

ASHE CONFERENCE

Project Delivery Updates and Working with the Service Units

April 25, 2023

*Michelle L. Adolini, P.E.
Design Services Engineer
Engineering District 8-0*



Design Service Units

- 1. Survey**
- 2. Environmental**
- 3. Grade Crossing**
- 4. Utility Relocation**
- 5. Contract Management**
- 6. Municipal Services**



Survey

Survey Chief: Randy Eby

- ROW Desk: ra-pdd8rowrequest@pa.gov
- **U.S. Survey Foot Retired after 2022**
 - International Foot
 - State Plane Coordinate System Update expected 2025
- **Existing Ground Confidence Level for Digital Delivery**
 - Higher accuracy data may need to be collected with **Lidar** technology
 - Scalable data fusion approach



Environmental

Environmental Manager: Sharon Okin

- **Contaminated Fill Disposal**

- Provide CY quantity vs PDA
- Bid item for soil testing
 - Time in schedule
 - Space for stockpiling

- **Clean Fill Disposal**

- Coordination of FP-001

OLD:

- MANAGEMENT OF FILL (PDA)

REPLACED BY:

- Item 9000-0006 (Health and Safety Plan)
- Item 9000-0009: SITE WORK PLAN
- Item 9000-0010: SOLIDS SAMPLING AND ANALYSIS
- Item 9000-0011: DISPOSAL OF REGULATED FILL
- Item 9000-0012: DISPOSAL OF RESIDUAL WASTE



Environmental, Continued

- **T/E Species**

- Northern Long Eared Bat reclassified as an Endangered Species
- Effective March 31, 2023
- Rerun PNDI searches



- **E&S**

- Coordinate with construction early on materials
- Consider items for water, herbicide, and mowing on the stormwater features for NPDES permits



Environmental, Continued

- **Cultural Resources (Ch 106)**
 - New Programmatic Agreement with ACHP
 - LOA / MOA needed for standard treatments on adverse effect finding
 - Programmatic Agreement needed for deferred archeology
- **Wetland/Stream Mitigation**
 - Wetlands
 - Lack of wetland mitigation bank credits
 - Onsite mitigation should be explored
 - Stream credits through engineering agreements



Environmental, Continued

<u>Chapter 105 Permit Type</u>	<u>Submit an H&H Report (prior to submission to the agencies)</u>	<u>Submit a Permit for District Review (prior to submission to the agencies)</u>	<u>Agency Submission Review Time Needed (prior to PS&E submission)</u>
9999	3 months	1 month	3 months
GP-3	3 months	2 months	6 months
GP-4	3 months	2 months	6 months
GP-7	3 months	2 months	6 months
GP-8	3 months	2 months	6 months
GP-11	3 months	2 months	6 months
GP-8 & GP-11	3 months	2 months	6 months
Individual	6 months	3 months	1 year
Detailed FEMA	1 additional month	-	-
1D + 2D Model	1 additional month	-	-



Environmental, Continued

<u>Chapter 102 Permits</u>	<u>Narrative Required with KEeS Submittal</u>	<u>Submit a Permit for District Review (prior to submission to the agencies)</u>	<u>Agency Submission Review Time Needed (prior to PS&E submission)</u>
General	E&S and PCSM	2 months	1 year
Individual	E&S and PCSM	2 months	1 year
ESC (For projects with ≥ 25 acres of RMA work)	E&S and PCSM	2 months	1 year



Grade Crossing

Grade Crossing Engineer: Ahmed Lasloudji

- **CSX** – OCC working to resolve BABA language for agreements
- **NS** - RR Flagging being moved into construction agreement
 - SSP and Pay item for RR Protective Services

00 - c99011 ITEM 9901-0350 - RAILROAD PROTECTIVE SERVICES

9901-0350 Dollar
RR PROTECTIVE SERVICES



Utility Relocation

Utility Relocation Administrator: Karl Wink

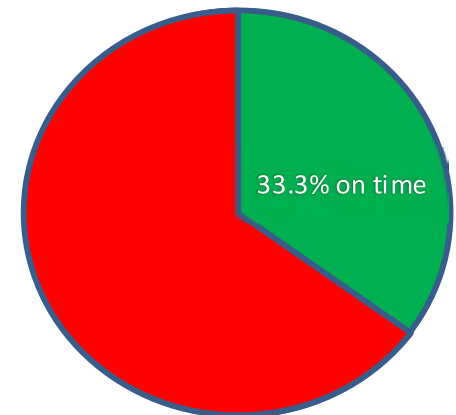
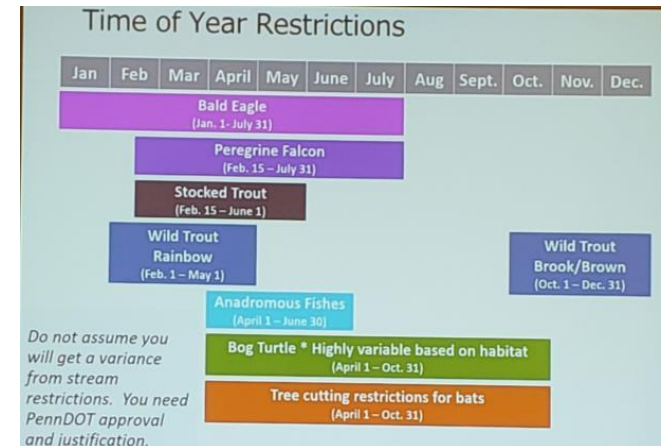
- **PA One Call Design Tickets**
 - Coordinate PA GIS web application starting 4/21/23
 - 811 calls and Web Ticket Entry no longer supported
- **SUE**
- **URMS**
 - Upload scoping docs and PA One Call ticket & responses
 - Feedback



Contract Management

Contract Management Supervisor: Jeff Costanzo

- **Pre-Bid Schedules**
 - Include time of year and permit restrictions
 - Assure late season activities are feasible
 - Consider reduced # of work days through the winter
- **Timely PS&E Submissions (10 weeks from let date)**



Municipal Services

Municipal Services Supervisor: *Vacant*

- Consult MS to make sure we meet requirements for:
 - Turnbacks
 - Abandonments
 - Vacating
- **Pub 310 & Pub 9**



ROW

District Right-of-Way Administrator: Dustin Palmer

- **TCE considerations for Design Services**
 - Easements for ATON signs
 - Adequate TCE for crane access and operation
 - Adequate TCE for staging soil for determination

Voltage (nominal, kV, alternating current)	Minimum clearance distance (feet)
up to 50	10
over 50 to 200	15
over 200 to 350	20
over 350 to 500	25
over 500 to 750	35
over 750 to 1,000	45
over 1,000	(as established by the utility owner/operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution)

Note: The value that follows "to" is up to and includes that value. For example, over 50 to 200 means up to and including 200kV



Design Services

