

**AASHTO Innovation Initiative**  
[Proposed] Nomination of Innovation Ready for Implementation

<p><b>Sponsor</b></p>	<p>Nominations must be submitted by an AASHTO member DOT willing to help promote the innovation</p>	<p>1. Sponsoring DOT (State):</p> <hr/> <p>2. Name and Title:</p> <hr/> <p>Organization:</p> <hr/> <p>Street Address:</p> <hr/> <p>City:                      State:                      Zip Code:</p> <hr/> <p>E-mail:                      Phone:                      Fax:</p> <hr/> <p>3. Is the sponsoring State DOT willing to promote this innovation to other states by participating on a Lead States Team supported by the AASHTO Innovation Initiative? Yes or No:</p> <hr/>																				
<p><b>Innovation Description</b> (10 points)</p>	<p>The term "innovation" may include processes, products, techniques, procedures, and practices.</p>	<p>4. Name of the innovation:</p> <hr/> <p>5. Please describe the innovation. Describe how this innovation transforms your existing "state of play."</p> <hr/> <p>6. If appropriate, please attach photographs, diagrams, or other images illustrating the appearance or functionality of the innovation (if electronic, please provide a separate file). Please list your attachments here.</p> <hr/> <p>7. Briefly describe the history of its development.</p> <hr/>																				
<p><b>State of Development</b> (40 points)</p>	<p>Innovations must be successfully deployed in at least one State DOT. The All selection process will favor innovations that have advanced beyond the research stage, at least to the pilot deployment stage, and preferably into routine use.</p>	<p>8. How ready is this innovation for implementation in an operational environment? Please check of the following options. Please describe</p> <p><input type="checkbox"/> Prototype is fully functional and yet to be piloted</p> <p><input type="checkbox"/> Prototype demonstrated successfully in a pilot environment</p> <p><input type="checkbox"/> Technology has been deployed multiple times in an operational environment</p> <p><input type="checkbox"/> Technology is ready for full-scale adoption</p> <hr/> <p>9. What additional development is necessary to enable routine deployment of the innovation? What resources—such as technical specifications, training materials, and user guides—are already available to assist with the deployment effort?</p> <hr/> <p>10. Has any other organization used this innovation? Yes or No: If so, please list organization names and contacts. Please identify the source of this information.</p> <table border="1"> <thead> <tr> <th>Organization</th> <th>Name</th> <th>Phone</th> <th>E-mail</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Organization	Name	Phone	E-mail																
Organization	Name	Phone	E-mail																			

**Potential Payoff**  
(30 points)

Payoff is defined as the combination of broad applicability and significant benefit or advantage over other current practice (baseline).

11. How does the innovation meet customer or stakeholder needs in your State DOT or other organizations that have used it?

12. What type and scale of benefits have your DOT realized from using this innovation? Include cost savings, safety improvements, transportation efficiency or effectiveness, environmental benefits, or any other advantages over other existing baseline practice. Please identify the following benefit types:

Check boxes that apply	Benefit Types	Select a rating from the drop down menu
<input type="checkbox"/>	Cost Savings	
<input type="checkbox"/>	Shortened Project/Service Delivery Schedule	
<input type="checkbox"/>	Improved Customer Service	
<input type="checkbox"/>	Improved Quality	
<input type="checkbox"/>	Environmental Benefits	
<input type="checkbox"/>	Organizational Efficiency	
<input type="checkbox"/>	Improved Safety	
<input type="checkbox"/>	Improved Operational Performance	
<input type="checkbox"/>	Improved Asset Performance	
<input type="checkbox"/>	Others (please describe)	

Provide an additional description, if necessary:

13. Please describe the potential extent of implementation in terms of geography, organization type (including other branches of government and private industry) and size, or other relevant factors. How broadly might the technology be deployed?

**Market Readiness**  
(20 points)

The All selection process will favor innovations that can be adopted with a reasonable amount of effort and cost, commensurate with the payoff potential.

14. What specific actions would another organization need to take along each of the following dimensions to adopt this innovation?

Check boxes that apply	Dimensions	Please describe:
<input type="checkbox"/>	Gaining executive leadership support	
<input type="checkbox"/>	Measuring performance (e.g. benefits documentation)	
<input type="checkbox"/>	Improving technology understanding	
<input type="checkbox"/>	Overcoming financial constraints	
<input type="checkbox"/>	Addressing legal issues (if applicable) (e.g., liability and intellectual property)	
<input type="checkbox"/>	Acquiring in-house expertise	
<input type="checkbox"/>	Resolving conflicts with existing regulations and standards	
<input type="checkbox"/>	Other challenges	

15. What is the estimated cost, effort, and length of time required to deploy the innovation in another organization?

**Please describe:**

Cost

Level of Effort

Time

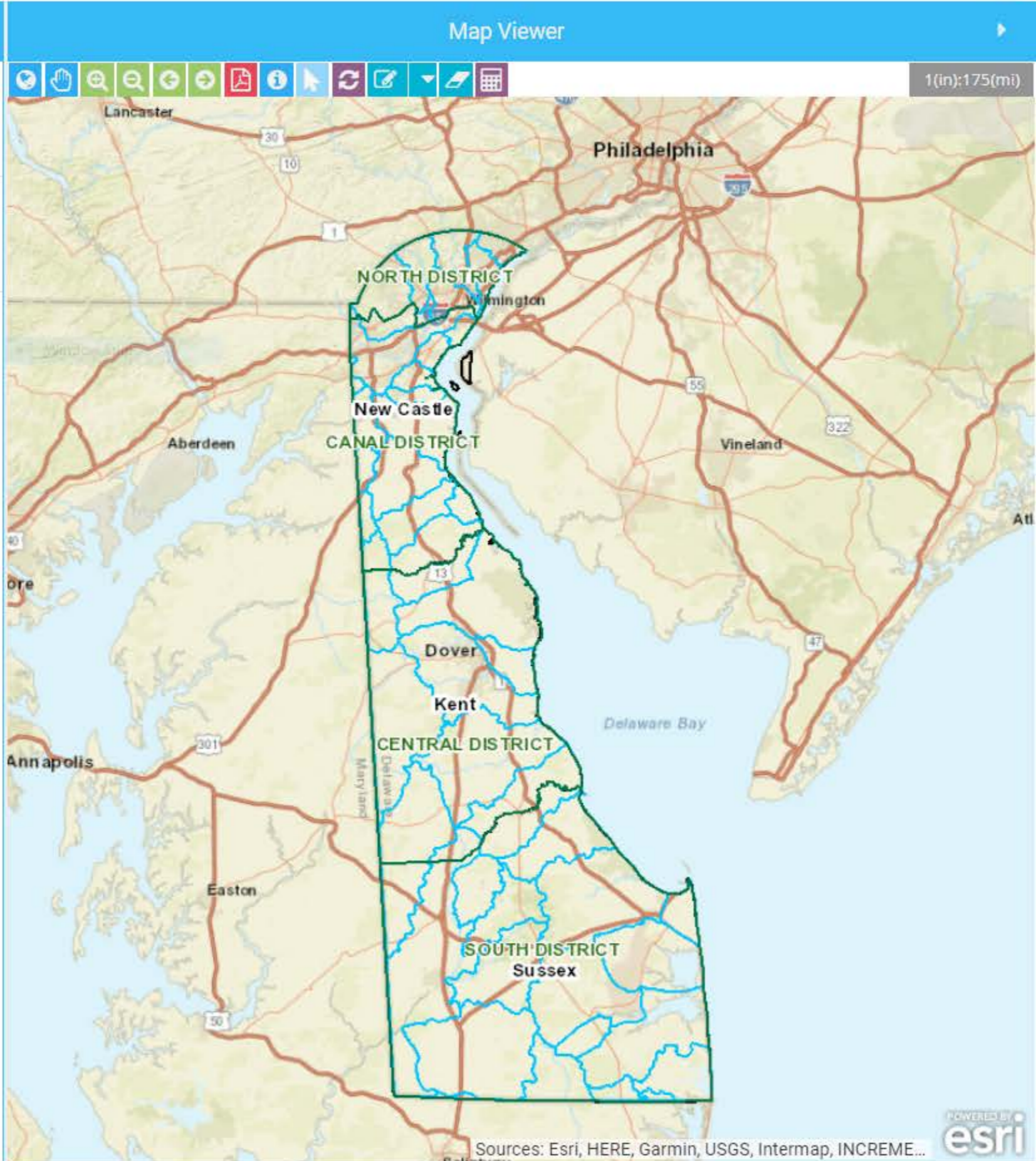
16. To what extent should the implementation of this innovation require the involvement of third parties, including vendors, contractors, and consultants? If so, please describe. List the type of expertise required for implementation.

Submit Completed form to: <http://aii.transportation.org/Pages/Solicitation-Submit-Nomination.aspx>

- Welcome Page
- NPDES Web Viewer
- ES2M Web Viewer
- User Admin
- Authentication

**ES2M Inspection and Project Management**  
The ES2M Inspection and Project Management tool provides CCR Inspectors a tool to enter and submit ES2M Inspection Rating Forms, including rating values, photos, and signatures. Additionally, managers use the tool to set up project assignments and review submitted inspection forms.

**NPDES Web Viewer v3.0**  
The NPDES Web Viewer v3.0 is the primary tool to view and query DeIDOT's stormwater inventory, including structures, conveyances, stormwater management facilities (BMPs) and related data. The tool provides advanced query and reporting capabilities. Data is sourced from complex field inventory processes and is noneditable for most users.



- Welcome Page
- NPDES Web Viewer
- Selections
- Reports
- ES2M Web Viewer
- User Admin
- Authentication

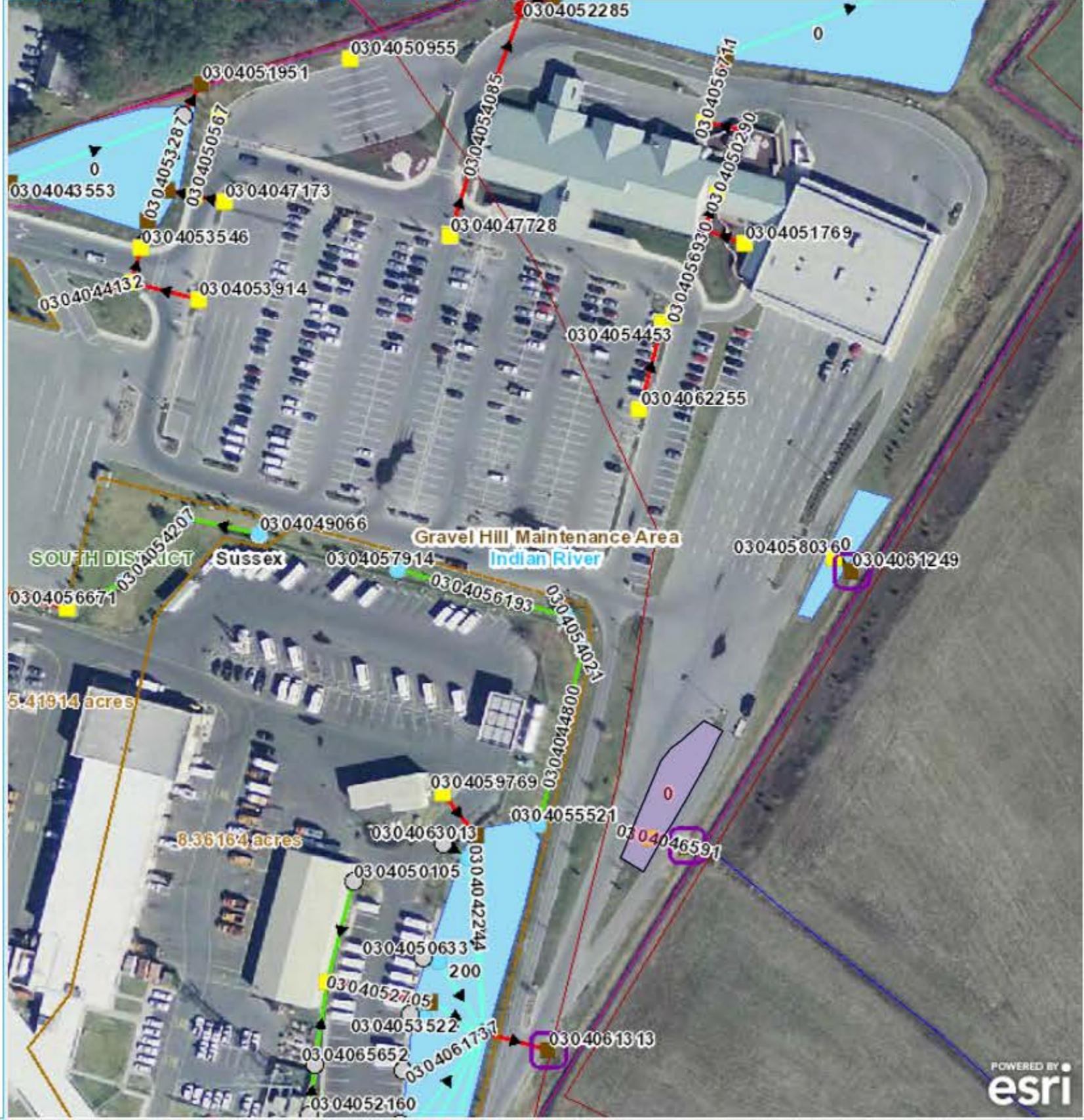
Operations

- Table of Contents
- NPDES
  - Base Map
  - Lidar
  - Ortho
  - ESRI Street Map

Identify Results

Address Locator

Map Viewer



- Welcome Page
- NPDES Web Viewer
- ES2M Web Viewer
- Admin
  - Forms
  - Specs
  - Config
  - Project

- Inspections

- User Admin
- Authentication

Operations

Project List

Contract #	Task #	NOI Num	Project Name	Status
T200811301	3	4978	US 301 Construction	Inactive
T200912002	001-1838F	5507	Jamison Corner Road Relocated At Boyds Corner Road	Active
T200912002	T001-1838F	5507	Jamison Road Relocation at Boyds Corner Road	Active

- Project Details
- Specifications
- Project Team
- Attachments
- SWM Facilities

Project Name: Jamison Road Relocation at Boyds Corner Road

Contract Number: T200912002

Task Number: T001-1838F

MS4 Permit #:

NOI Number: 5507

Federal Aid #: N/A

Project Type: Road

Project Expiration Date: 03/15/2020

Project Approval Agency: Delaware Department of Transportation

Total Site Area: 29.8

Est. Disturbed Area: 29.8

Plan Type: Detailed

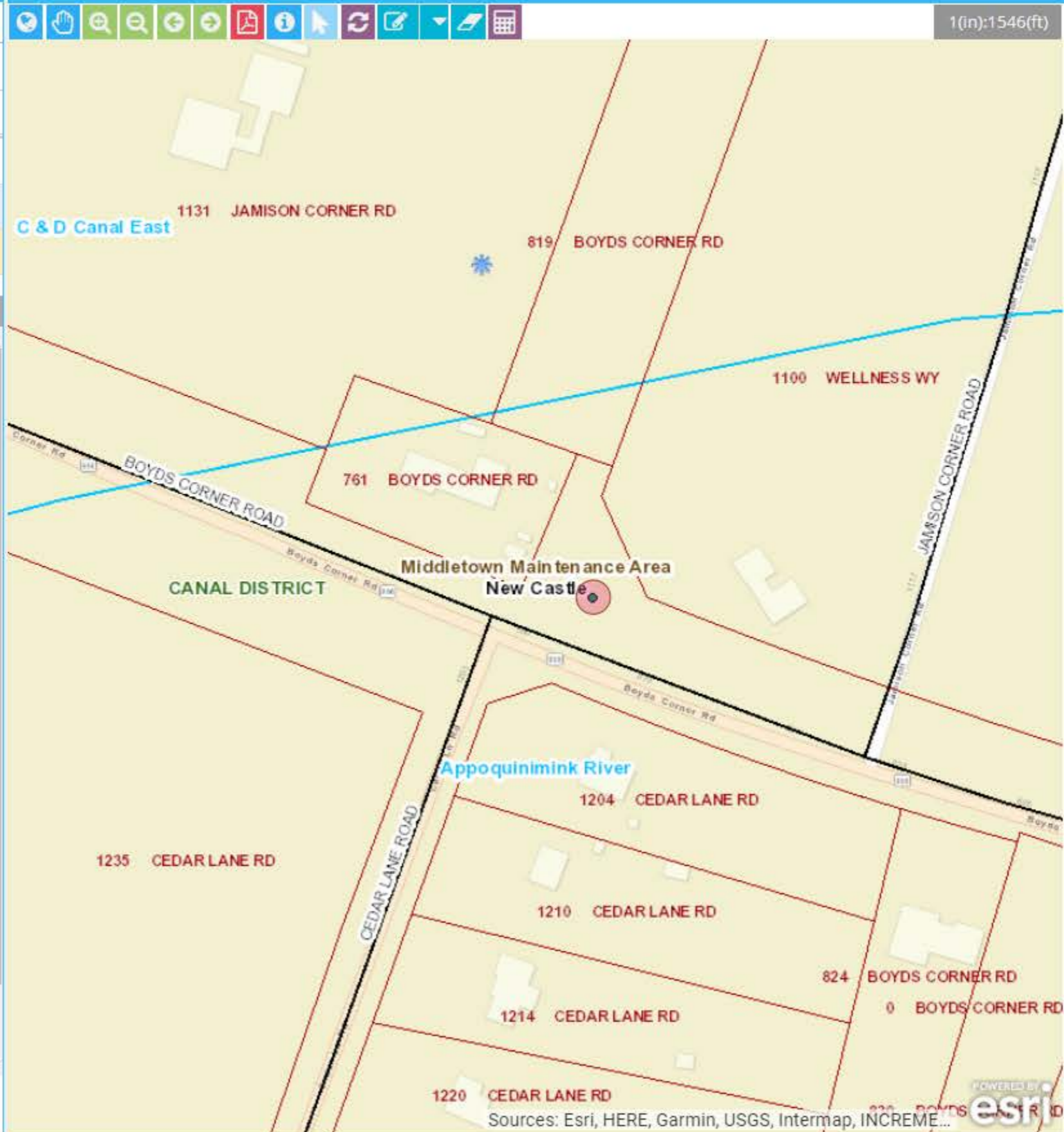
Project Status: Active

Comments:

Address

- Edit
- New
- Delete
- Cancel
- Save

Map Viewer



1(in):1546(ft)



- ▼ Welcome
- ▶ NPDES
- ▼ Design BMP
  - ▶ Master BMP List
  - ▶ **Contracts**
  - ▶ Banking Agreement
- ▶ SWM Construction
- ▶ Spill Response

Project List				
Submittal	Contract Num	NOI Num	Project Name	DNREC Permit Num
Filter... ✕	Filter... ✕	Filter... ✕	Filter... ✕	Filter... ✕
Yes	1	026458	SR1 - I-95 Interchange	05541
No	2	526816	US40 and SR 7	586991
No	3	638438	US 301	01-5423
No	4	635416	Old Baltimore Pike	01-9987

- Project Details
- Specifications
- Project Team
- Project Attachments
- SWM Facilities
- Uploads

- Back
- Attachments
- SWM Facilities**
- Drainage Areas

Facility Number	Project Number	Road Name	Facility Type	County	Facility Location
992	1	SR1	Sand Filter	New Castle	SR1 0.2 miles north of Stonemill Rd. bridge
993	1	SR1	Grass Swale	New Castle	SR1 0.25 miles north of Stonemill Rd. bridge
994	1	SR1	Grass Swale	New Castle	SR1 mile marker 22.1

Map