



February 5, 2016

DOT Report Program Update
JLTOC

Mike Holder, PE, Chief Engineer



Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program
Section 29.14 136-18.05

Responsiveness

Efficiency

Performance

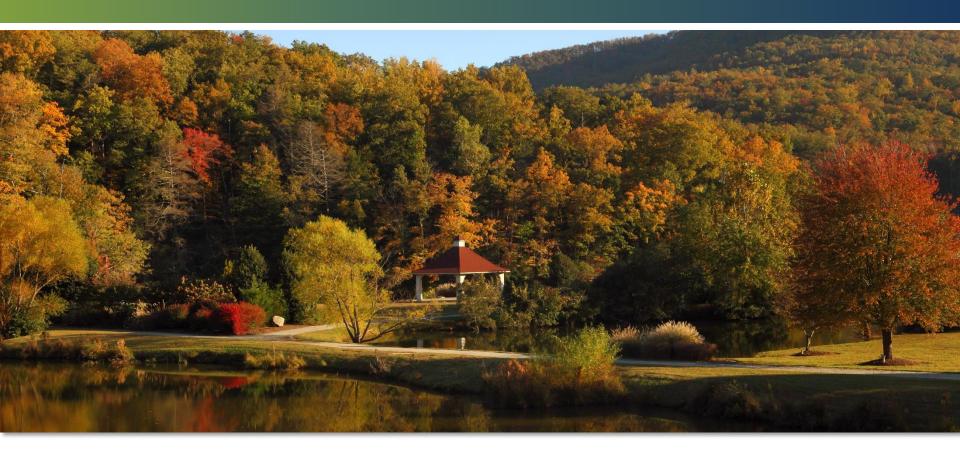
Oversight

Restructure

ransparency



Responsiveness





Transportation

Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program Section 29.14(a) 136-18.05

- Intent: Increased transparency and responsiveness to public to improve condition of our roads
- Responsiveness: Quickly address structural problems and other road hazards
 - Toll-free number and online submittals
 - Either address or identify a solution to the reported problem
 - Excludes Potholes which must be repaired within 2 business days
 - Safety-related: no later than 10 business days
 - Non-Safety-related: no later than 15 business days
 - Safety vs. Non-Safety: determined by NCDOT
 - Non-System Roadways: transmit info to appropriate locality within 2 business days



Repair Timelines

- 2 day
 - all potholes
- 10 day*
 - Culvert Blockage or Drainage issue causing standing water in road
 - Missing or Damaged Signs
 - Guardrail (still have 7 day policy for median guardrail)
 - Malfunctioning Traffic Lights
 - Debris in Road
 - Shoulder Drop-off or causing standing water in roadway

*Hazards deemed to be an imminent threat to the public should be addressed immediately.

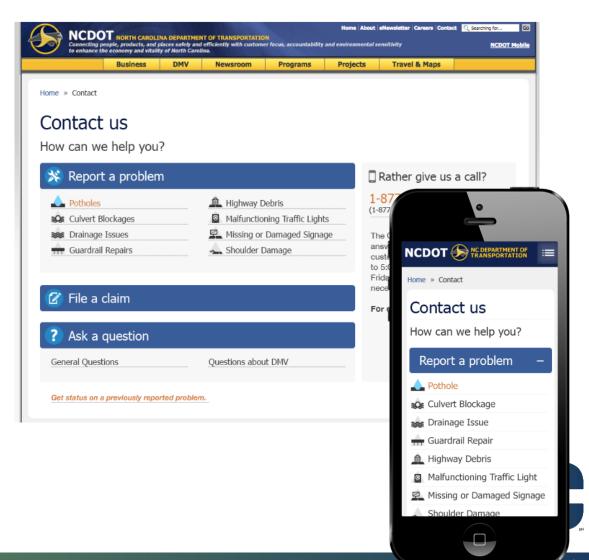
- 15 day
 - Culvert Blockage or Drainage issues not causing standing water in roadway
 - Debris not in roadway
 - Items above that are investigated and deemed non-safety related



Report a Problem Online

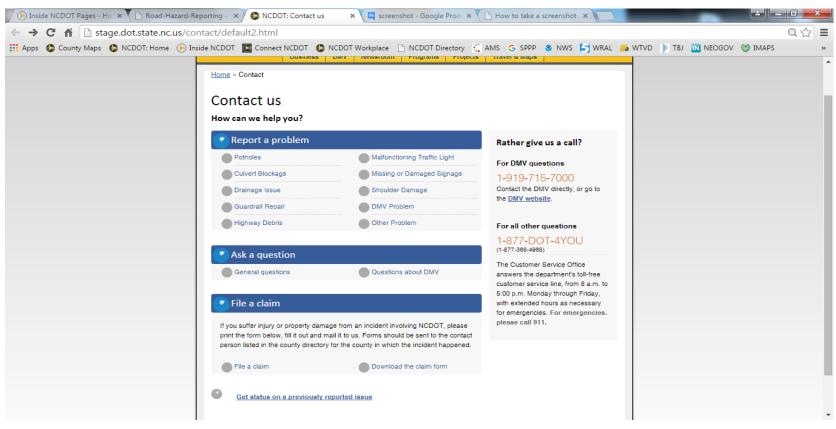


Replaced existing Contact page on www.NCDOT.gov



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Report a Problem Online



Same page will also allow easy reporting to Contact Us for non-hazard and DMV questions.

Inputs and Notifications

- Citizen Action Request System (CARS) based reporting of Road Hazards
- Road Hazard category calls received by Customer Service Center will be submitted into the CARS system.
- Other Road Hazard inputs such as phone calls, emails, and Contact Us should be submitted by receiver into the CARS system for tracking and reporting
- Auto-generate response timeline based on category. All non-potholes will auto-generate as safety item (10 day response time) until investigated and modified
- CARS will send email notifications to Division contacts and Subject Matter Experts for open Action Requests:
 - Potholes 6:30 am and Noon
 - Other items 6:30 am

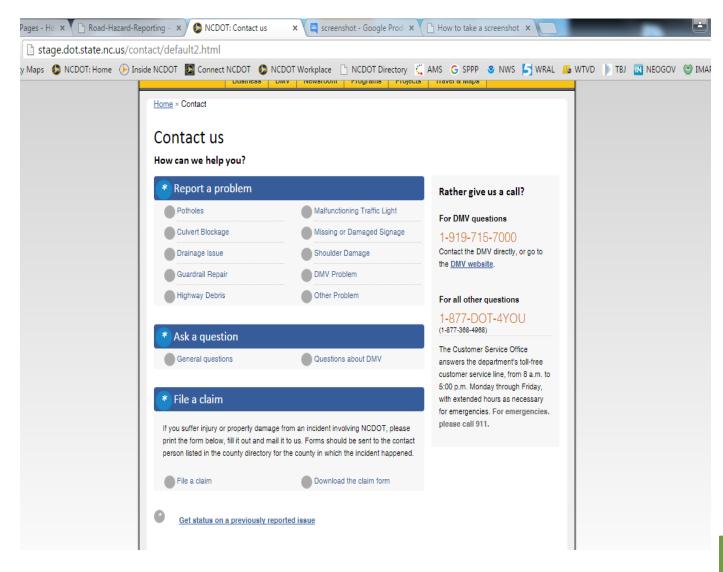


Division Oversight

- CARS Action Requests (ARs) are routed to Subject Matter Expert (SME) and their backups.
- Each SME unit develop an internal system for distribution of ARs, follow up with field forces, follow up to requesting party and close out AR.
- Division Engineers reviewed current SMEs and identified backups for each SME unit for Division oversight.



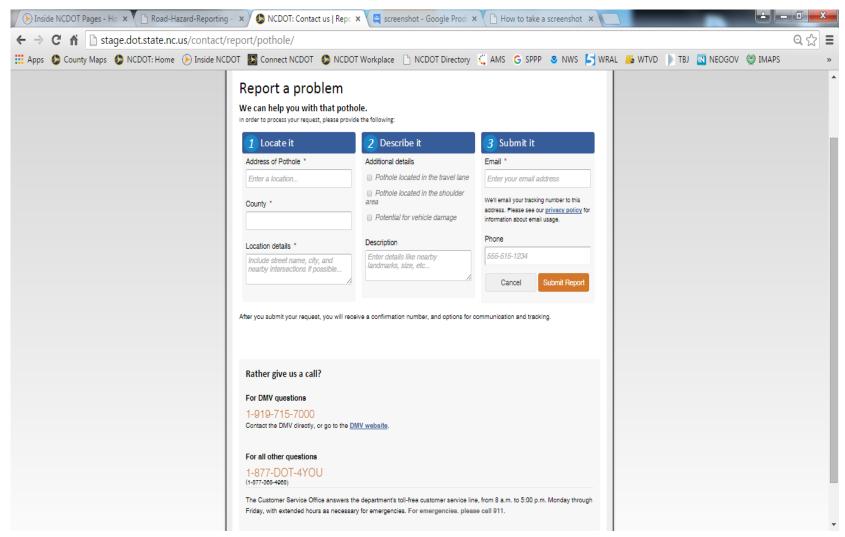
Example Action Request Step 1: Choose a Category





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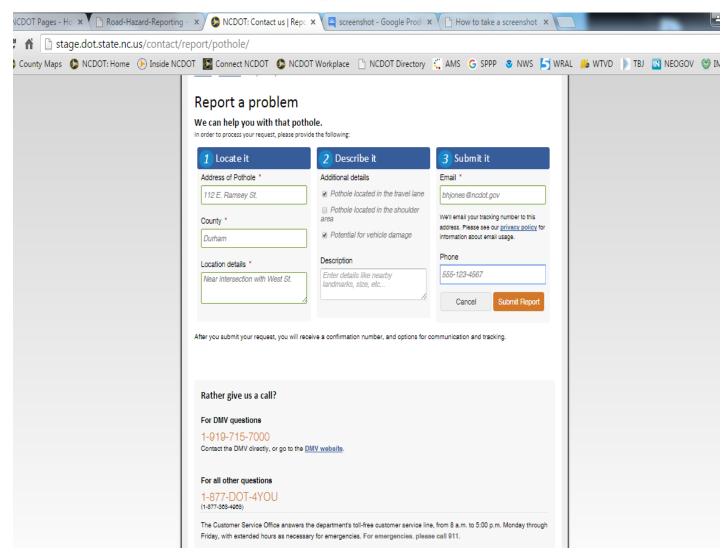
Example Action Request Step 2: Input Screen





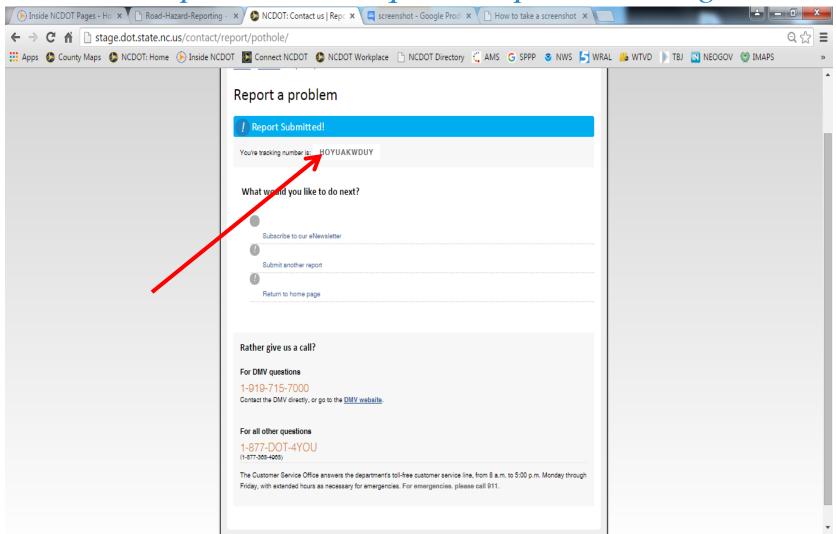
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Example Action Request Step 3: Input Details



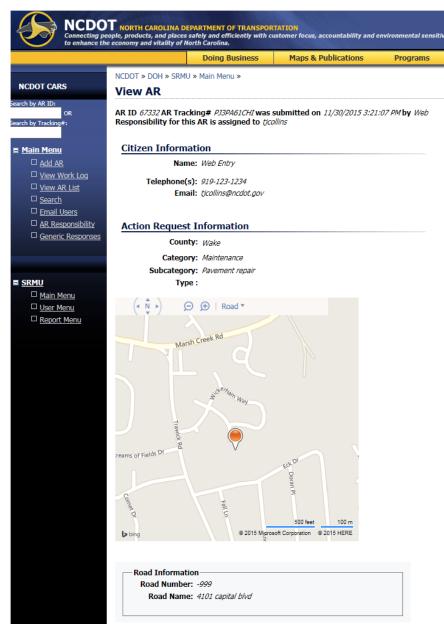


Example Action Request Step 4: Tracking ID





Notification Sent to Division Staff



- Reported issue
- Location description
- Map
- Citizen's contact information



4 Transportation

Responsiveness

- Action Requests are closed once the request is repaired with the ability to track and report progress.
- Responses to citizens will be timely and consistent with as much information provided as possible.
- Citizens can also use their tracking ID to check on the status of their reported issue and obtain details on how it was resolved.



Closing Action Requests

- Legislative reports will be generated based on Action Requests inputted
- Reports will show how many ARs have responses and how many are still open
- Imperative to be specific with AR responses
- Imperative to close out ARs appropriately and within legislative timeframes



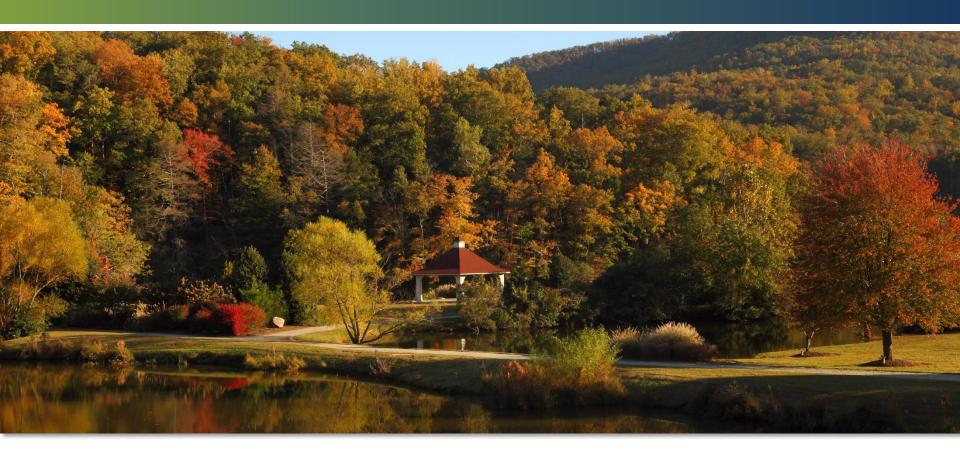
Current AR Data

Category	Subcategory	AR COUNT	ARs Closed on Time	ARs Closed Exceeds time	ARs Open
Maintenance	Drainage	938	524	4	410
Maintenance	Remove Obstruction	296	230	0	66
Maintenance	Shoulder Repair	403	255	2	146
Maintenance	Guardrail Damage	121	72	3	46
Maintenance	Pothole	2438	1500	413	525
Traffic	Signal Malfunction	98	85	2	11
Traffic	Signing	271	216	9	46



Transportation

Efficiency





Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program Section 29.14(b) 136-18.05

- **Efficiency**: Adopt procedures to streamline project delivery & establish baseline unit pricing for transportation goods
 - Accelerated project delivery presented to JLTOC 1/8/16.
 - Baseline unit pricing report submitted to JLTOC and Fiscal Research Division 12/1/15.





Accelerated Project Delivery Update

Improvement Item	Information	Status & Next Steps	
Division Managed Projects	Over 250 projects assigned to Divisions to manage from cradle to grave (planning, design and construction).	Completed assignment of projects. Track & Evaluate effectiveness sand plan moving forward by Summer 2017.	
Right of Way & Utilities	Review of complex relocations process currently underway to shorten timeframe	Recommendations to be reported March 2016	
Utilities	Work group establish with partners in League of Municipalities to research and establish best management practices for water/sewer	Report back on progress Summer 2016	
Utilities	Establish Bi-annual meetings with major utility companies to discuss reoccurring reasons for project delays and develop solutions	First meeting scheduled for February 2016	
Construction Delivery	Review and revise current guidelines on use of A+ B, Incentive/Disincentive, Floating Start Dates and Advance clearing for utility relocations for more widespread use.	March 2016. Track expanded use on projects for effectiveness.	



Accelerated Project Delivery Update

Improvement Item	Information	Status & Next Steps	
Focus Federal Funding for Projects	Other states have seen project delivery benefits from focusing available federal funds into fewer projects (e.g. Florida).	Ad hoc committee established. STIP will be reviewed for projects that are best funded solely with state funds. Process to be established and new state funded projects identified by Summer/Fall 2016.	
Early Project Screening and Decision Making	Projects to be screened for environmental considerations, and early decisions made on type of planning work needed, contracting method (Design-Build), funding source, and management (Division or Central).	Environmental Screening process initiated. Screening process to be made more robust to include other decisions and begin screening recent project additions by Summer 2016.	
Design-Build	Increase use of Design-Build for appropriate projects and adjust Design-Build process for atypical work (large bridge rehabilitation projects).	Procure consultants to assist with increased Design-Build workload by April 2016. New screening (above) for Design-Build projects by July 2016. Contracting large bridge rehabilitation projects by August 2016.	
Environmental Tracking and Coordination System (ETRACS)	New system to process requests, track workload and progress, and report on Environmental Services required to prepare NEPA documents. Will streamline central staff and consultant coordination of these services with Division needs.	Inaugural Version 1.0 to go live (with training) by March 2016. Subsequent phase to include additional environmental services. Working to accelerate next phase into this calendar year.	
Schedule Network 25% Reduction Standard schedule durations for new location and widening projects have recently been reduced by 25% (six sigma efforts).		New schedules have been fully implemented for new projects and for applicable ongoing projects.	



Performance

Mike Holder





Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program Section 29.14(a) 136-18.05

- Intent: Increased transparency and responsiveness to public to improve condition of our roads
- Performance:
 - Conduct annual job satisfaction survey
 - Conduct annual survey of NC citizens to measure level of satisfaction with the condition of the roads and highways



Employee Engagement Survey

- Administered to employees December 2015
- 45 questions
- Multiple choice & 5 essay
- Provided paper copies to field personnel (responses currently being transcribed)
- Survey results being compiled and will be reported within 30 days of completion



Customer Service Survey

- Administered Summer 2015
- Random, address-based sample of NC residents to ensure diverse demographics
 - Minimum of 10 surveys per county
 - Additional surveys distributed in proportion to population
- Paper survey could be mailed, input on-line or given orally over the phone
- 184 questions focusing on seven core service areas:
 - Motor vehicle travel
 - Bicycle transportation
 - Pedestrian travel
 - Passenger rail service
 - Public transit
 - Ferry service
 - DMV
- Results being finalized
- Report to be submitted to JLTOC & Fiscal Research Division within 30 days of finalized results

Roadway Reviews

- NCDOT partnered with ITRE to conduct study to capture how taxpayers rate and prioritize roadway asset features
- Residents were surveyed about NC roadways as they were driven along them





Roadway Reviews

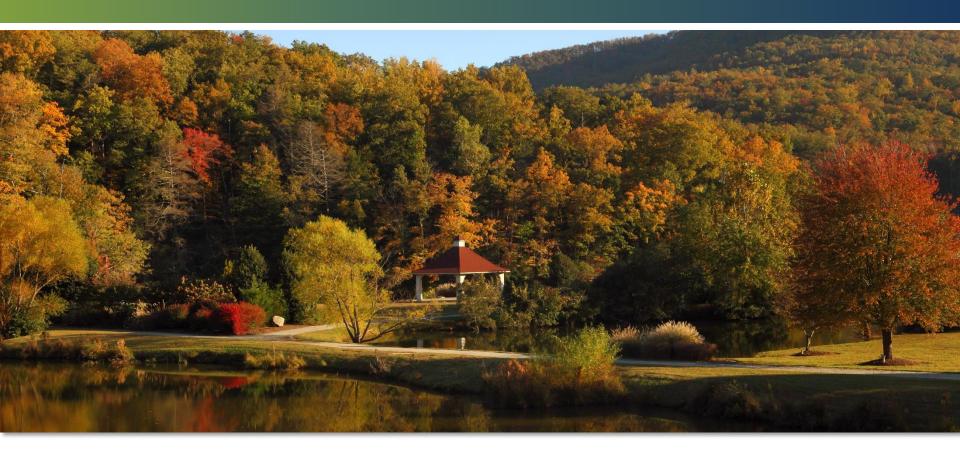
- 362 Participants total:
 - 299 Roadway Review resident participants
 - 55 Focus Group participants
 - 8 Roadway Review community leaders
- Six Locations across the state:
 - Asheville
 - Burlington
 - Charlotte
 - Jonesville
 - Rocky Mount
 - Wilmington
- Asked to provide feedback on conditions such as:
 - Pavement smoothness
 - Sign and pavement marking visibility
 - Lighting
 - Guardrail maintenance
 - Grass height

Туре	Feature	
*5 >	Roadway markings (centerline and	
larkings & Visibility	roadside striping)	
Visi	Raised pavement markers	
2	Lighting	
e8	Smoothness of the road surface	
Road Surface & Movement	Physical condition of the road surface (i.e., number of potholes/cracks)	
Mov	Width of lanes	
e e	Flow of traffic	
Signage	Visibility of signs	
Sig	Condition of signs	
2	Width of outside (right) shoulders	
Shoulders	Width of inside (left) shoulders	
Shc	Type of shoulder (gravel, pavement, etc.)	
nce	Mowing & trimming along guard rails	
Maintenance	Mowing & trimming of all other areas	
	Cleanliness (lack of litter/debris)	
Overall Experience	Overall condition of this highway	
	Overall appearance of this highway	
	Feeling of safety on this highway	



Oversight

Mike Holder





Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program Section 29.14(c) 136-18.05

 Intent: Increase budget transparency and allow for greater legislative and citizen oversight

Oversight:

- Reclassify the funding source for all full-time positions that are budgeted as receipt-supported on the basis of charging to projects to appropriation and adjust budgeted funds accordingly by May 1, 2016
- Employees in DOH shall be attributed to respective Highway Division fund codes within the Highway Fund.

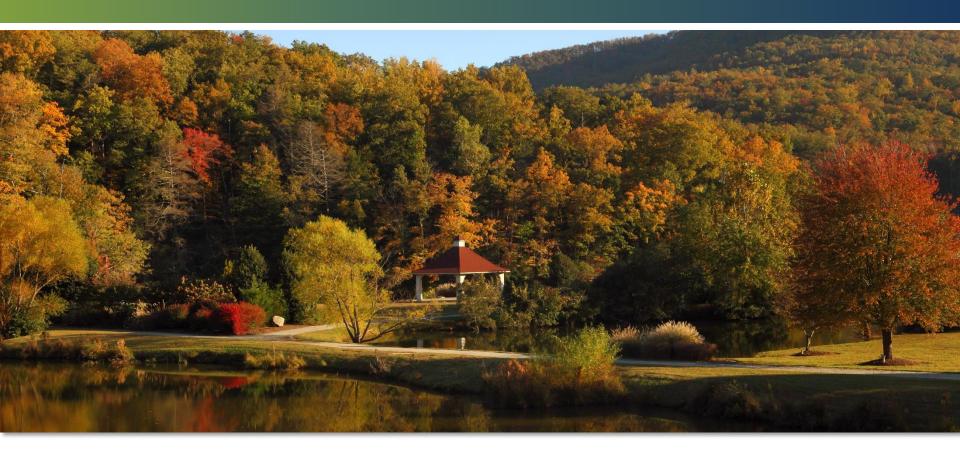


Establishment of "DOT Report" Program Section 29.14.(c)- Oversight

- DOT met with OSBM and FRD in December to discuss requirements. FRD requested that payroll expense and budget be shown in the fund center in which a position resides and also be able to report this cost against the project that the employee was working. (i.e. two sets of books)
- FRD inquired with House and Senate members and received approval for DOT to provide a plan no later than May 1, 2016 and implement July 1, 2016.
- DOT and OSBM consulted with IT partners and were provided three options to evaluate on January 29, 2016.
- Upcoming meeting with FRD, OSBM and DOT in February to discuss options and next steps.

Transportation

Restructure





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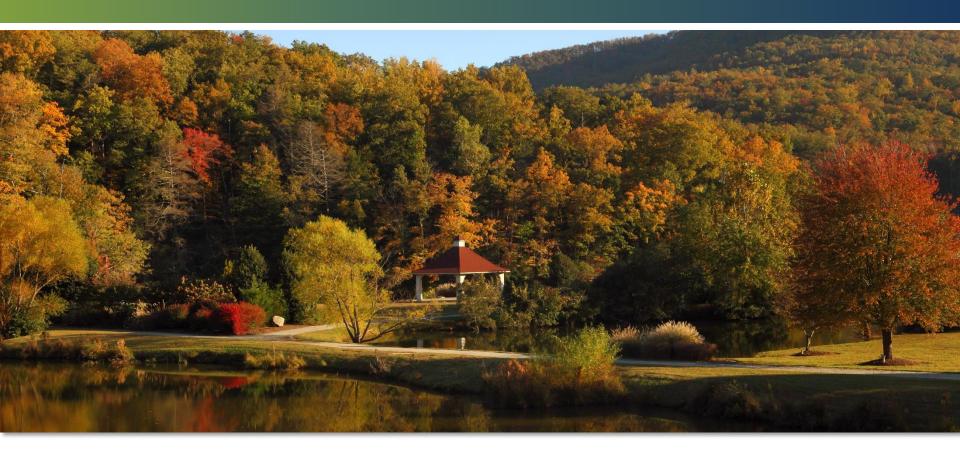
Establishment of "DOT Report" Program Section 29.14(d) 136-18.05

- Intent: Improve the efficiency and effectiveness of operations and align operations and staffing with the strategic goals set for the Department
- **Restructure**: A study and review shall include:
 - Review of operations, staffing levels and employee performance management efforts
 - Evaluation of current laws/policies related to operations and staffing
 - Recommendation on how to best align staffing with strategic goals and workload
 - Recommendations on how to shift project development decision making to the 14 Highway Divisions including elimination of 10% of total amount of filled positions that are centrally or regionally based that perform administrative, managerial, supervisory or oversight functions
 - Recommendations on incentive based systems
 - Based on study results, recommendations on laws/policies that should be continued or modified



Transparency

Mike Holder





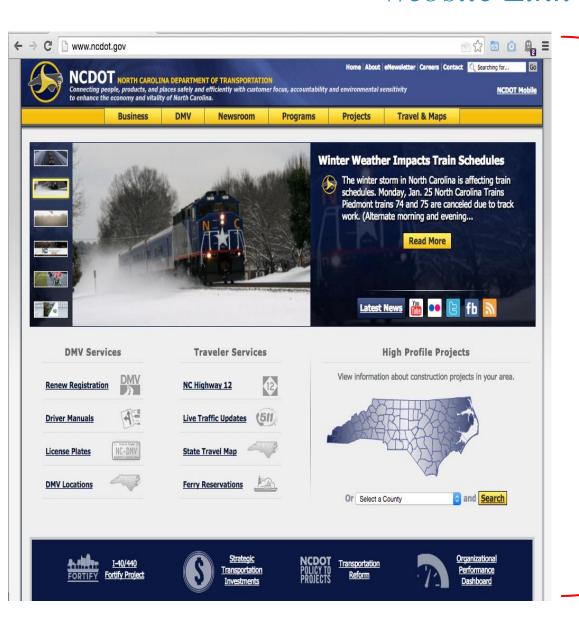
Session Law 2015-241 House Bill 97

Establishment of "DOT Report" Program Section 29.14(e) 136-18.05

- Intent: Increased transparency of the Department's information on highway and bridge projects to the public
- Transparency: The DOT website will need to report on the following types of projects:
 - Maintenance projects costing over one million dollars
 - Bridge replacement projects
 - Bridge repair and bridge renovation projects requiring road closure in excess of 24hrs.
 - All construction projects included in the 5yr. STIP



Website Link



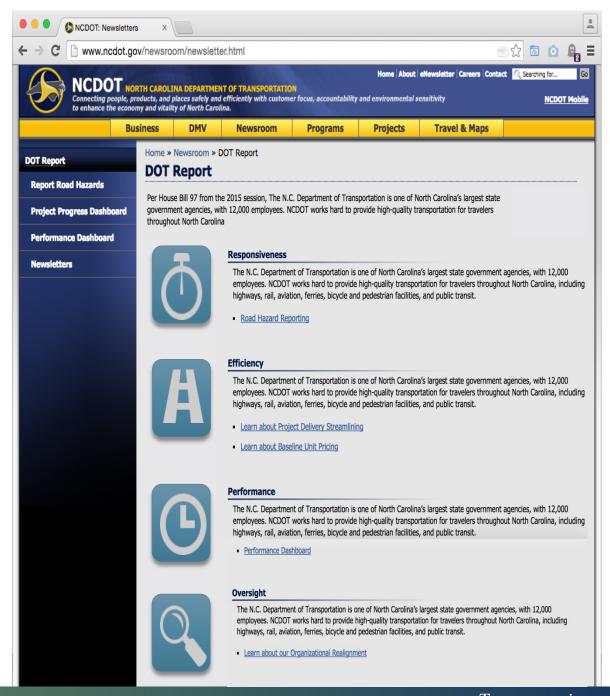
New link will be added on the NCDOT public website homepage.

Link to be called **DOT Report**

Transportation

New Webpage **DOT Report**

- Gives user easy access to:
 - Road Hazard Reporting
 - Dashboard
 - Project Report

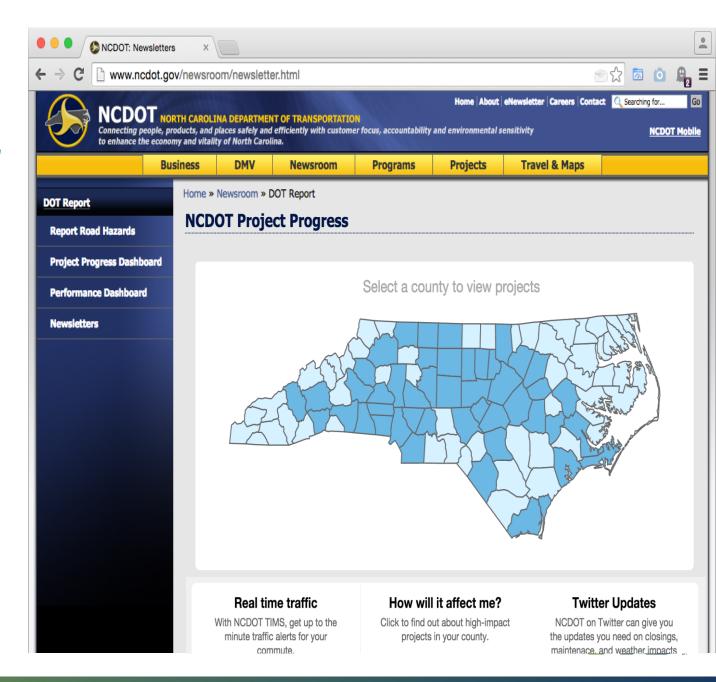


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New webpage

DOT Report Project Progress

- Intuitive county-based map navigation
- Highlights available systems to keep citizens informed.



New Webpage

DOT Report Project Progress County View

- Lane closures, traffic incidents, all real-time from NCDOT TIMS.
- Construction progress and maintenance information
- Important projects broken out.
- Local Press
 Releases





NCDOT Project Progress: Johnston County

Closings and Traffic Incidents

Description	Road	Location
Construction	Joyner Bridge Rd (SR-1185)	Near Benson / Both Directions
Weather Event	Old Beulah Rd (SR-1934)	North of Selma / Both Directions
Construction	Davis Mill Rd/Stevens Chapel Rd (SR-2310)	Near Pine Level / Both Directions
Construction	US 70 Business (US-70)	Near Selma / Both Directions

Active Construction & Maintenance



High Profile Projects in Johnston County



Complete 540

STIP Number: R-2721, R-2828, R-2829

The proposed "Complete 540" project, also known as the Southeast Extension, would extend the Triangle Expressway from the N.C. 55 Bypass in Apex to the U.S. 64...



I-40 Widening - Southeast Raleigh to Clayton Project

STIP Number: I-5111

The I-40 Widening - Southeast Raleigh to Clayton Project will focus on improving I-40 from the beltline in Raleigh, to NC 42 in Johnston County....



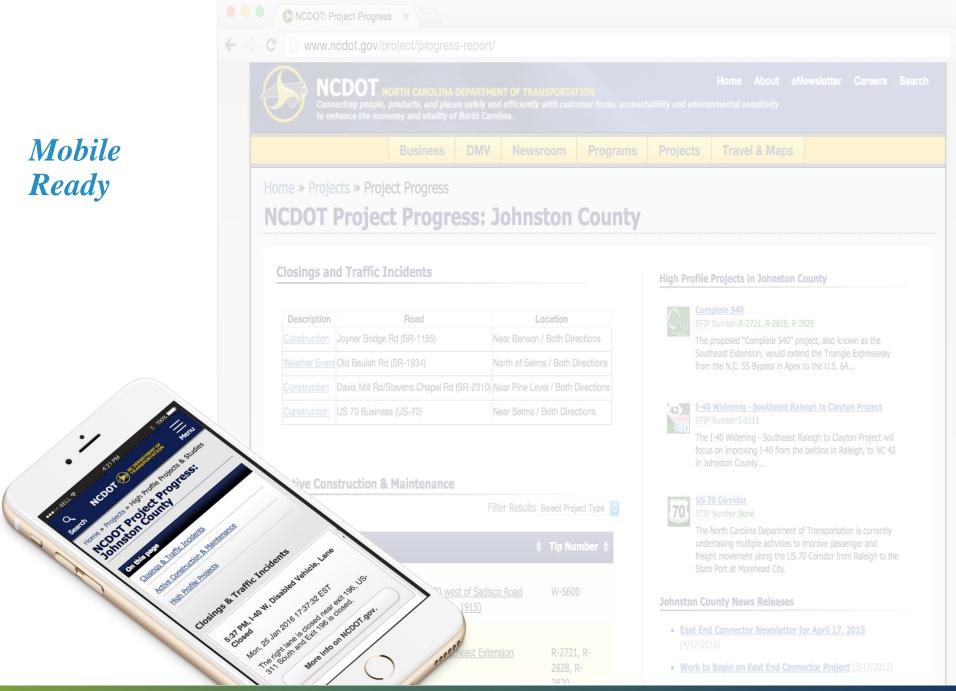
US 70 Corridor

STIP Number:None

The North Carolina Department of Transportation is currently undertaking multiple activities to improve passenger and freight movement along the US 70 Corridor from Raleigh to the State Port at Morehead City.

Johnston County News Releases

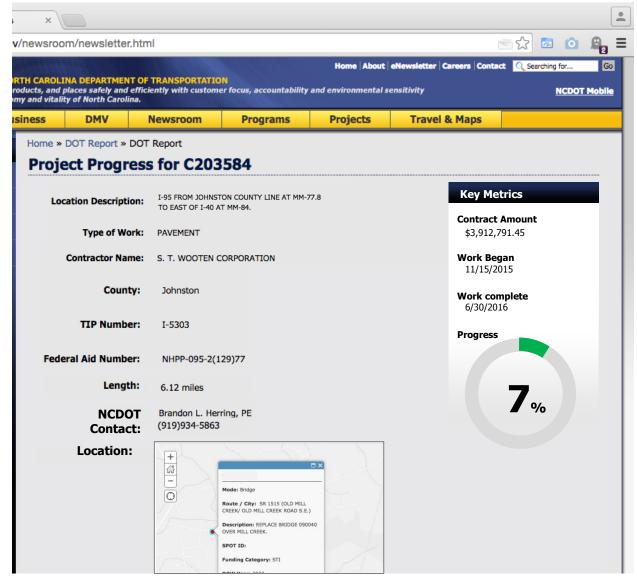
- East End Connector Newsletter for April 17, 2015 (4/17/2015)
- Work to Begin on East End Connector Project (3/17/2015)



Updated Webpage

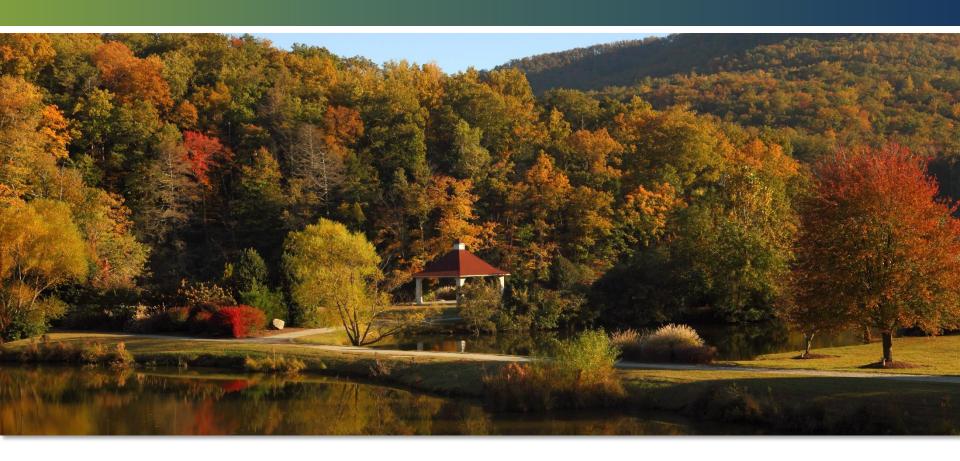
DOT Report Project Progress **Project Page**

- Up to date from the NCDOT Construction Progress Report and STIP.
- Maintained by NCDOT SME's
- Shows map if it's a STIP project.





Questions?





Transportation