



Project Delivery Newsletter

Connecting the Dots in Preconstruction

Winter 2023

Bentley OpenX Platforms – What's Next?

NCDOT is in the process of making a major change in the required software to be used for Project design. For the last several years, GEOPAK V8i Select Series 2 (SS2) corridor modeling tools have been used for producing Plans, models, and cross-sections. The change is underway to fully implement Bentley's OpenX platform for all Project design work.



The OpenX platform (e.g., OpenRoads Designer, OpenBridge Designer, OpenGround, etc.) represents a major change in the evolution of design software. Potential benefits of switching to OpenX include:

- Improved [software capabilities](#)
- Enhanced platform for multidisciplinary coordination
- 2D plans and 3D models

The potential consequences if NCDOT does not fully transition to OpenX include project delivery delays and potential loss of production. These potential risks will only increase when Microsoft 10 becomes unsupported and NCDOT is forced to transition to Microsoft 11.

To mitigate those risks, NCDOT has assembled a multi-disciplinary steering committee (of both NCDOT and PEF representatives) to guide NCDOT in the implementation of OpenX within the Digital Delivery Roadmap. The Committee will support project delivery teams in this transition through resources such as a decision matrix to determine which projects to transition and scoping assistance to transition a project to OpenX.

Save the Date!

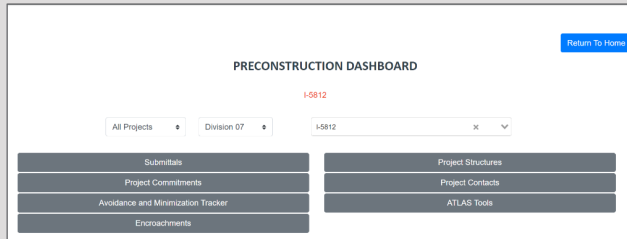
The NCDOT Preconstruction Workshop will be held May 16-17 at the McKimmon Center. In addition to the workshop, NCDOT will also hold an SPSF Outreach event the morning of May 16.

Registration details for both events will be coming in the spring.



Submittals Tool – NEW!

The new Submittals Tool is now available on the SharePoint Preconstruction project sites. This replaces the old Submittal Tracker tool with a more usable, web-based tool that incorporates some additional features. This tool is intended to help PMs keep track of all the submittals on their projects, showing at a glance what status they're in, who's supposed to be working on them, whether they've been replied to, etc.



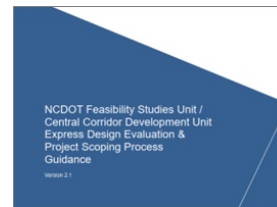
The tool operates from the Preconstruction Dashboard. Within this dashboard are role-based responsibilities on making, viewing, and handling submittals. The links below go to short videos to illustrate how it works for each role:

- [Submitters](#)
- [Project Managers](#)
- [Reviewers](#)

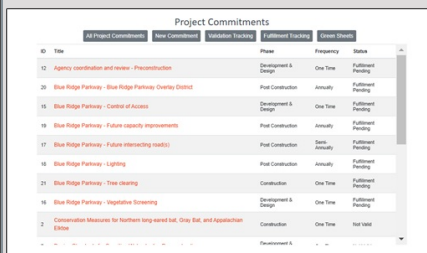
Updated Express Design and Project Scoping Report Guidance

An updated Express Design Evaluation and Project Scoping Guidance document will be available by spring 2023. The guidance will include additional information needed for consultant submittals regarding Complete Streets, Express Design Traffic Evaluation (EDTE), and working with the Advancing Transportation through Linkages, Automation and Screening (ATLAS) tool.

Once the new guidelines are published, the NCDOT Feasibility Studies/Corridor Development Unit will be holding a Q&A session webinar to answer questions regarding express design and project scoping report submittals.



Project Commitment Dashboard



ID	Title	Phase	Frequency	Status
12	Agency coordination and review - Preconstruction	Development & Design	One Time	Fulfillment Pending
13	Blue Ridge Parkway - Blue Ridge Parkway Overlay District	Post Construction	Annually	Fulfillment Pending
14	Blue Ridge Parkway - Control of Access	Development & Design	One Time	Fulfillment Pending
15	Blue Ridge Parkway - Future capacity improvements	Post Construction	Annually	Fulfillment Pending
16	Blue Ridge Parkway - Future intersecting roads	Post Construction	Annually	Fulfillment Pending
17	Blue Ridge Parkway - Lighting	Post Construction	Annually	Fulfillment Pending
18	Blue Ridge Parkway - Tree clearing	Construction	One Time	Fulfillment Pending
19	Blue Ridge Parkway - Vegetative Screening	Development & Design	One Time	Fulfillment Pending
20	Conservation Measures for Northern long-eared bat, Gray Bat, and Appalachian White	Construction	One Time	Not Valid

The Project Commitment Dashboard is an important tool to help ensure all project commitments are accessible, validated, and fulfilled. The dashboard adds a key record keeping component that can now include photos and other fulfillment documentation during all phases of project delivery, including construction and post construction.

Find it on your project's Preconstruction Dashboard!

Utilities Process Improvements Updates

The Utilities Unit continues to make progress with process improvements based on feedback receive from partners on project delivery.

The Roles and Responsibilities document clearly identifies responsible Central and Division staff on all utility-related PDN steps. The expectation is these defined duties will aid in minimized delay and increased efficiency for project delivery. [Available to internal NCDOT Staff at this link.](#)



The Utility Invoice Checklist is available to NCDOT staff for use during the review process and to utility owners as a guide for invoice preparation. The intent of the checklist is to minimize delay and increase efficiency during the invoice process.

To get involved with implementing these and other improvements, contact ncdotutilities@ncdot.gov.

Project Delivery Connection

Keeping you informed and engaged with NCDOT preconstruction updates

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