

WNC STRONG Executive Storyboard Information

Updated: March 2025

Overview

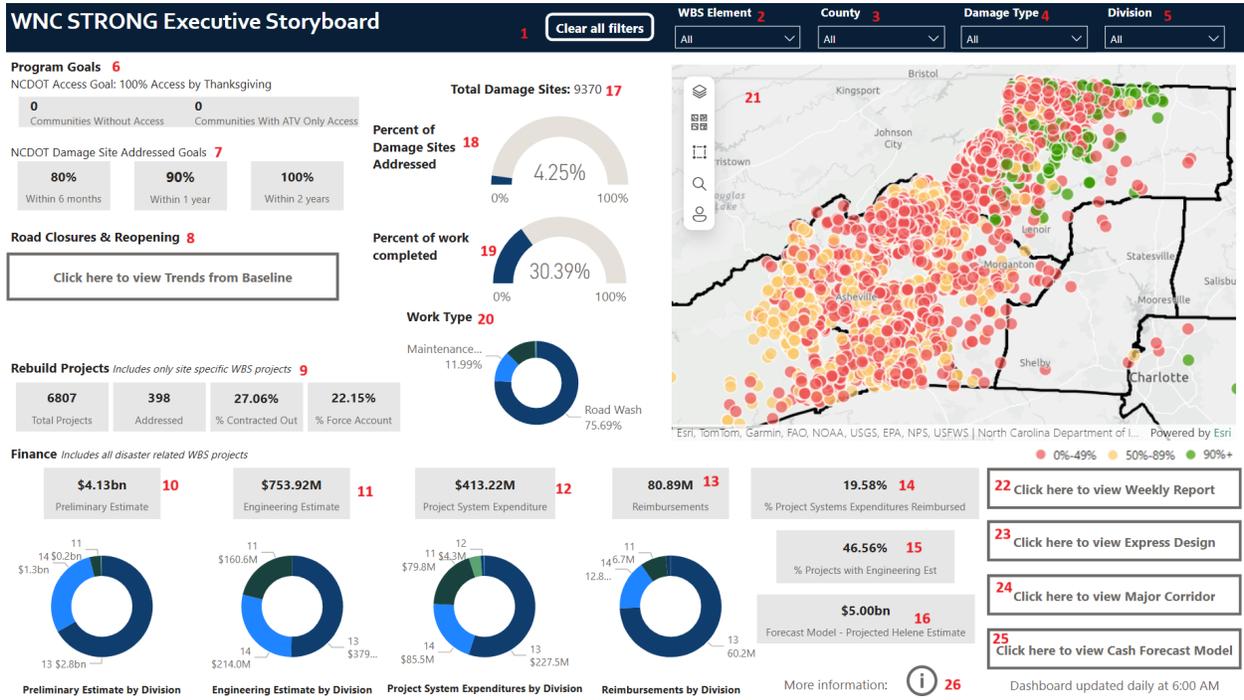
Following the severe impacts to various Western North Carolina roads and other facilities due to Hurricane Helene, the NCDOT has been working tirelessly to repair damages and provide communities with restored access. This storyboard outlines the progress of our efforts and provides an overview of storm-related data.

- * January 2025 Update uses data directly from SAP and is automatically refreshed every weekday at 6:00 AM EST.
- * February 2025 Update includes automated road closures and reopening page, an express design build information page, and pages of a weekly summary and major corridor situational report coming directly from the divisions.

Disclaimer: Damage type indicators are manually entered by the division; therefore, the count of projects categorized by damage type may be lower than the actual number. For example, a project with bridge damage may not be reflected in the bridge damage category if the corresponding indicator was not selected.

Data Reference

Main Dashboard Page:



Element	Description	Data Source
1, Clear Filters Button	This element allows all filters to be reset and include all data.	N/A
2, WBS Element Filter	This filter includes all relevant WBS elements.	N/A
3, County Filter	This filter includes all relevant North Carolina counties.	N/A
4, Work Type Filter	This filter includes all work types associated with Hurricane Helene efforts. The work types are Bridge, County Wide, Facility, Maintenance Pipe, Road Wash, and other.	N/A
5, Division Filter	This filter includes all relevant North Carolina divisions.	N/A

<p>6, Community Access</p>	<p>The NCDOT access goal is for 100% of communities impacted to have access by thanksgiving. To measure this, communities without access and communities with ATV only access will be tracked</p>	<p>Information provided by the impacted divisions and consolidated for reporting by NCDOT SIPS office.</p>
<p>7, NCDOT Damage Site Addressed Goals</p>	<p>The NCDOT Damage Site Addressed Goals by timeline are outlined in this section.</p> <p>Site Addressed indicates that work on the ground is substantially complete, and site is reopened to traffic.</p>	<p>These goals are established by NCDOT leadership.</p>
<p>8, Road Closures and Reopening Button</p>	<p>This section includes a button that directs you to the NCDOT Road Reopening for Hurricane Helene 2024 TIMS ArcGIS Dashboard.</p>	<p>N/A</p>
<p>9, Rebuild Projects</p>	<p>A detailed outline of rebuild projects, referencing all site-specific WBS projects in SAP. Includes Total Projects, Number of Projects Addressed, Percent Addressed, Percent Contracted Out, and Percent Force Account.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific WBSs only) associated with the Helene Disaster event.</p>

<p>10, Preliminary Estimates by Division</p>	<p>This data is originally entered in Survey 123, and it is transferred to sap when site-specific WBS information is established.</p> <p>This data includes all preliminary estimates included in SAP related to the Helene disaster event. This includes both site-specific WBS as well as county-wide WBS associated with the disaster event.</p>	<p>This data comes from sap. It is limited to those projects (site-specific and county wide WBS) associated with the Helene disaster event.</p>
<p>11, Engineering Estimates by Division</p>	<p>This data provides an updated estimate to the original preliminary estimate. The Engineering estimate is developed by an engineering team.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and County Wide WBSs) associated with the Helene Disaster event.</p>
<p>12, Project System Expenditures by Division</p>	<p>This represents all expenditures logged in SAP and associated with the Helene Disaster event.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and County Wide WBSs) associated with the Helene Disaster event.</p>

<p>13, Reimbursements by Division</p>	<p>This represents funds reimbursed through both FEMA and FHWA. Note: NCDOT does not anticipate 100% reimbursement of all storm-related expenditures. NCDOT seeks to reach 80% reimbursement for this disaster event.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and county wide WBSS) associated with the Helene disaster event.</p>
<p>14, Percent Project Systems Expenditures Reimbursed</p>	<p>This represents a percent value of project systems with expenditures reimbursed.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and County Wide WBSS) associated with the Helene Disaster event.</p>
<p>15, Percent of Projects with Engineering Estimate</p>	<p>This represents a percent value of projects with engineering estimate.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and County Wide WBSSs) associated with the Helene Disaster event.</p>
<p>16, Projected Estimate</p>	<p>This is a static number showing the projected cost amount from all work conducted related to the Hurricane Helene disaster.</p>	<p>This number is coming directly from the NCDOT Finance team.</p>
<p>17, Total Damage Sites Value</p>	<p>This value represents all damage sites resulting from Hurricane Helene destruction. It includes both SAP and Survey123 data.</p>	<p>This data comes from SAP and Survey123. It is limited to those projects (site-specific and County Wide WBSSs) associated with the Helene Disaster event.</p>

<p>18, Percent of Damaged Sites Addressed</p>	<p>This value represents the percentage of all addressed projects (reported in WBS and Survey123) resulting from Hurricane Helene destruction. Addressed indicates that these projects have 90% or greater completion.</p>	<p>This data comes from both SAP and Survey123. It includes site-specific and county wide disaster sites associated with the Helene disaster event.</p>
<p>19, Percent of Work Completed</p>	<p>This value represents the average percentage of completion of projects (reported in WBS and Survey123) resulting from Hurricane Helene destruction.</p>	<p>This data comes from both SAP and Survey123. It includes site-specific and county wide disaster sites associated with the Helene disaster event.</p>
<p>20, Work Type</p>	<p>This includes a dial visual showing proportions of certain types of damage. These include Road Wash, Maintenance Pipe, Bridge, County Wide, and Facility.</p> <p>This data is originally entered in Survey 123 and transferred to SAP for site-specific WBSs. County Wide WBSs represent work related to slope stabilization, debris clearing, sign work, and other general categories.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific and County Wide WBSs) associated with the Helene Disaster event.</p>
<p>21, Mapping Element</p>	<p>The points displayed in the map represent Rebuild Projects. These are projects that have a site-specific WBSs established in SAP.</p>	<p>This data comes from SAP. It is limited to those projects (site-specific WBSs only) associated with the Helene Disaster event.</p>
<p>22, Weekly Report Summary Button</p>	<p>This button links to the Weekly Summary page.</p>	<p>N/A</p>

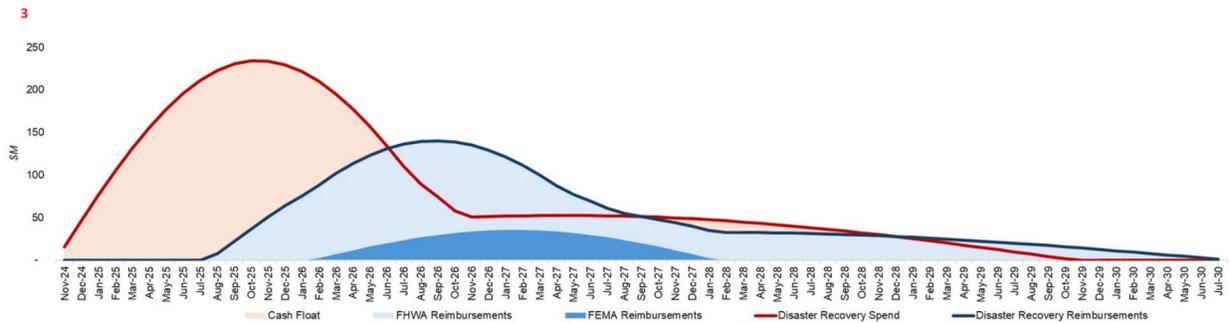
23, Express Design Build Button	This button links to the Express Design build page.	N/A
24, Major Corridor Button	This button links to the Major Corridor Report page.	N/A
25, Initial Cash Forecast Model Button	This button links to a visual of the initial cash forecast associated with the Helene Disaster event.	N/A
26, More Information Button	This button links to this document for reference.	N/A

Cash Forecast Model Page:

Initial Cash Forecast



Updated 11/12/2024 **2**



Element	Description	Data Source
1, Back Button	This element allows you to return to the main dashboard page.	N/A
2, Updated Date	Indicates when the last update of the forecast model was made.	N/A
3, Initial Cash Forecast Model	Provided is a visual of the initial cash forecast associated with the Helene Disaster event	This graphic is generated by the NCDOT Finance Team. It is anticipated to be updated quarterly or as needed

Weekly Summary Report Page:



Element	Description	Data Source
1, Replaced/Repaired Toggle Button	This element allows you to switch the data shown to represent projects being replaced or repaired.	N/A
2, Bridges Info	Statistics reported include Bridges Damaged, Count of Addressed, Percent Addressed, Design Bid Build/Progressive/ Express Design count, Design Bid Build count, and Count of Force Account. The visual shows the repaired/replaced number of bridges weekly and a running total.	Data reported is coming directly from the divisions impacted.
3, Culverts Info	Statistics reported include Count of Culverts Damaged, Count of Addressed, Percent Addressed, and Count of Culverts Left. The visual shows the repaired/replaced number of culverts weekly and a running total.	Data reported is coming directly from the divisions impacted.
4, Pipes Info	Statistics reported include Count of Pipes Damaged, Count of Addressed, Percent Addressed, and Count of Pipes Left. The visual shows the repaired/replaced number of pipes weekly and a running total.	Data reported is coming directly from the divisions impacted.

<p>5, Main Dashboard/ Express Design Build/ Major Corridor Sitrep Buttons</p>	<p>These buttons will direct you back to the dashboard pages assigned.</p>	<p>N/A</p>
<p>6, Resources Utilized</p>	<p>Shows the amount of NCDOT staff who have been working on Hurricane Helene Projects the past 2 weeks vs the total amount of consultants and contractors.</p>	<p>Data reported is coming directly from the divisions impacted.</p>
<p>7, Debris Removal</p>	<p>Shows the percent of debris cleared for each county (uses the County filter to select a specific county)</p>	<p>Data reported is coming directly from the divisions impacted.</p>

Express Design Build Page:

Express Design Build



Express Design Build Bridge Packages	Div.	Packages	Advertisement	Bids Due	Awarded	Bid Amount
2	Wave 1		Total Bridges = 7			
	Div 11	1) 1 Bridge	12/5/2024	1/9/2025	1/23/2025	\$2.6M
	Div 11	2) 1 Bridge	12/5/2024	1/9/2025	1/23/2025	\$2.5M
	Div 13	1) 2 Bridges	11/22/2024	12/19/2024	12/30/2024	\$3.1M
	Div 14	1) 3 Bridges	11/22/2024	12/17/2024	1/3/2025	\$4.7M
	Wave 2		Total Bridges = 9			
	Div 13	2) 2 Bridges	12/12/2024	1/9/2025	1/22/2025	\$4.8M
Div 13	3) 2 Bridges	12/12/2024	1/9/2025	1/22/2025	\$3.5M	
Div 13	4) 2 Bridges	12/12/2024	1/9/2025	1/22/2025	\$4.6M	
Div 14	2) 3 Bridges	12/12/2024	1/9/2025	1/22/2025	\$5.5M	
Total Bridges 57	Wave 3		Total Bridges = 20 & 2 Culverts			
	Div 11	3) 2 Culverts	1/2/2025	1/30/2025	1/30/2025	\$5.1M
	Div 11	4) 3 Bridges	1/2/2025	1/30/2025	1/30/2025	\$4M
	Div 13	5) 2 Bridges	12/19/2024	1/21/2025	2/4/2025	\$3.7M
	Div 13	6) 3 Bridges	12/19/2024	1/21/2025	2/4/2025	\$10.4M
	Div 13	7) 3 Bridges	12/19/2024	1/21/2025	2/4/2025	\$7.6M
	Div 13	9) 5 Bridges	12/19/2024	1/21/2025	2/4/2025	\$6.4M
	Div 14	3) 2 Bridges	12/19/2024	1/21/2025	2/4/2025	\$5M
	Div 14	4) 2 Bridges	12/19/2024	1/21/2025	2/4/2025	\$5.3M
	Wave 4		Total Bridges = 13			
	Div 13	10) 4 Bridges	1/16/2025	2/18/2025		
	Div 13	11) 4 Bridges	1/16/2025	2/18/2025		
	Div 13	12) 2 Bridges	1/16/2025	2/18/2025		
	Div 13	13) 1 Bridge	1/16/2025	2/18/2025		
Div 13	14) 2 Bridges	1/16/2025	2/18/2025			
Wave 5		Total Bridges = 8				
Div 13	15) 3 Bridges	2/13/2025	3/4/2025			
Div 13	16) 1 Bridges	2/13/2025	3/4/2025			
Div 13	17) 4 Bridges	2/13/2025	3/4/2025			
					Total:	\$78.8M

*Package 13-8 bridge added to Progressive Design Build Chimney Rock Project

Last Updated: 2/7/25

Element	Description	Data Source
1, Back Button	This element allows you to return to the main dashboard page	N/A
2, Express Design Build Bridge Packages	Includes information relevant to the Express Design Build Bridge Packages.	Updates are directly reported from the divisions.

Major Corridor SitRep Page:

Major Corridor SITREP

Week
2 02/07/2025
3 Current Week

← 1
*Use Scrollbar on right side to see full text.
Last Refreshed: 02/07/2025

4 Division 11

- NC 88 – Awarded to GSI, Repairing 3 major slide locations. NC 88W is closed from MM 14.5 - 15.4 due to wall construction and connectivity issues between multiple sets of portable traffic signals. Traffic is being detoured around the Carl Eastridge Loop. The goal is to have the road reopened in a couple of weeks. The REVISED estimate for NC 88 corridor is \$11.0 MIL

Division 13

- US 64/74 Progressive Design Build, Est. Cost \$286M – Awarded 11/21/24 to Wright Brothers; Designer STV; PM Firm HNTB; Design progress 5%; Construction date (projected) April 2025.
- US 19W Progressive Design Build– North Project- Est. \$318M; Awarded 1/14/25; Contractor- Summers-Taylor/SEMA JV; Designer- JMT; PM Firm- TranSystems; Design Progress 0%; Construction date (projected) May 2025.
- US 19W Progressive Design Build South Project- Est. \$198M; Awarded 1/27/25; Contractor-Branch Civil, Inc.; Designer- HDR; PM Firm- TranSystems; Design Progress 0%; Construction date (projected) May 2025.
- NC 197S Proaogressive Design Build – Est. Cost \$291M; Advertised 12/18/24; Award date 2/13/25; Construction date (projected) June 2025.

Division 14

- I-40 Construction Manager/General Contractor Project – Est. Cost \$1B; Awarded 10/11/24; Contractor -AMES; Design Firm- RK&K; PM Firm- HNTB; Work Package #1 – Mobilization, Field Office, Erosion Control, Causeway Construction, and Traffic Control; Estimates have been submitted and a first reading has occurred; Design Progress (As a %) – <5% (Pre-design Subsurface Investigations underway, Traffic Management Plan for Temporary Road Opening complete, Erosion Control Plans underway.
- US 74A Construction Manager/General Contractor Project – Est. Cost \$95M; Awarded 11/25/24; Contractor -Wright Brothers; Construction Date (projected)-March (2025) - First work package tentatively by April 15, 2025; Design at 5%; Designer-HDR; PM Firm- HNTB.
- US 64 Bid Build – Eng. Est. \$46.5M; Design - 100%; All documentation submitted for FHWA concurrence and Federal Aid number assignment; 12 bids were submitted; Low bid was ~\$32.85M by Blythe Construction Inc.

Element	Description	Data Source
1, Back Button	This element allows you to return to the main dashboard page	N/A
2, Week Drop-Down Option	The drop-down bar allows you to select any past week (from 11/01/2025 to current week) to view archived updates.	N/A
3, Current Week Button	This button will reset the information to include updates from the current week.	N/A
4, Information For Division 11, 13, And 14	Includes the Major Corridor Situational Report from each of the impacted divisions.	Updates are directly reported from the divisions.

Frequently Asked Questions

Please refer to this source for information regarding how to navigate the storyboard and access important information surrounding the data.

1. How can I share the storyboard internally?

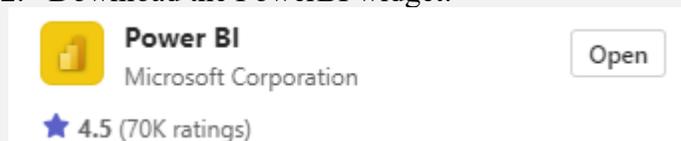
All NCDOT employees will have access to the WNC STRONG Storyboard. You can share the Storyboard internally via Microsoft Teams or Office 365. This storyboard is not intended for use outside of NCDOT.

2. Where can I access the storyboard?

Here is the link to the browser format of the storyboard: [WNC STRONG Executive Storyboard](#)

To view on Microsoft Teams:

1. Ensure that you have the PowerBI app added to your MS Teams interface by selecting “Apps” on the left taskbar and searching “PowerBI”.
2. Download the PowerBI widget:



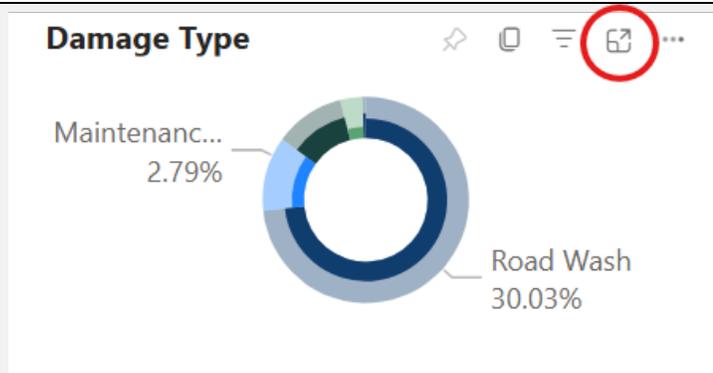
3. Open the widget. If the WNC STRONG Executive Storyboard has been shared with you, you will be able to see the document in your recent files.

To view on Office 365:

1. Go to portal.office.com and you will be auto logged in if you are connected to the NCDOT network.
2. Click the apps icon in the upper lefthand corner of your browser. Select PowerBI widget.
3. Refer to 3 above.

3. How can I view charts in more detail?

You will notice that not all chart labels appear on the storyboard, depending on the size of your screen. You can view each chart in “Focus Mode” to view will details. To do so, in the top, righthand corner of the chart, you will see a taskbar that looks familiar to the one below. The icon circled in red is the “Focus Mode” button that allows you to view the chart in more detail (i.e. increase size, show more labels).:



After selecting this button, the visual will take up the entirety of your screen. To go back to the main storyboard, select the “Back to report” button in the upper lefthand corner of the screen, right below the taskbar.

4. How often is the storyboard updated?

Data in this storyboard is automatically refreshed daily on weekdays. Typically, this update is completed around 6:00 AM EST.

5. How do I clear the filters on the storyboard?

To clear all filters, press the “Clear all filters” button shown below. The button is in the middle of the top taskbar of the storyboard:



6. What do points on the map represent?

Points displayed in the map represent Rebuild Projects. These are projects that have a site-specific WBSs established in SAP.

7. How do I clear my map selection?

When you select a point or group of points on the map, the dashboard will update to display information filtered by those selected projects. To clear your selection of a location marker on the map, move your cursor to any blank space within the map area and click. This will reset your map and storyboard to show information for all sites.

8. I have a question about this storyboard. Who do I contact?

Please contact cmmbry@ncdot.gov for further questions.

Other Helpful Links

[NCDOT Road Reopening for Hurricane Helene 2024](#)

[Hurricane Helene Detour Routes](#)

[NC Department of Public Safety Hurricane Helene Information](#)