

ATLAS TRAINING GUIDE

DRAFT – Version 1

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This is a living document and updated regularly.



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ATLAS Overview

ATLAS is an acronym for Advancing Transportation through Linages, Automation, and Screening. The program improves business processes by providing up-to-date, authoritative human and natural resource data and a storage framework to support informed project development. To access the ATLAS tools, users must use their NCID username and password.

The purpose of this guide is to provide a broad overview of all ATLAS Tools: Search, Screening, and Workbench. This guide includes information on the use and functionality of all three tools. For specific training guidance, please visit the <u>ATLAS Training Site</u>.

In addition to the ATLAS tools, the ATLAS Resources SharePoint Connect site has valuable information for ATLAS users to access. Here, users can find a variety of resources related to ATLAS such as release notes, information, documentation, training materials, links to the to the tools, and files.

In all ATLAS tools is a header in the upper ribbon that contains the icons for the respective tools' buttons (ATLAS Search , ATLAS Screening). Users can toggle between the respective tools' buttons to take them over to the Search (from Screening) or to Screening (from Search). Other helpful features located in the upper ribbon are the About button, the Help button, and the Additional Resources button. The About button, gives a detailed description of Project ATLAS and how the tools may be useful. The Help button includes information on how to find more information on the tools and how to request help or provide feedback by emailing <u>ATLAS@ncdot.gov</u>. The Additional Resources button is a useful page that includes a variety of links related to ATLAS Tools, ATLAS Training, ATLAS Deliverables and GIS Resources, ATLAS Policy Resources, and Other NCDOT Programs.

| | | About | Additional Resources | Help |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|------|
| Additional Res | ources | | | |
| | | | | |
| ATLAS Tools | | | | |
| | | | | |
| Resource | Description | | | |
| ATLAS Resources | NCDOT Connect site for resources using ATLAS including release notes, information documentation, training materials, and useful links | | | |
| ATLAS Workbench Tipsheets | PDF document to guide users on logging into and accessing the ATLAS Workbench for uploading project documentation | | | |
| ATI AS Trainir | | ß | | |
| | | | | |
| Resource | Description | | | |
| ATLAS Training | NCDOT Connect site to access ATLAS Training Modules that guide users on the Search & Screening Tools and Workbench ATLAS Deliverables and GIS Resources | | | |
| ATLAS Delive | rables and GIS Pesources | | | |
| ATLAS Delive | Tables and GIS Resources | | | |
| | | | | |



ATLAS GIS Layers and Templates

There are more than 700 GIS layers in ATLAS. Layers with an asterisk (*) indicate that these layers are available in both the Search and Screening Tools. Layers can be searched by Project Delivery **Category**, Final Key **Document** deliverable or the **Organization** that hosts or owns the data layer, and the keyword search returns a list of datasets that contain the search text in their name, description or owning organization.

| TLAS S | earch Tool | | | | | |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------|----------------------|--------|--|
| \$ | | | About | Additional Resources | Help | |
| Search for Laye | ers | | Layer Details | | | |
| Search by | Category ~ | | Click a layer name after performing a search for more information. | | | |
| Keyword | Reset | | | | | |
| Layers Meeting Se 748 | earch Criteria: Layers Selected: 0 | | | | | |
| + Human Enviro | onment | | | | | |
| + Natural Envir | ronment | | | | | |
| Layers without a c * indicates that a Tool. | checkbox are secured and cannot be added to the map. layer is available for selection in the ATLAS Screening | | | | | |
| | | | | Back | to Map | |
| | © 2023 - North Ca | rolir | na Department of Transportation. Version 1.21.1.0 | | | |

GIS Layers are organized into two main categories: Human Environment and Natural Environment. Human Environment layers include those layers related to:

- Boundaries
- Community
- Cultural resources
- Demographics
- Geo environmental
- Noise and air
- Public property
- Special districts
- Transportation
- Utilities

Natural Environment layers include those layers related to:

- Coastal
- Conservation area
- Fish and aquatics



- Flood data
- Hydrography
- Land cover
- Mitigation
- Physiography
- Threatened and endangered
- Water quality
- Wetland

To find more information about a layer in the Screening Tool, select the Layer Information button. To find more information about a layer in the Search Tool, you can view the layer details by clicking on the layer in the list, and the information appears on the right-hand side of the screen. The Detailed Information button can provide information on the layer's description, owner, web service link, metadata, and field information.

| ATLAS Search Tool | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| \$ | About Additional Resources Help |
| Search Home 🧼 Layer Details | |
| Layer Name | NCDOT ATLAS NC Hydrography |
| Alias Name | NCDOT_NCAtlasHydrography |
| Description | The ATLAS Hydrography version 1.4 dataset is a statewide polyline layer depicting location and various regulatory considerations of water resources with respect to transportation planning.This data is current as of December 2021 and is not the officially adopted layer for the state of NC but supports NCDOT in the generation of following reports: General Planning.NRT generation (location of water resources, name/index numbers of waters, water quality classifications, impaired waters, NCWRC trout waters, USACE stream habitat temperature, bald eagle habitat).Permitting (Section 10 permitting, Section 404 permitting, Section 401 permitting, Individual permitting, stream location, USACE jurisdiction, NC Division of Coastal Management (NCDCM) jurisdiction, water quality classifications). Streams data are used in various other reports that the Sweeping Environmental group is not involved with, i.e., Protected Species modeling, NCDOT hydraulics studies etc. Datasets developed under Project ATLAS do not replace any Sweeping Environmental group field work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre- decisional. cold, cool, warm, anadromous, spawning |
| Owner | NCDOT, GIS Unit, GIS Engineering Transportation Systems |
| Web Service | https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_NCATLASHydrography/MapServer/0 |
| Metadata Link | https://xfer.services.ncdot.gov/gisdot/Metadata/Atlas/NC%20ATLAS%20Hydrography.pdf |
| Disclaimer | This application does not replace project screening and reviews conducted by licensed professionals. |
| | Get Field Information |
| | |
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ATLAS Templates are preloaded layers developed by NCDOT disciplines. The <u>ATLAS GIS Layers &</u> <u>Templates</u> Excel document is available on the ATLAS Resources page that details the current ATLAS GIS layers and templates, descriptions, data sources, and URLS. A couple of important templates to note include:

- Merger Pre-Screening: This template can be used to help identify potential issues and conflicting resources relevant to Merger Screening and can also be used to identify needed technical studies. The mapped resources are not comprehensive and should be field verified.
- Initial Issues Identification Template: This template is helpful at the beginning of a project to identify potential issues, needed technical studies, agency coordination, and environmental permits. It includes key natural and human environment layers. This can be used to develop a project scope and schedule but does not replace appropriate field surveys.



ATLAS Search Tool

The Search Tool is used to search or download data related to project development, as well as find and analyze a variety of data layers from multiple sources at once. The three primary functions of the tool: find GIS data from multiple sources in one place, view data on map, and download multiple data sources at once in GDB, SHP, and/or DGN formats. The data is useful for preparing for scoping, completing a technical report, or compiling an environmental document.

ATLAS Seach can be accessed four different ways:

- Via the Connect home page
- Via Preconstructions home page
- Via the Project Site
- Via the Direct URL: <u>Search Tool</u>

ATLAS Search Actions

There are four key actions that you can perform in the tool:

- 1. Find an area of interest: find an area by downloading or creating a study area, or by zooming into the map. To select an area of interest, either
 - a. Search by Address or Place to zoom to a specific location on the map
 - b. Click the find location icon to find the coordinates of any point on the map.
 - c. By uploading or drawing a study area by polygon, square, or circle areas less than 10 square miles.





- 2. Selecting layers: select the layers to be viewed or downloaded. Options for layer selection:
 - a. Search for layers by category or keyword.
 - b. Click on the Identify Feature icon to access information and identify features on the map.
 - c. Save a combination of layers that you selected from the layer search by using the Save Layer Selection tool.
 - d. Layer Selections is used to add NCDOT templates or previously saved list of layers to your map. Templates are pre-set layers created by the ATLAS Business Team.





- 3. Add labels/geometric figures and measure: add graphics or take measurements on the map. Options for adding labels/images and measuring on the map:
 - a. Use the Draw tool to add points, lines, polygons, and circles.
 - b. Select the Measure Distance icon to measure the distance between any two points.
 - c. Select the Measure Area icon to measure the area of a drawn selection.



- 4. Download layers: download the GIS layers. Options include:
 - a. The Download Data tool allows you to download your data, clipped to your study area, in either SHP, GDB, or DGN formats.



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ATLAS Screening Tool

The Screening Tool is used to view and generate a report of resources within a study area using a subset of GIS layers. Screening templates are available that have pre-selected multiple layers for specific topics or reports.

To access the Screening Tool, you must login using your NCID username and password. ATLAS Screening can be accessed four different ways:

- Via the Connect home page
- Via Preconstructions home page
- Via the Project Site
- Via the Direct URL: <u>Screening Tool</u>

ATLAS Screening Actions

With the Screening Tool, there are three key actions that you can perform in the tool:

- 1. Identify key features in a study area in one of three ways:
 - a. By Project ID, which screens by using a project ID such as the STIP or SPOT number.
 - b. Upload a zipped shapefile of a previously developed study area (no larger than 10 sq. miles).
 - c. Draw Study Area which is useful to screen on a drawn line, drawn shape, or identify a point that can be buffered to create a study area to screen.

| CONTRASS Creening Tool | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| | | About Additional Resources Help |
| Welcome to the Project Developme | ent Screening Tool | |
| In order to screen a project study area, you need to complete a few steps: 1. Build Your Study Area 2. Buffer Your Study Area (optional) 3. Select Data to Screen 4. View, Download, and/or Share Your Screening Report To build you like to build your Project Study Area? By Project ID Select If you know your STIP or SPOT ID for the project you are screening. | b Upload Study Area Select if you have a study area boundary in zip format. | C Draw Study Area Select If you would like to build your study area using the draw tool. |
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- 2. After identifying your study area, customize screenings to fit a subject matter by selecting GIS layers to screen.
 - a. Layers can be individually selected, or you can select a template. Templates serve as a framework to guide the selection of GIS layers during the screening process. Template options include creating a new template, using a DOT template, or using a previously saved template. then modify the GIS layer selection.
 - b. After a template is identified, you have the option to apply a buffer, and then modify

| W ATLAS Screening Tool | | | |
|---------------------------------------------------------------------------------|-------|----------------------|------|
| | About | Additional Resources | Help |
| Screening Home » Draw a Study Area » Screening Settings | | | |
| Screening Settings | | | |
| Select if you want to build your screening from scratch. © Create New Template | | | |
| ○ Use DOT Template ○ Use My Saved Template Back | | I | Next |
| | | | |
| | | | |
| | | | |
| | | | |
| © 2023 - North Carolina Department of Transportation. Version 1.21.1.0 | | | |

the GIS layer selection.

| W ATLAS Screening Tool | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| | About Additional Resources Help |
| Screening Home • Draw a Study Area • Select a Screening Template • Apply a Buffer • Select | Layers to Screen |
| Select Lavers to Screen | |
| | |
| Use the check boxes to add layers to your project screening. Click the layer name to preview the layer on the map, view layer information, or set sub-report fields for specific layers. | ± |
| Search by keyword | |
| - OHuman Environment | |
| - OBoundaries | |
| O NC DEQ CAMA Counties (DCM List) | |
| NC DIT Electric Vehicle Justice 40 Communities | |
| C NC MPO RPO Boundary Name | |
| C NC Opportunity Zones | |
| NC Statewide Parcel Data Polygons | |
| NCDOT County Boundaries Polygon v | State of North Carolina DOT, East, HERE, Garmin, INCREMENT P, Intermap, NGA, USGS Powered by East |
| Back | Next |
| | |
| | |
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| | |



- 3. Screening Reports are built and available for download after adding a report name and clicking Screen Your Project. All downloaded reports include standard information on the first page:
 - a. Date, report name, description, county, and NCDOT division of your study area
 - b. The study area size and buffer size entered by the user
 - c. The ecoregion, hydrological code (HUC), if the study area is in a Coastal Act Management Area (CAMA), if riparian buffer laws apply based on the river basin, and there is an airport with four miles
 - d. A map showing the location of the study area and buffer



The remaining page(s) in the Screening Report lists all the layers screened, a count of features intersecting the study area, total coverage of features within the study area, and the distance to the nearest feature from the study area are identified for each layer.



ATLAS Workbench Tool

The Workbench Tool is used to upload and find final project deliverables and track important project information. Using the Workbench provides a way to quickly direct users to the final version of deliverables and ensures data governance is maintained for all project files. ATLAS Workbench is a project-based data and document governance platform. It is designed to create a central repository for final project deliverables identified in the Project Delivery Network (PDN), project-specific geospatial data, and qualitative question associated with a project.

Workbench includes two key functions:

- 1. Final deliverables should be uploaded as they are completed so they are stored in the correct SharePoint/Connect folder
- 2. Qualitative questions should be answered as the information is available throughout the process, so that information is available for the entire project team.

ATLAS Deliverables include final documents, data, and/or files that are required to be uploaded into ATLAS Workbench web application. Not all ATLAS Deliverables are required on all projects. The NCDOT PM (Central, Division, or Technical Unit PM) will determine required work based on project scope and screenings. Files uploaded to ATLAS must follow the ATLAS Standards. For a more detailed guide for uploading final project documentation and spatial data to the ATLAS Workbench, please review the ATLAS Workbench Standard document.

When you upload a file to ATLAS Workbench, it automatically saves the file to the project's Scoping or Preconstruction project site on Connect. Uploading these files to ATLAS Workbench ensures that files are saved with the correct naming convention and correct metadata and key document tags are assigned in the project record. For a comprehensive list of ATLAS Workbench final deliverables, please view the ATLAS Workbench Comprehensive List.

PDN Stages incorporated into ATLAS Workbench include:

- Project Initiation: Uploaded project records are saved to Connect Scoping
- Preconstruction: Uploaded project records are saved to Connect Preconstruction



Navigating to ATLAS Workbench

Workbench is a project-specific application, and all information shared throughout Workbench is tied to the specific project. This requires users to access Workbench by going to the specific project through Connect. In order to access Workbench, users must be logged into the Connect project site. Once a specific project is selected, ATLAS Workbench is found on either the left ribbon under "ATLAS Tools", or under the "ATLAS Tools" collapsed menu in the center of the screen.

| Preconstruction Home | NOTICE: All libraries will everything is uploaded a For any changes or addi | I be locked approximately 7 weeks prior to letting to ensure there are no changes during plan checking and finaliz nd marked before locking. This includes final sealed plans, final sealed special provisions, labeling key documen tions needed after this date, please contact the Contract Office for central let projects finalplans@ncdot.gov, or |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precon Dashboard | let projects. | |
| Project Site | In the second secon | |
| Change Report | Disciplines | |
| Recently Modified | | |
| → Key Documents | * Collaboration | |
| Project Contacts | ▶ LET Preparation | |
| Email Project Contacts | Lerroparation | |
| Project Info U-6004 | * Post LET | |
| Project Management | ATLA S Tools | |
| noject management | | |
| Project Schedule | ATLAS Workbend | to monitor project status, submit your final project documents, and upload spatial deliverables |
| Precon Tools | USE THE WORKDERG | in to monitor project status, submit your man project documents, and uproad spatial deliverables. |
| → Pay items & Quantities | ATLAS Data Sear Use the Data Sear | ch Tool reh Tool to access GIS datasets from multiple sources in one single search interface |
| ➔ Project Commitments | ose nie bata sea | ten foor to access one datasets nom multiple sources in one single search interface. |
| ➔ Submittal Tracker | ATLAS Screening Use the Screening | Tool to analyze a project study area for natural and human environment impacts based on key GIS datasets. |
| Avoidance and Minimization Tracker | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Processing Requests | Consulting Firm A | access Summary |
| Grant Consulting Firm Access | Role | Firm Name |
| Grant Municipality Access | Utilities | CH Engineering PLLC |
| Lock/Unlock Projects | Roadway Design | Michael Baker Engineering Inc |
| Unlock Pay Items | Roadway Design | Pinecone Transportation Professionals PLLC |
| Reference | Project Management | Michael Baker Engineering Inc |
| ➔ Preconstruction Help | Utilities | Michael Baker Engineering Inc |
| ➔ Discipline Specific Links | Utilities | Pinecone Transportation Professionals PLLC |
| | Right of Way | Michael Baker Engineering Inc |
| | Right of Way | Pinecone Transportation Professionals PLLC |
| ATLAS Workbench | Location and Surveys | Wadelynn Geospacial LLC |
| ATLAS Data Search Tool | Location and Surveys | NVS (Tormery GALTA Engineers and Consultants Inc) |



ATLAS Workbench Components

Once logged into Workbench, users will see the main components of the tool:

- 1. Header: links to other ATLAS tools and Additional Resources.
- 2. Basic Project Info Page: located on the right of the screen and includes the basic information of the selected project the user has accessed.
- 3. Left Side Bar: information is stored in Workbench by Discipline, listed on the left side of the screen. The discipline list is used to navigate to the specific discipline to upload or find the associated deliverables. This section also includes buttons for Content Search, Check Status, and Generate Reports.
 - a. Content Search function allows users to search for a word or phrase on a Discipline Page. The search returns a match if the text is found in a discipline name, a section, a control text, or a file name. Search results are case sensitive.
 - b. Check Status function updates the checkmarks for each page to indicate whether controls on the tab have been completed. Before performing Check Status, all checkmarks are black. After performing Check Status, the stats checkmarks change color based on different rules:

| # of required controls on tab | # of completed controls on tab | Checkmark color |
|-------------------------------|----------------------------------|-----------------|
| None | None | Red |
| 1 or more | None | Red |
| None | 1 or more | Green |
| 1 or more | All required controls | Green |
| 1 or more | Some, not all, required controls | Yellow |

- c. Generate Reports function currently has two types of PDF reports that can be generated: Preliminary CE Checklists and Workbench Reports. The CE Checklist report includes responses to Yes/No controls associated with a CE Type 1, Type 2, or Type 3 question. Workbench Reports display controls along with answers and links to uploaded files for all Workbench tabs or selected Workbench tabs.
- 4. Saving and Additional Tools: located at the bottom of each data entry area, users can view a PDF of that page and access other tools.
- 5. Project Information from SAP: Relies on the presence of WBS Element of TIP Number in Preconstruction Site Request. This may include links to Precon Tools such as Project Numbers, Estimates, Key Milestones, and Contacts.



| ATLAS Workbench | | | | | |
|--------------------------------------------|---------------------------------------------|--------------------------|--|--|--|
| \$ ♀ | | | | | |
| Content Search Check Status | 2 Basic Project Info - J | <u>U-6004</u> | | | |
| 3 General Reservation | Project Name | U-6004 | | | |
| Basic Project Info | Project Description | | | | |
| Project Management | | | | | |
| NEPA and Agency Coordination | County | | | | |
| Project Scoping 🖌 | Division | 09 | | | |
| Preliminary Environmental Considerations 🛩 | | | | | |
| Merger Pre Screening 🖌 | TIP ID | U-6004 | | | |
| Merger 🖌 | Prime Firm Name | Kimley-Horn & Associates | | | |
| LGA Coordination | | | | | |
| Final Environmental Documentation 🕜 | Funding Source | Federal | | | |
| Human Environment | | | | | |
| Air Quality 🖌 | Is there a lead federal agency? | Yes O No | | | |
| Archaeology 🖌 | Agency Name | FHWA | | | |
| Community Characteristics Report (CCR) 🖌 | | | | | |
| Community Impact Assessment (CIA) | Document Type | CEType3 | | | |
| Historical Architecture | | | | | |
| ICE/ICI | | | | | |
| Noise Analysis 🗸 | Project Information from SAP |) | | | |
| Public Involvement 🗸 | | | | | |
| Tribal | + Project Numbers | | | | |
| Natural Environment | + Estimates Data | | | | |
| Natural Mesources | + Key Milestones | | | | |
| Permitting | + SAP Contacts | | | | |
| Decises | Precon Tools | | | | |
| Bicycle Pedestrian & Transit | Bioula Beleritias E Travit | | | | |
| Geo-Environmental 🖌 | 4 Project Commitments Avoidance and Minimiz | tation Tracker | | | |
| | | | | | |



ATLAS Workbench Discipline Tabs

Each Discipline tab is uniquely designed based on that group's specific needs. Most discipline tabs include three different elements:

- 1. Information: Provides general information and guidance, and is purely instructional text
- 2. Qualitative questions: These are questions that help users understand potential issues, what has been completed, and when major milestones were completed. Qualitative questions can include Yes/No, Text, Date, Dropdown, or Multiple Select fields/controls.
- 3. Uploads: These are the final versions of important deliverables that together create the project record. As an external user, users can view and download uploaded document but cannot upload any of their own. Uploads can include PDF, XLSX, PPTX, DGN, Document Set, Generic ZIP, or SHP ZIP controls.
 - a. A "CE" designation after a question indicates that it is include on the CE Reports, which can be automatically generated through Workbench.

| Commu | unity Characteristics Report (CCR) - <u>U-6004</u> | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Is this section re | equired? ● Yes ○ No | Save |
| ▲ - 1 CCP Activiti | | |
| | For most projects, NCDOT Community Studies staff should complete the following questic are completing these responses, please remember that question responses must be consis | sultants |
| | * Is the project consistent with local area plans? (last saved: trgresham 3/16/2022 12:51:33 רייז) | |
| | ● Yes ○ No Clear | |
| | * Will the project impact recreational, bicycle, pedestrian, transit, or other community resources? (last saved: trgresham 3/16/2022 12:51:35 PM) | |
| | ● Yes ○ No Clear | |
| | * Will the project potentially impact agricultural or conservation lands/activities? (last saved: trgresham 3/16/2022 12:51:34 PM) | |
| | ○ Yes No Clear | |
| | * Will the project potentially impact economic or business locations/resources? (last saved: trgresham 3/16/2022 12:51:35 PM) | |
| | ● Yes ○ No Clear | |
| | * Will the project potentially impact Title VI/Environmental Justice populations? Please refer to the Demographic Screening Tool. (last saved: trgresham 3/16/2022 12:51:36 PM) | |
| | ○ Yes | |
| | * Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations? ^{CE} (last saved: trgresham 3/16/2022 12:51:36 PM) | |
| | ⊖ Yes ⊛ No Clear | |
| 2 | * Is a project-level analysis for direct, indirect, or cumulative effects required based on the NCDOT community studies screening tool? ^{cc} (last saved: trgresham 3/16/2022 12:51:34 PM) | |
| | ⊛Yes ONO Clear | |
| - 2. Upload | (The DIST, CIA, and other tech memos should be uploaded through the Community Impact Assessment tab.) | |
| | * 2EN2. Community Characteristics Report (PDF) | |
| | Browse | |