



# **BRIDGE 1-484**

# **Harvey Straughn Road**

Contract No. T201707104

Pre-Bid Meeting

July 23, 2020



# Agenda

- Project Overview
- Explanation of SWPPP Development and Inspections
  - Why are we doing this?
  - SWPPP Development
  - What will DeIDOT provide?
  - SWPPP Approval, Construction, and Inspection

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# Project Overview



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# Project Overview

- Existing: Two 71" x 47" corrugated metal pipe arches
- Proposed: 12' x 5' precast concrete box culvert
- Wetlands present on all corners





# Why are we doing this?

- **Improve timely compliance with the Delaware Sediment and Stormwater Regulations**
- Stormwater Pollution Prevention Plan (SWPPP)
  - Special Provisions (901500, 901501, 901502, 901503)
- Contractor prepared E&S Plans
  - Know how they intend to build and phase a job
  - Contractor working according to the approved plan
- Contractor selects Third Party CCR inspector for required weekly E&S inspections
  - Must have valid DNREC CCR certification
- Utilize mobile application to standardize inspections and produce reports (SWPPPTrack)



# SWPPP Development

- Plans advertised without E&S devices shown on Construction Sequence and Erosion Control plan sheet (sheet 14)
- Contractor prepares bid for development of the SWPPP
- Contract awarded and executed
- Contractor identifies responsible parties and has CCR complete certification form
- Contractor designer develops SWPPP for approval by DeIDOT
  - Plan must be developed by or under supervision of a licensed Delaware Professional Engineer
  - Utilize E&S design guide and Standard Construction Details
  - SWPPP Submission Checklist (Appendix B)
  - Electronic plan produced using CAD, submit CAD and pdf files



# What will DeIDOT provide?

- DeIDOT provides electronic files for SWPPP design to contractor
- Contractor will sign electronic file release document prior to receiving files
  - Files will include the following .dgn files:
    - Field survey
    - Construction plan sheet proposed features
    - Construction Sequence
    - Right-of-Way
    - Alignment



# SWPPP Approval

- Contractor designer uploads SWPPP files to SWPPPTrack for review within 30 days of executed contract
- DeIDOT reviews, comments, and approves SWPPP
- Contractor designer responsible for keeping SWPPP current including redline plan changes or revisions and must submit for approval through SWPPPTrack

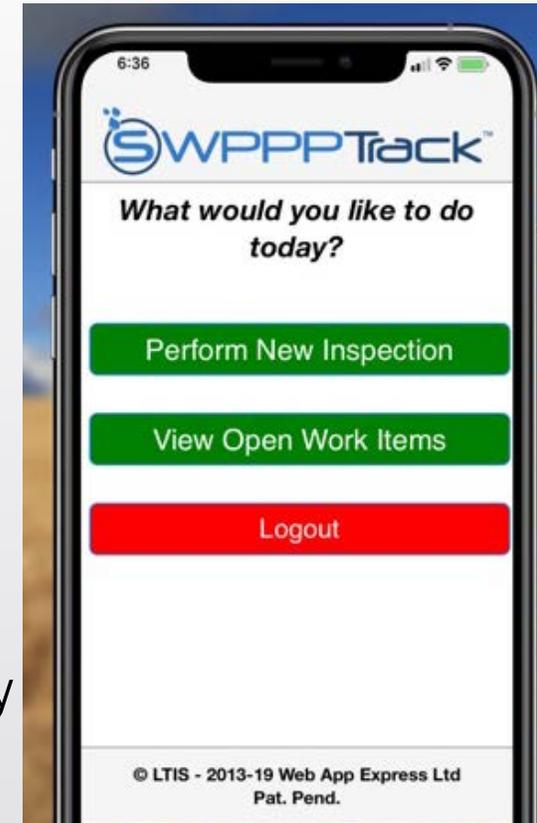


# SWPPP Construction

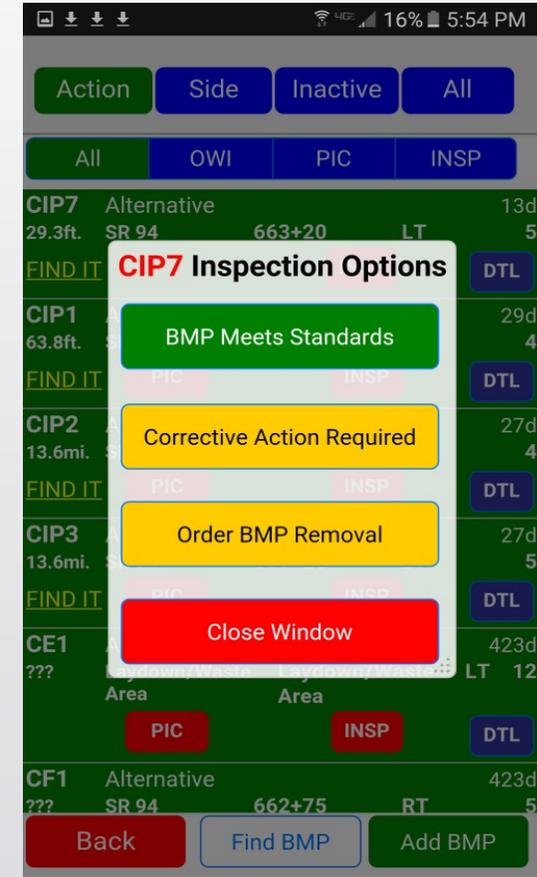
- E&S Preconstruction meeting held after SWPPP approved
- Contractor installs E&S controls and requests initial inspection from third party CCR
- Contractor constructs project within constraints of the approved SWPPP

# SWPPP Inspection

- Third Party CCR conducts initial inspection in SWPPPTrack
- Contractor begins earth disturbing activities
- Contractor hired Third Party CCR performs weekly and rain event inspections using SWPPPTrack
- DeIDOT E&S Section monitor CCR inspections and perform Quality Assurance inspections using SWPPPTrack



# SWPPPTrack Inspection App



# SWPPPTrack Inspection Report

## Stormwater Pollution Prevention Construction Inspection

Project Name: COS-16/541-8.99/19.10

Inspection Completed: 06-21-18 3:17pm	Report Generated: 06-21-18 4:07pm
CGP Facility ID:	Construction Project Number:93263
Contract Number: 180001	Contractor Co-Operator: ODOT District 5 Beaver Excavating Company
Inspector: Samantha Bour	CESSWI/CPESC Number: CPESC #8159
Inspection Type: Weekly / Post Storm	Inspection Weather: Temp: 73 degrees, Cloudy

<b>Current Construction Description:</b> Sanitary work at COTC piling at WB COS 541-1918 CR at River bridge setting up																																	
<b>Precipitation data noted by inspector:</b> None																																	
Pct NOI Area Currently Disturbed: 50%	<b>Estimated Precipitation History</b> (Based on available daily NOAA/NWS data)																																
Beginning Date of clearing & grubbing: Not recorded	<table border="1"> <thead> <tr> <th>Period</th> <th>Ending</th> <th>On</th> <th>Amount</th> </tr> </thead> <tbody> <tr><td>24 Hrs. 8:00A ET</td><td>06/20/18</td><td>0.00 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/19/18</td><td>0.00 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/18/18</td><td>0.08 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/17/18</td><td>0.02 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/16/18</td><td>0.00 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/15/18</td><td>0.00 in.</td><td></td></tr> <tr><td>24 Hrs. 8:00A ET</td><td>06/14/18</td><td>0.00 in.</td><td></td></tr> </tbody> </table>	Period	Ending	On	Amount	24 Hrs. 8:00A ET	06/20/18	0.00 in.		24 Hrs. 8:00A ET	06/19/18	0.00 in.		24 Hrs. 8:00A ET	06/18/18	0.08 in.		24 Hrs. 8:00A ET	06/17/18	0.02 in.		24 Hrs. 8:00A ET	06/16/18	0.00 in.		24 Hrs. 8:00A ET	06/15/18	0.00 in.		24 Hrs. 8:00A ET	06/14/18	0.00 in.	
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Beginning Date of earthwork: Not recorded																																	
Beginning Date of BMP Installation: Not recorded																																	

### Project Open Work Item Summary

Date Opened	Work Item Age	BMP ID	SWPPP Pg Nbr	Roadway Name	Location Station	Side	Install Date	Inspector
05/16/18	36 days	RDC17	13,16	Ramp A	515+00	RT	05/08/18	Bour, Samantha Rock Ditch Check Beaver Excavating Company

**Issue: Will install after benching operation ; Will install when bench operation is complete; When benching is done; Will install after benching; Will install when the emb is complete**



Date Opened	Work Item Age	BMP ID	SWPPP Pg Nbr	Roadway Name	Location Station	Side	Install Date	Inspector
10/06/17	5 days	PFFF43			2590	LT	06/22/17	Ford, Jacob Filter Fabric Independent Inspector

**Issue: Key in sections throughout. Tighten sections throughout. wrap ends of runs together. Repair CF. Remove old CF that is down.; Slope drains would help prevent slope erosion, sf from being overwhelmed. Dewatering bag on discharge of slope drains would also help SF from being overwhelmed**





### Project Closed Work Item Summary

Date Opened	Date Closed	BMP ID	SWPPP Pg Nbr	BMP Condition	Roadway Name	Location Station	Side	Installed Date	Issue Recorded / Closing Notes
06/18/18	06/26/18	PFFF7	5,7		WATER ST.	11+00	RT	06/21/2018	BMP not installed





# Pay Items

- 901500 – Stormwater Pollution Prevention Plan (LS)
- 901501 – Stormwater Pollution Prevention Plan Inspections (Each)
- 901502 - Stormwater Pollution Prevention Inspection Software (LS)\*
- 901503 - Erosion and Sediment Control Practices (LS)\*

\*DENOTES A FIXED PRICE PER CONTRACT



Questions?