

# UPCOMING PROJECTS

## THE AMERICAN SOCIETY OF HIGHWAY ENGINEERS (ASHE) ALTOONA

VINCE GREENLAND, P.E.

ACTING DISTRICT EXECUTIVE

# DESIGN INITIATIVES

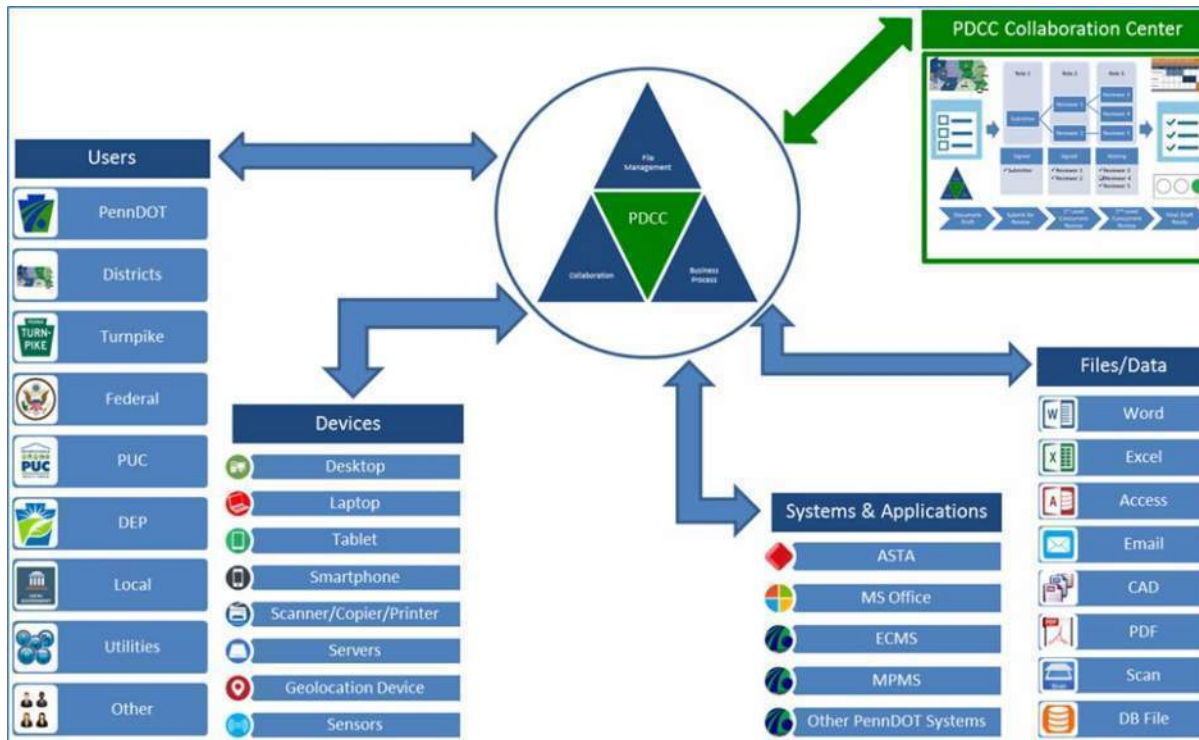
**Design Collaboration**

**Digital Delivery**

**3D Modeling**



# What is Project Delivery Collaboration Center?

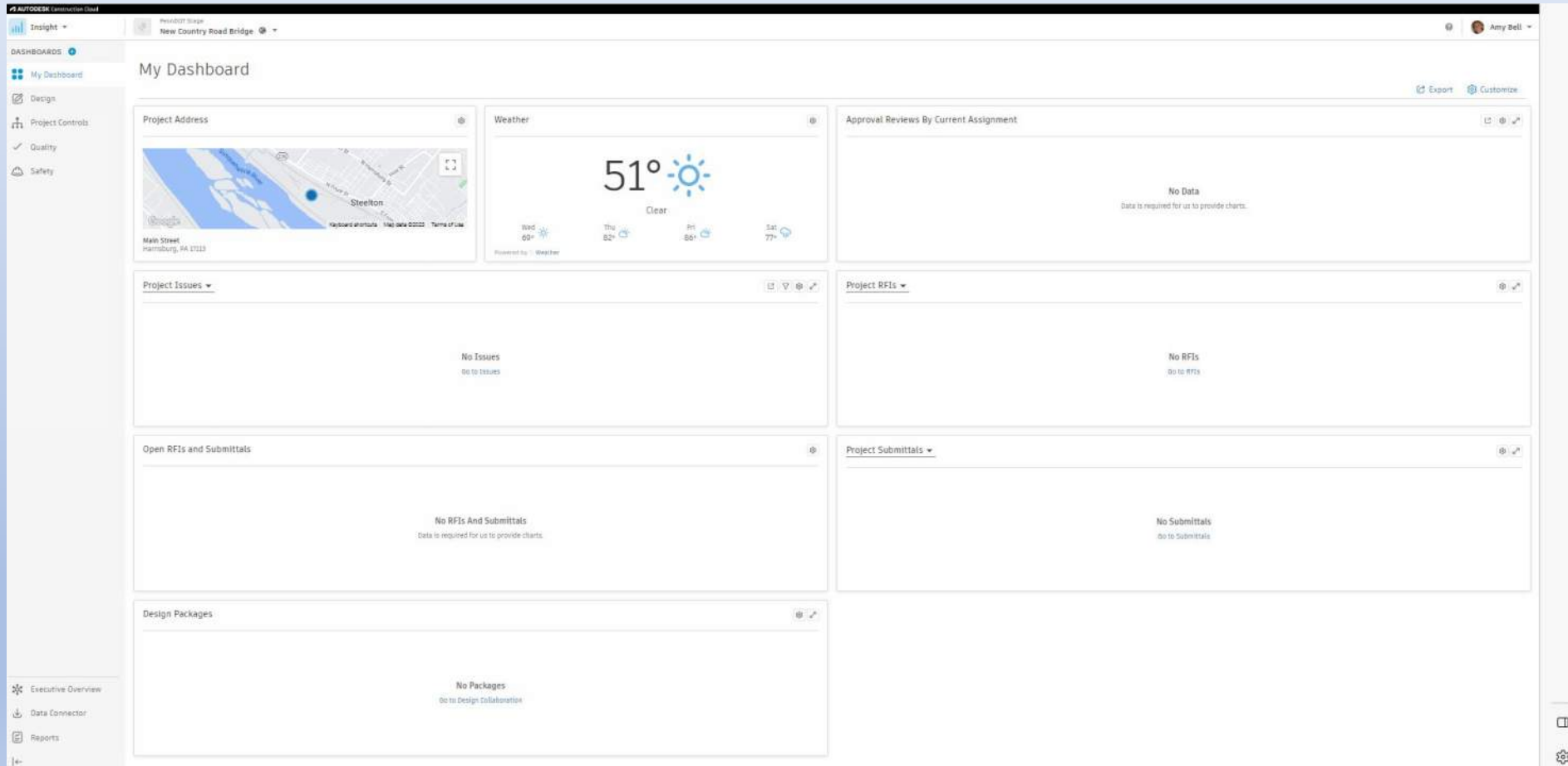


- Design “Hub”
- Interface with PennDOT Systems
- Workflows, dashboards, and “Separation of Duties” through user role authorizations
- Automate a significant portion of the current Design business processes and truly enable Design Teams to perform their daily operational tasks as an interactive and collaborative Team

# What is Autodesk Construction Cloud (ACC)?

- ACC is the core of the PDCC:
  - Administration and management of internal and external users
  - Project creation and management
  - Consistent File Folder structure
  - Approval Workflow processing for Review documents
    - Includes Plan Sheets and Drawings
    - Facilitates markups and versioning
  - Design Community Collaboration
  - Integrates / Interfaces with existing PennDOT Design systems

# Project Dashboard



# My Home Dashboard

**AUTODESK Construction Cloud**

Account Admin | Executive Insight | More Autodesk products | PlanGrid | BuildingConnected | TradeTap | Pye AutoSpecs

Welcome, Amy  
What would you like to do today?

My Home | Projects | Project Templates | Send feedback | Customize

### Assigned to me

● Overdue ● Due in 7 days ● Due after 7 days ● No due date

Issues: 0

RFPs: 0

Submittals: 0

Reviews: 1

### My projects

### Bookmarks

- Forms
- OneMap
- Follow the DOT

### Recent items

| Name                             | Last opened           | Project name            | Account name  |
|----------------------------------|-----------------------|-------------------------|---------------|
| 835 safetyreview-bridge.jpg      | Apr 24, 2023 2:10 PM  | New Country Road Bridge | PennDOT Stage |
| 835-bridge.jpg                   | Apr 24, 2023 2:05 PM  | New Country Road Bridge | PennDOT Stage |
| south 83-bridge-project-plan.jpg | Apr 24, 2023 10:17 AM | New Country Road Bridge | PennDOT Stage |

6:39 PM

# Dashboard

## Look Ahead

| Activity ID         | Task Name                   | Latest Progress | Remaining Duration | Planned Start Date | Planned End Date | Progress                            |
|---------------------|-----------------------------|-----------------|--------------------|--------------------|------------------|-------------------------------------|
| 010.010.040.030.010 | Prepare Final Cost Estimate | 0               | 5                  | 04/10/2020         | 04/16/2020       | <div style="width: 80%;"></div> 80% |
| 010.010.040.030.020 | Approve Final Cost Estimate | 0               | 2                  | 04/17/2020         | 04/20/2020       | <div style="width: 70%;"></div> 70% |
| 010.010.040.999     | Cost Estimate Complete      | 0               | 0                  | 04/20/2020         | 04/20/2020       | <div style="width: 50%;"></div> 50% |
| 010.010.050.010     | Hold Public Plans Display   | 0               | 10                 | 09/16/2019         | 09/27/2019       | <div style="width: 80%;"></div> 80% |
| 030.010.040.010     | Prepare BRPA                | 40              | 18                 | 09/15/2014         | 08/              |                                     |

## Documents

| Title   | Type          | Reviews | Next Reviewer                        | Status     |
|---|---------------|---------|--------------------------------------|------------|
| Airspace Clearance                                  | Miscellaneous | 0 / 5   | CO - (VE) Bureau of Project Delivery | No Started |
| Approval for Non-Use of Alternate Design Structures | Approval      | 3 / 3   |                                      | Complete   |
| Approval Non-Use of Alternate Design Structures     | Approval      | 2 / 3   | District Bridge Engineer             | Reviewing  |
| Approval of Road User Liquidated                    | Approval      | 4 / 6   | Design Project Manager               | Reviewing  |
|   | Review        | 5 / 6   | Design Project Manager               | Reviewing  |



## Video Log



## Consultant Agreements

| Agreement Number | Work Order | Last Invoice Date | Expiration Date | Current WO Amount | Remaining Amount |
|------------------|------------|-------------------|-----------------|-------------------|------------------|
| E04960           | 1          | 6/30/2022         | 12/30/2022      | \$200,000         | \$22,000         |
| E04991           | 2          | 5/31/2022         | 12/30/2022      | \$300,000         | \$13,500         |
| E05209           | 4          | 4/15/2021         | 9/30/2022       | \$500,000         | \$1,000          |
| E04200           | 5          | 5/31/2022         | 12/30/2022      | \$150,000         | \$5,300          |

# Project Information

|                  |       |        |    |                 |          |              |
|------------------|-------|--------|----|-----------------|----------|--------------|
| CE 1b Evaluation | 31706 | 113390 | 08 | 21 - Dauphin    | 3012/031 | Approved     |
| CE 2 Evaluation  | 31710 | 93176  | 08 | 21 - Dauphin    | 4024/023 | ADE-D Review |
| ED 2 Scoping     | 35875 | 115605 | 08 | 22 - Cumberland | 0081/001 | Preparation  |
| ED 1b Evaluation | 31711 | 85776  | 08 | 22 - Cumberland | 0081/002 | FHWA Review  |
| CE 1b Evaluation | 31712 | 113390 | 08 | 21 - Dauphin    | 3012/031 | Approved     |
| CE 2 Evaluation  | 31713 | 93176  | 08 | 21 - Dauphin    | 4024/023 | HDTD Review  |

|        |     |     |       |         |       |       |
|--------|-----|-----|-------|---------|-------|-------|
| 100391 | 278 | 173 | 27/10 | 47/10   | 47/10 | 17/10 |
| 78846  | 4/9 | 2/3 | 1/3   | 10/10 ✓ | 4/10  | 1/1 ✓ |

## Utility Status

| MPMS   | Complexity  | # Utilities | Let Date   | Aerial Conflict Resolutions | Underground Conflict Resolutions | Status                  |
|--------|-------------|-------------|------------|-----------------------------|----------------------------------|-------------------------|
| 87535  | Moderate    | 5           | 09/29/2022 | 0 / 9                       | 0 / 10                           | Verification            |
| 100391 | Non Complex | 2           | 06/29/2023 | 1 / 1 ✓                     | 0 / 1                            | Conflict Identification |
| 78846  | Moderate    | 7           | 08/29/2023 | 4 / 4 ✓                     | 0 / 3                            | Conflict Resolution     |
| 90839  | Moderate    | 5           | 09/29/2022 | 9 / 9                       | 2 / 10                           | Pre-Construction        |

## Permits

| App ID | Type                 | MPMS   | District | County     | Body of Water       | Anticipated Date | Status     |
|--------|----------------------|--------|----------|------------|---------------------|------------------|------------|
| 10247  | Chapter 105 GP-11    | 115605 | 08       | Cumberland | Birch Run           | 7/31/2022        | Authorized |
| 10889  | Chapter 105 Standard | 85776  | 08       | Cumberland | Susquehanna River   | 8/30/2022        | Authorized |
| 10935  | Chapter 105 GP-11    | 113390 | 08       | Dauphin    | Little Kettle Creek | 8/15/2022        | Authorized |

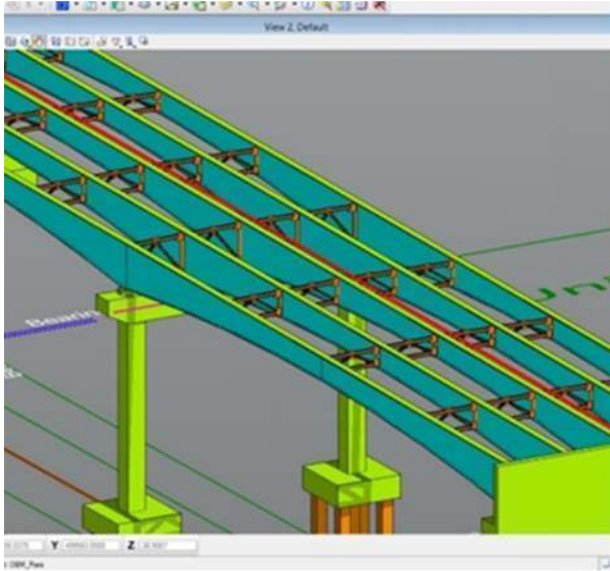


# Upcoming Schedule

- User Acceptance Testing: Late Summer 2023
- Initial version available: Late 2023
- Developing Training program

# CADD/3D MODELING

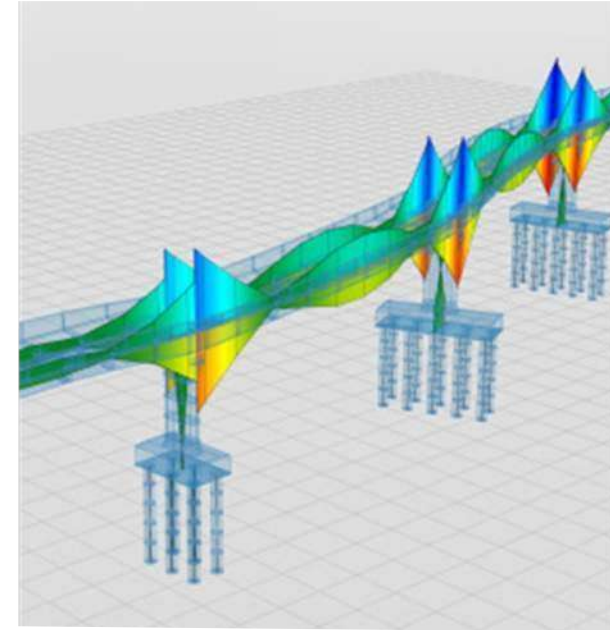




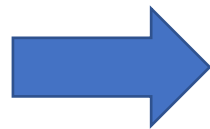
Bentley



Autodesk

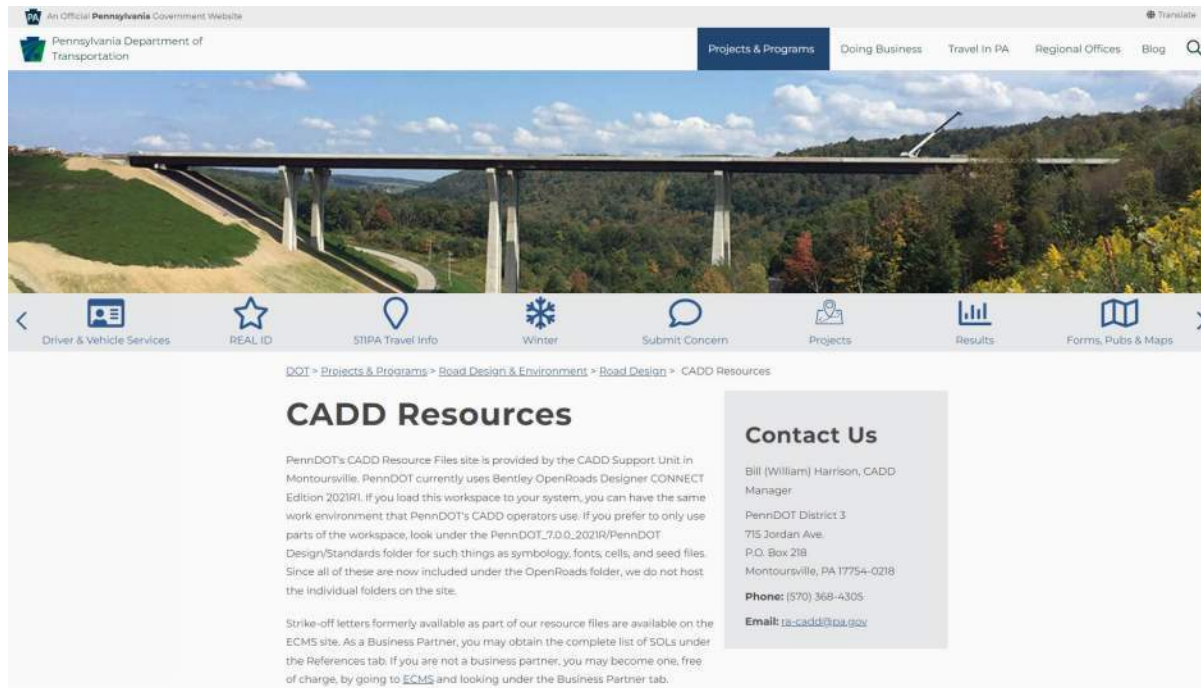


**CADD Moving Forward**



- Software Agnostic
- Autodesk Statekit Development
- Bentley Workspace Update

# CADD Resources (pa.gov)



The screenshot shows the Pennsylvania Department of Transportation website. The header includes the state logo, the text "An Official Pennsylvania Government Website", and the department name "Pennsylvania Department of Transportation". A navigation menu contains "Projects & Programs", "Doing Business", "Travel In PA", "Regional Offices", and "Blog". A large banner image depicts a highway bridge over a valley. Below the banner is a utility bar with icons for "Driver & Vehicle Services", "REAL ID", "STIPA Travel Info", "Winter", "Submit Concern", "Projects", "Results", and "Forms, Pubs & Maps". The main content area features a breadcrumb trail: "DOT > Projects & Programs > Road Design & Environment > Road Design > CADD Resources". The title "CADD Resources" is prominently displayed. The text explains that the CADD Resource Files site is provided by the CADD Support Unit in Montoursville, Pennsylvania, and is based on Bentley OpenRoads Designer CONNECT Edition 2021R1. It notes that users can have the same work environment as PennDOT's CADD operators by loading this workspace to their system. It also mentions that since all these files are now included under the OpenRoads folder, individual folders are no longer hosted on the site. A "Contact Us" sidebar provides the name of Bill (William) Harrison, CADD Manager, his address at PennDOT District 3, 715 Jordan Ave., P.O. Box 218, Montoursville, PA 17754-0218, his phone number (570) 368-4305, and his email address [ts.cadd@pa.gov](mailto:ts.cadd@pa.gov). A note at the bottom states that strike-off letters formerly available as part of the resource files are now available on the ECMS site, and that business partners can obtain a complete list of SOLs under the References tab.

<https://www.penndot.pa.gov/ProjectAndPrograms/RoadDesignEnvironment/RoadDesign/Pages/CADD-Resources.aspx>

# DISTRICT ADVERTISEMENT SUMMARY

## State Projects

- 1 Engineering/Environmental Open End
- 1 Construction Inspection Open Ends
- 3 Local Bridge Inspection Agreements
- 1 Project Specific Open End Agreement (1 Bridge Project)
- 2 Project Specific Open End Agreements (1 Roadway Project Each)
- 5 Structure Agreements
- 1 Structure Agreement (3 Bridge Projects)
- 1 Structure Agreement (4 Bridge Projects)

17 Total Agreements



# **DISTRICTWIDE AGREEMENTS**

## **1 – Engineering/Environmental Open End**

- Engineering Emphasis
- \$2 Million
- Advertisement: 3<sup>rd</sup> Quarter 2023
- Execution Anticipated: 4<sup>th</sup> Quarter 2023

## **1 - Inspection Open End Agreement**

- Inspection Emphasis
- \$2 Million
- Advertisement: September 2023
- Execution Anticipated: December 2023

## **3 – Local Bridge Inspection Agreements**

- 3 Districtwide Agreements
- Each Agreement Emphasizes 2 Counties
- Advertisement: Fall 2023
- Execution Anticipated: Spring 2024



# STATE PROJECTS

# BLAIR COUNTY



# ROUTE 1012 (10TH STREET) OVER BALD EAGLE CREEK



**Scope:** Superstructure Replacement on State Route 1012 (10<sup>th</sup> Street) over Bald Eagle Creek in Tyrone Borough, Blair County.

**Construction Estimate:** \$1.0 - \$5.0 Million

**Anticipated Bid Opening:** 1<sup>st</sup> Quarter 2027



# ROUTE 1012 10TH STREET OVER BALD EAGLE CREEK





# ROUTE 3013 DUNNINGS HIGHWAY OVER BEAVERDAM CREEK



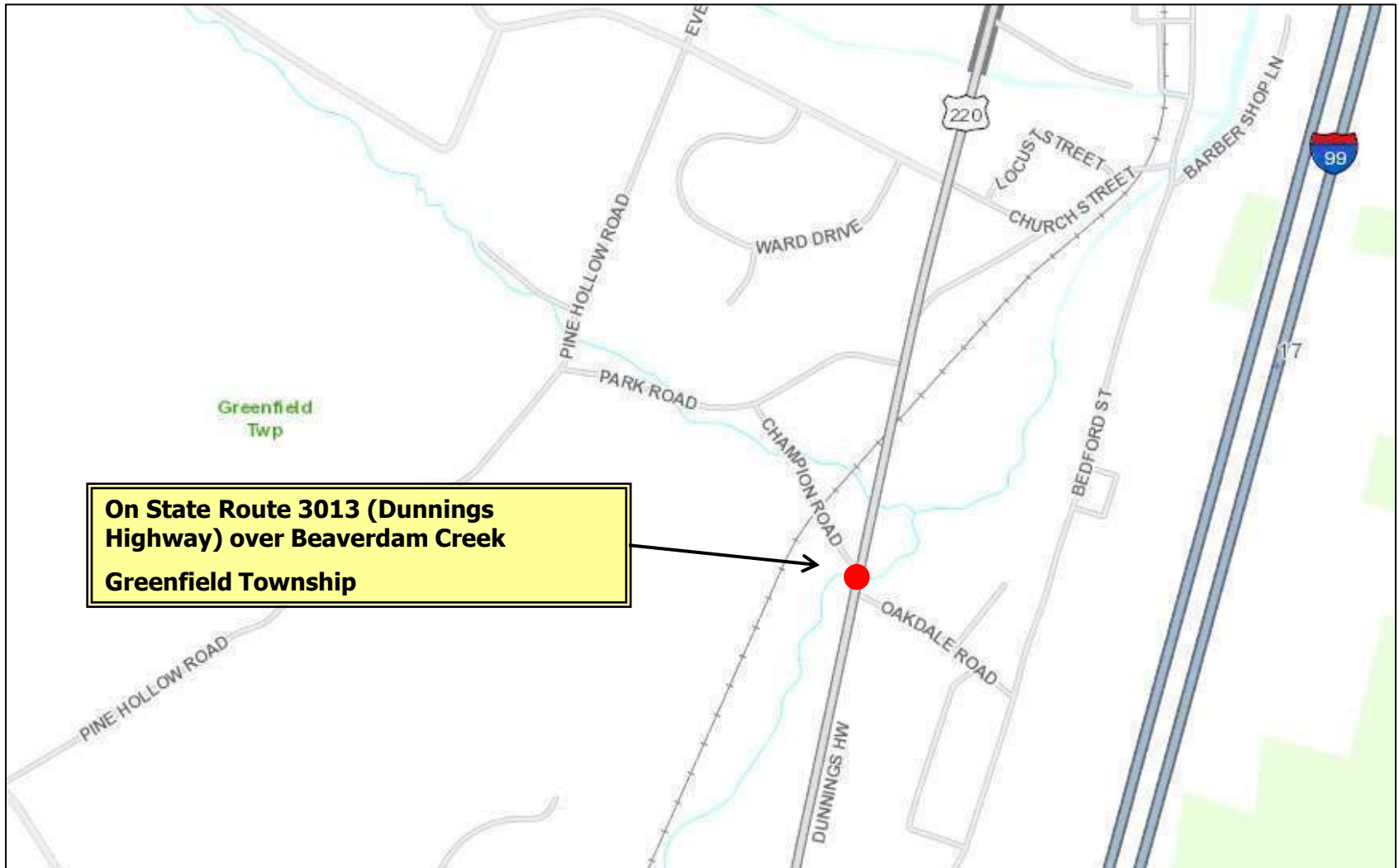
**Scope:** Rehabilitation on State Route 3013 (Dunnings Highway) over Beaverdam Creek in Greenfield Township, Blair County.

**Construction Estimate:** \$1.0 - \$5.0 Million

**Anticipated Bid Opening:** 1<sup>st</sup> Quarter 2028



# ROUTE 3013 DUNNINGS HIGHWAY OVER BEAVERDAM CREEK



**On State Route 3013 (Dunnings Highway) over Beaverdam Creek  
Greenfield Township**



# CAMBRIA COUNTY



# PA 53 CLEARFIELD VALLEY BLVD OVER BRUEBAKER RUN



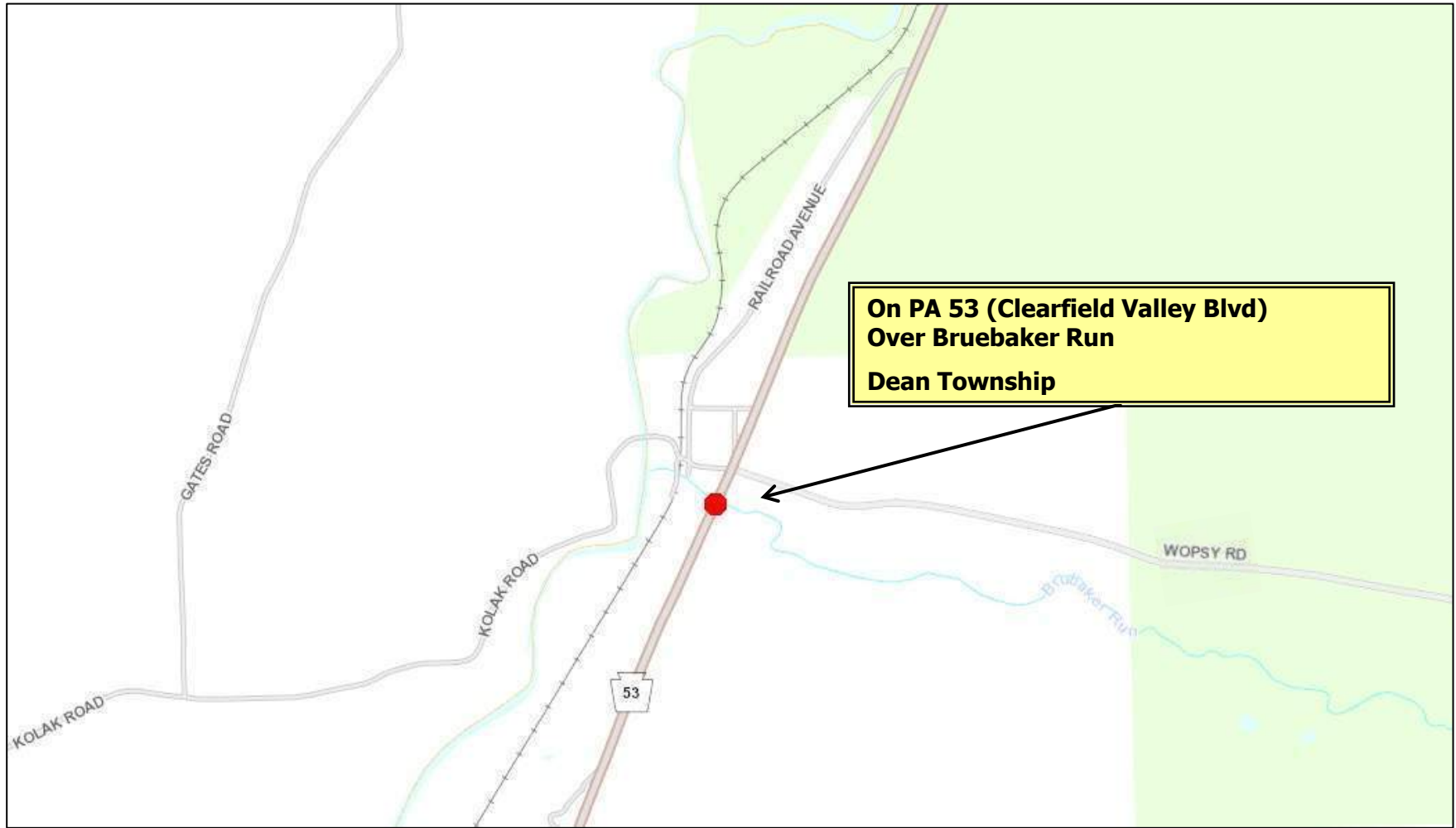
**Scope:** Structure Replacement on PA 53 (Clearfield Valley Blvd) over Brubaker Run near the intersection of State Route 1016 (Wopsy Road)

**Construction Estimate:** \$1.0 - \$5.0 Million

**Anticipated Bid Opening:** 4<sup>th</sup> Quarter 2027



# PA 53 CLEARFIELD VALLEY BLVD OVER BRUEBAKER RUN



# HUNTINGDON COUNTY



# PA 453 (BIRMINGHAM PIKE) FROM ROUTE 1017 SILVER BARN RD TO BLAIR COUNTY LINE



**Scope:** Resurfacing on PA 453 (Birmingham Pike) from State Route 1017 (Silver Barn Road) to Blair County Line in Birmingham Borough and Warriors Mark Township, Huntingdon County.

**Construction Estimate:** \$1.0 - \$5.0 Million

**Anticipated Bid Opening:** 2<sup>nd</sup> Quarter 2027



# PA 453 (BIRMINGHAM PIKE) FROM ROUTE 1017 SILVER BARN RD TO BLAIR COUNTY LINE

