (TPD)	2	 ID missing data, gaps or critical information needed Communicate intent to evaluate toll candidate(s) with respective MPO/RPO technical/policy boards 	2-3 days
NCDOT IDPET (TPD)	3	 Review schedule and discuss resource expectations Review all input assumptions/data to run financial feasibility analysis and/or interaction with travel demand model 	1-2 weeks
NCDOT IDPET (TPD/NCTA)	4	 Conduct financial feasibility and performance testing Review preliminary outcomes, adjust assumptions and/or run additional iterations 	4-6 weeks
NCDOT IDPET / Project Sponsor (TPD/NCTA)	5	Review and document final technical outcomes	1-2 weeks
Project Sponsor / NCDOT IDPET (Project Sponsor)	6	 Communicate results with MPO/RPO technical/policy boards Review process, solicit/respond to public input 	1-2 weeks

TOTAL: 3 MONTHS



2025 Toll Policy Handbook Update



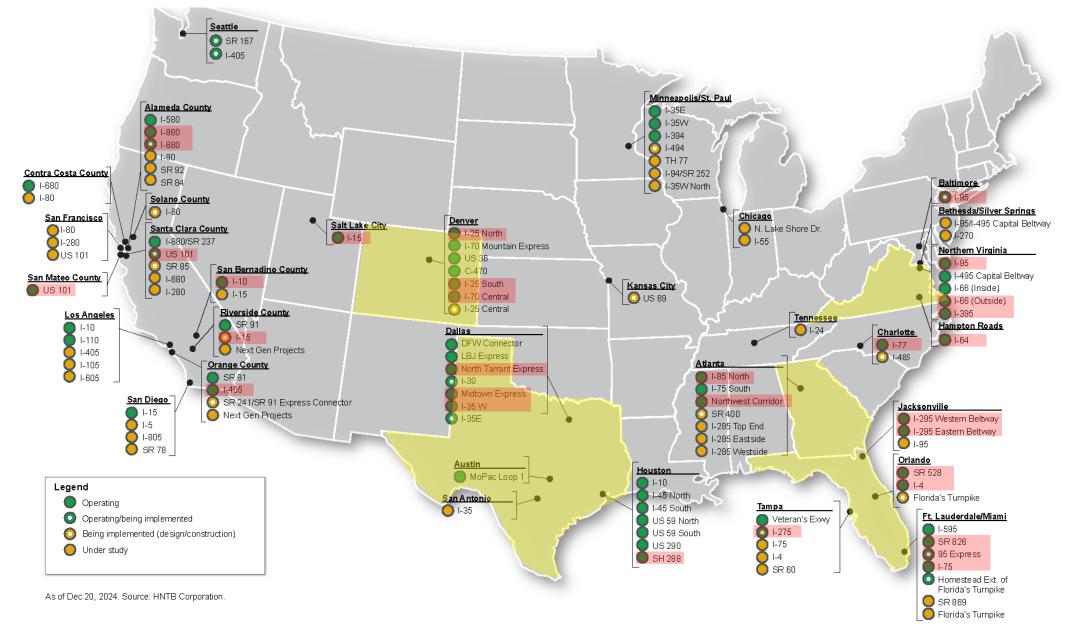
Why the Refresh?

- New Tolled Facilities have Opened
- New Areas Continue to Show Interest
- Changes and Trends
- Advancements in Technology





Continued Expansion of Express Lanes Across the US





Recent Toll Roads and Bridges

- Toll Roads
 - Houbolt Rd Ext (IL)
 - SH99 (Grand Parkway) (Houston, TX)
 - Gilcrease Expressway (OK)
- Toll Bridges
 - Belle Chase Bridge (LA) [P3]
 - Independence Bridge (MI)
 - Liberty Bridge (MI)
 - Scudder Falls Bridge (PA)

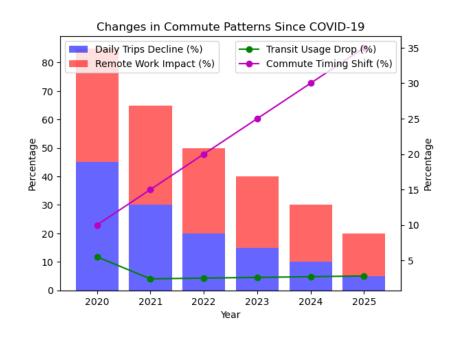




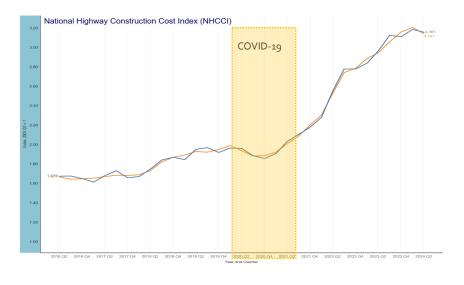


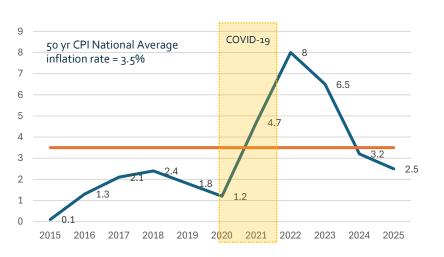
Changes and Trends

- Changes in Commute Patterns and Behaviors
 - Peak hour/periods spread across the day
 - Changes to Transit and Rideshare Use
 - Remote Work



Increase in Cost and Inflation







Advancements in Technology

- Toll Systems
- Enforcement
- Cybersecurity and Fraud Protection



Scope & Coordination

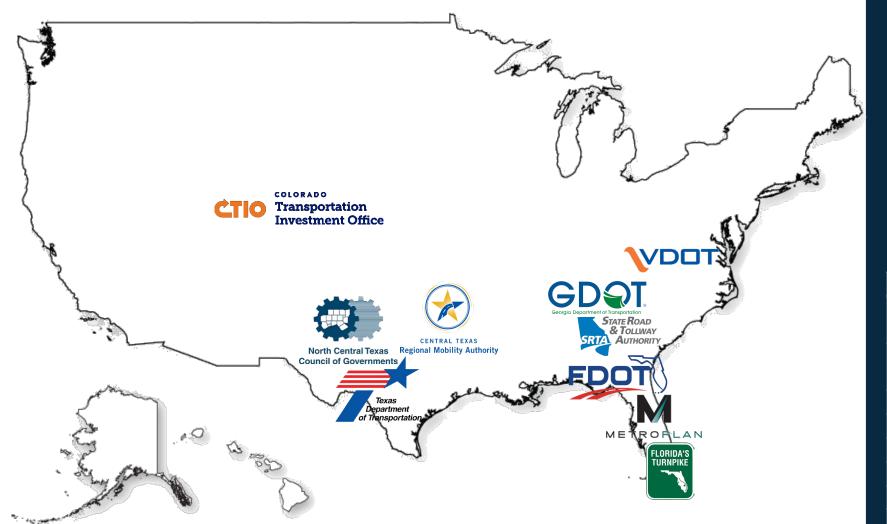


- 1. Peer Review
- 2. Industry Trends & Technology
- 3. Update Feasibility Tool
- 4. Update Handbook
- 5. Training
- 6. Project Management & Coordination





Task 1-Agency Peer Review





Agency

FDOT Central Office / Florida Turnpike

Enterprise

Georgia DOT \ State Road and Tollway

Authority

Virginia DOT

Texas DOT

Central Texas Regional Mobility Authority

Colorado Transportation Investment Office

North Central Texas Council of Governments

MetroPlan (Orlando)



Agency Peer Review Questionnaire

- When are toll projects identified?
- How do they determ in e toll feasibility?
- How do they prioritize toll projects?
- How and when do they engage locals?
- What trends and future technologies are you preparing for?

Key Takeaways

- Tolling is still is viable solution
- Locals seek support from DOT/ Toll Agency for Toll Feasibility
- P3 is an option most agencies utilize





Task 1-MPO Review

- Engage with MPO/RPO staff for feedback on current processes and key priorities moving forward
- MPO Questionnaire
 - Sent to all 20 MPOs
 - 15 Responded
- RPO Questionnaire
 - Sent to 17 RPOs
 - 10 Responded





Key Takeaways

- Need to increase awareness of the Toll Policy and its tools
- Enhance tools
 - Sim p lify
 - Influence greater collaboration
- Lim ited relevance to some areas of the state





Task 2 - Industry Trends & Technology

- Currently researching unit costs and pricing parameters
- Sent data request to peer agencies

Task 3 - Update Feasibility Tool

• On line GIS Interface

Task 4 - Update Handbook

• Solicitating feedback on user experience

Task 5 – Training

Task 6 - Project Management & Coordination

- NCTA Committee (Finance and/or Operations) Nov 20, 2025
- NCDOT Board/Highway Committee Dec 3, 2025





Current PSA Form

- Key Inputs
 - Roadway Attributes
 - Traffic Attributes
 - Funding Attributes
 - Tolling Attributes
- Feeds into the SPOT and CTP/MTP process

Pre-Submittal Assessment (PSA) Process Form

Project Information Project type: Toll Road) •				
Project name: Project purpose and need: MPO/RPO submitting project: MPO/RPO point of contact: Email: Phone: Is project part of Comprehensive Transportation Plan (CTP) or	V				
Project purpose and need: MPO/RPO submitting project: MPO/RPO point of contact: Email: Phone: Is project part of Comprehensive Transportation Plan (CTP) or	~				
MPO/RPO submitting project: MPO/RPO point of contact: Email: Is project part of Comprehensive Transportation Plan (CTP) or	•				
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MPO/RPO point of contact: Email: Phone: Is project part of Comprehensive Transportation Plan (CTP) or					
Email: Phone: Is project part of Comprehensive Transportation Plan (CTP) or					
Is project part of Comprehensive Transportation Plan (CTP) or					
Metropolitan Transportation Plan (MTP): (select)▼					
If Yes, list CTP or MTP and year adopted:					
Does project have a SPOT ID or CTP/MTP ID? If so please provide:					
Route number: Length (miles):					
Termini: from: to:					
Description:					
NCDOT Division: (select) County: (select)	•				
Toll-related improvement type:					
Toll-Tollicu Improvement type.					
Existing cross section: (select)	•				
Proposed cross section: (select)	•				
Roadway Attributes					
Data for italicized fields are optional and will be completed by NCDOT if omit	ted.				
Existing total number of general purpose lanes (both directions):					
Total number of proposed express lanes (both directions): (select)	•				
Intermediate access points?: (select)					
Total number of proposed general purpose lanes after project completion (both directions):					
Existing lane width: Existing shoulder width:					

Projected speed limit.

Existing speed limit.

Traffic Attributes Data for italicized fields are optional and will be completed by NCDOT if omitted Current year: Existing average annual daily traffic (AADT). Opening year of project: Opening year AADT: Design year. Projected design year AADT: Existing truck percentage. Projected design year truck percentage **Funding Attributes** Data for italicized fields are optional and will be completed by NCDOT if omitted. Funding sources: Other funds (if any): Estimated construction cost: Year of estimate. Estimated ROW cost: Year of estimate Estimated utilities cost Year of estimate Total estimated roadway capital cost: \$ Year of estimate. Expected Operations and Maintenance Cost (will be determined from financial feasibility assessment): **Tolling Attributes** Data for italicized fields are optional and will be completed by NCDOT if omitted. Proposed toll rate: \$ (select) Will transit vehicles be allowed to utilize the toll facility?

Additional	Consid	terations
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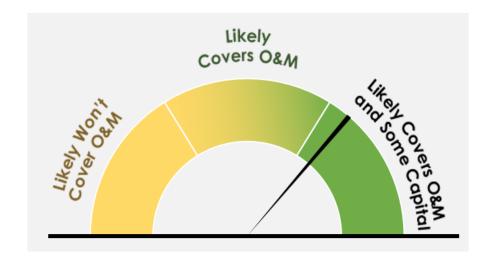
(Please use this space to provide or clarify any additional information pertinent to your project submittal.

For example a description of an improvement type not listed above, availability of additional local data to further inform project attributes, or additional purpose and need details.)



Current Feasibility Tool

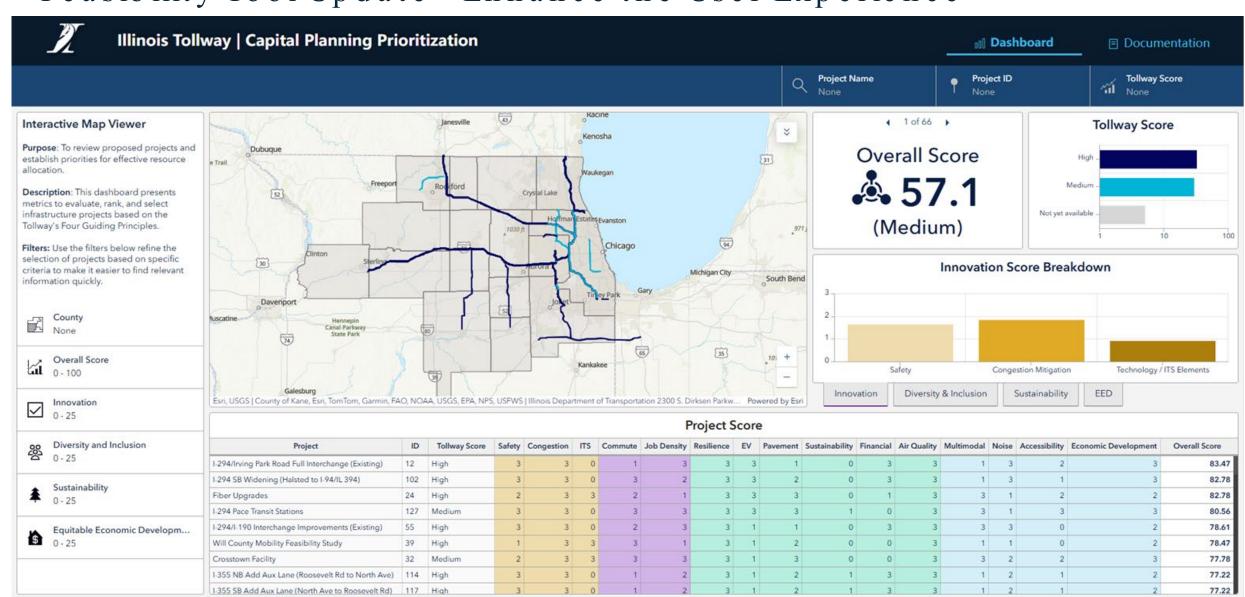
- Excel-based
- Tab for each Facility Type
 - Toll Roads
 - Toll Bridges
 - Express Lanes
- Supported by General Inputs to provide an Overall Feasibility Assessment







Feasibility Tool Update - Enhance the User Experience





Project Schedule – Opportunities for RPO Engagement

Tasks	Task Timeframe	Engagement	Engagement Timeframe
Peer and Partner Review	Fall 2025	Peer Interviews MPO Surveys	MPO – 9/12/25 RPO – 10/24/25
Industry Trends and Technology	Fall 2025		
Update Feasibility Tool	Winter 2025 — Spring 2026	Wireframe of Tool Inputs for Tool Outputs for Tool	MPO – Dec 2025, Jan/Feb 2026 RPO – Feb 2026
Update Handbook	Spring 2026	Draft Handbook	MPO – Apr 2026
Training	Summer 2026	Attend Training	MPO – Summer 2026 MPO – Summer 2026
Final Documentation	Fall 2026	PSA, Final Handbook and Tools	MPO – Aug/Sept 2026 RPO - Aug/Sept 2026

^{*}Transition MPO & RPO representative into NCDOT working group (Fall / Winter 2025)

RPO Questionnaire



Key Takeaways

- Lim ited fam iliarity with the NC Toll Policy and its tools
- Greater need for education, engagement, and clarity around roles and processes
- Unsure of how tolls could be applied or evaluated
 - Several noted that tolling remains a sensitive or misunderstood topic in their regions





Key Challenges

- Lack of awareness and understanding of toll policy and pre-screening tools
- Min im al follow-up or communication since the in itial policy rollout
- Political and public resistance, especially in rural areas
- Technological and economic barriers to toll adoption





Suggestions for Improvements

- Increase training and open discussion to normalize tolling as a funding option
- Clarify project screening criteria and expectations
- Share data more effectively through platforms like Share Point, we bin ars, interactive maps, and outreach via RPO/MPO associations





Criteria for Toll Suitability

- Traffic volume (AADT), congestion, safety benefits
- Economic development potential and political feasibility
- ROI and differentiation between local vs. tourist traffic





Trends & Outlook

- Growing reliance on tolling due to declining gas tax revenue and funding gaps
- Increased public discourse and gradual acceptance in urban areas
- Need for better public education on transportation funding mechanisms





Q&A

Thank you!

Contact Us



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