

District 8 ASHE Conference

2022 Construction Outlook

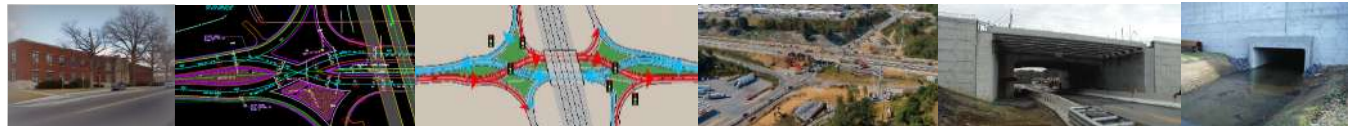
Kevin Keefe, PE
ADE Construction

Michael Reeder, PE
Acting Construction Services Engineer



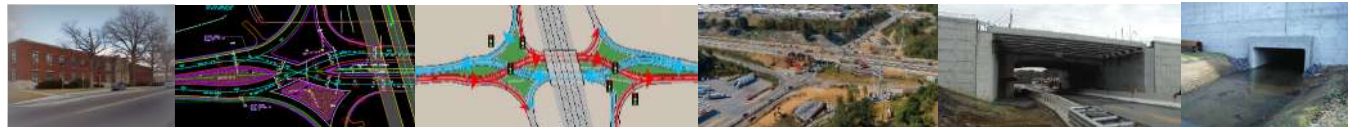
2022 Construction Outlook

- 2021 Awards
- District 8 Staffing Changes
- Design Issues
- 2022 Construction Consultant Advertisements



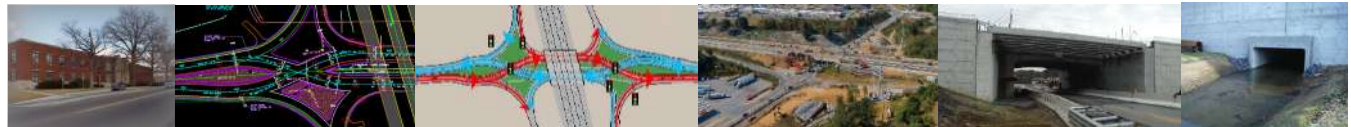
2021 Golden Hammer Awards

- Golden Boot in D4/D5
- ACE/ACM Nominate a project
- QA Evaluates
- 2 Categories
 - < \$5 Million
 - > \$5 Million



2021 Golden Hammer Awards

- < \$5 Million Nominees
 - ECMS 87435, SR 3017-028 Adams County
Mummasburg Road Bridge
 - ECMS 101074, SR 3017-026 Lancaster County
Safe Harbor Road Bridge over Conestoga River
 - ECMS 96783, SR 0241-015 Lebanon County
Colebrook Road Improvement
 - ECMS 85655, SR 0034-035 Perry County
Shermansdale Round-about @ 34/850
 - ECMS 112809, SR 1037-ACC York County
Accomac Road Emergency



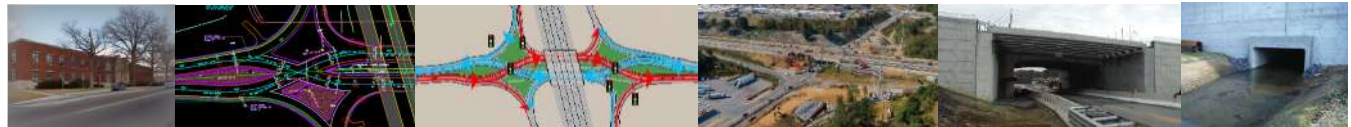


*2021 Golden
Hammer
< \$5M Winner*

- ECMS 101074, SR 3017-026 Lancaster County Safe Harbor Road Over Conestoga River
 - Construction Team
 - ACM – Barb Karsok-Anderson
 - Construction Engineer - Jonathan Dull
 - Design Team
 - PM – Kyle Kreiser
 - Lead Design Firm - Michael Baker International, Inc.
 - Dawood Engineering
 - Arora And Associates, P.C.

2021 Golden Hammer Awards

- > \$5 Million Nominees
 - ECMS 70024, SR 0083-043 Dauphin County
I-83 East Shore Section 1
 - ECMS 64829, SR 0722-010 Lancaster County
State Road Interchange Reconstruction
 - ECMS 89917, SR 0083-074 York County
I-83 Exit 4 – Shrewsbury DDI





*2021 Golden
Hammer
>\$5M Winner*

- ECMS 70024, SR 0083-043 Dauphin County I-83 East Shore Section 1
 - Construction Team
 - ACM – Mike Deiter
 - CM/CI – Michael Baker International, Inc.
TW Consultants
VE Engineering Inc.
Ackenheil Engineers, Inc.
 - Design Team
 - PM – John Bachman
 - Lead Design Firm – McCormick Taylor, Inc.
 - Gannett Flemming, Inc.
 - Skelly & Loy, Inc.



2021 APC TQI – Partnering Award

- ECMS 89917, SR 0083-074 York County
I-83 Exit 4 – Shrewsbury DDI
 - Construction Team
 - ACE – Vaughn Schlachter, PE & Mike Reeder, PE
 - Dept Mgrs – Justin Enck, PE & Tim Wherley
 - CM/CI – Erdman, Anthony, Associates, Inc.
Michael Baker International, Inc.
RIG Consulting, Inc., VE Engineering Inc.
Monaloh Basin Engineers
 - Design Team
 - PM – Mark Malhenzie
 - Lead Design Firm – Gannett Fleming, Inc.
 - Skelly & Loy, Inc.

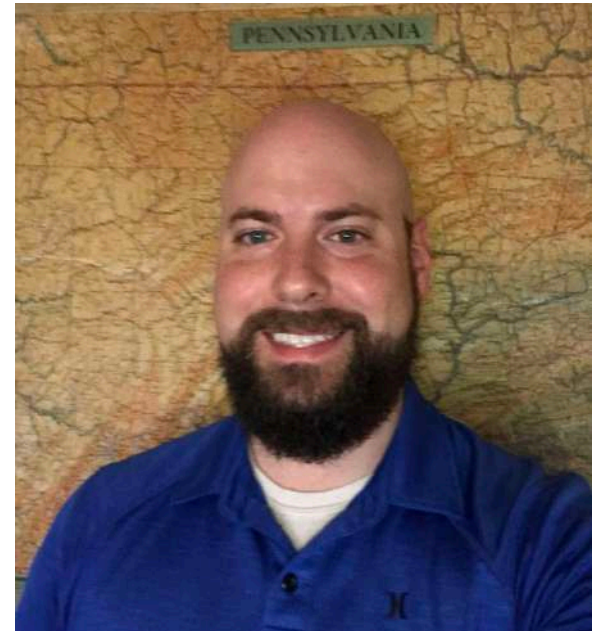
Construction Staff Update

- Construction Services Engineer
 - Vaughn Schlachter, PE –
Temporary Assignment to Major
Bridge P3 Initiative
 - Mike Reeder, PE – Acting
Construction Services Engineer



Construction Staff Update

- York County
 - John Eisenhart, PE –
Acting ACE: York County



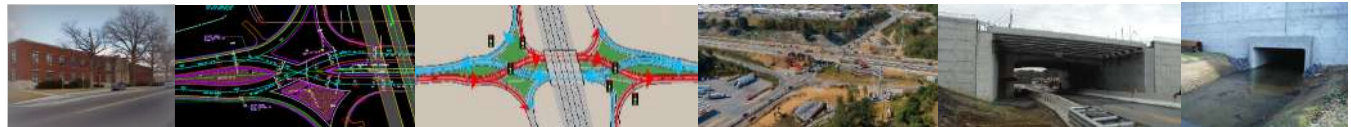
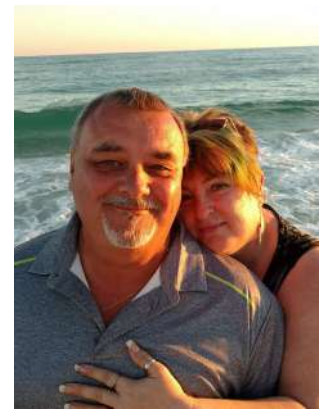
Construction Staff Update

- Structure Control Unit
 - Conner Park, PE – Acting Structure Control Engineer
 - Maitrey Patel, EIT – Acting Assistant Structure Control Engineer



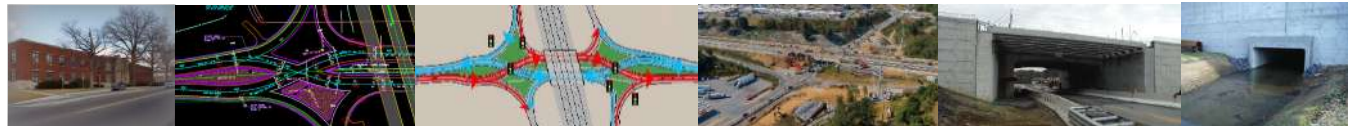
Construction Staff Update

- Adams/Franklin ACM
 - Alan High – Retired
 - Terry Kohler (ACM) – Adams and Franklin Co.

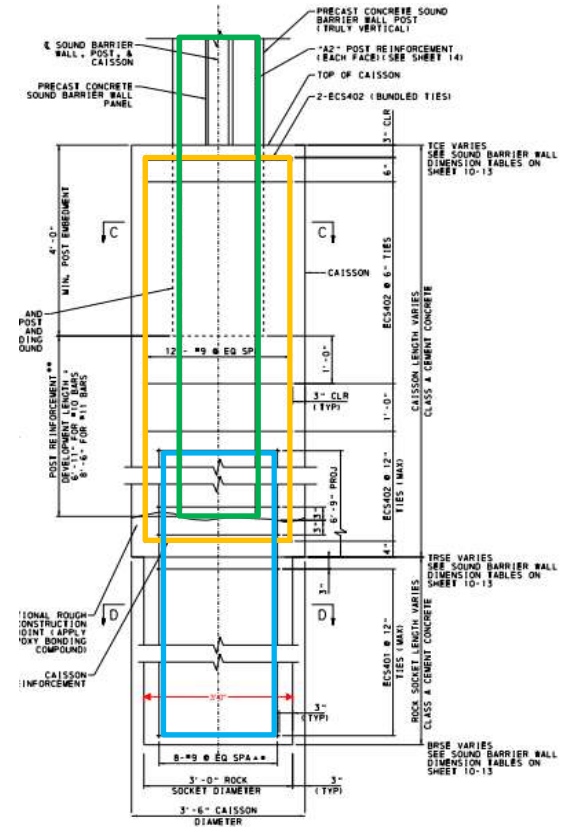
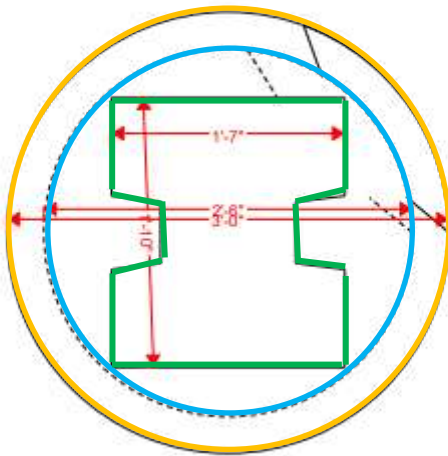


Design Issues

- Not balancing earthwork by stage
- Incorrect base repair and concrete patching quantities
- Referencing BD Standards in plans
- Phase line interference issues
 - Shoring dimensions not considered
- Sufficient utility durations/scheduling not being built into pre-bid schedule
- SRL not appropriate for application



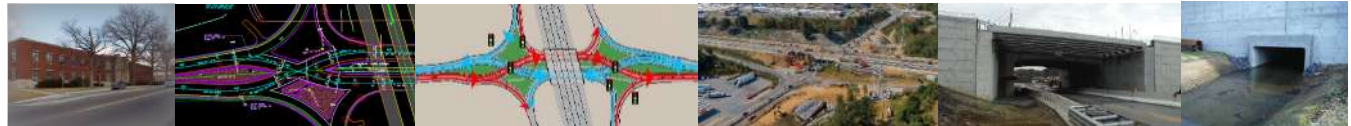
Design Issue – Shallow Rock Sockets



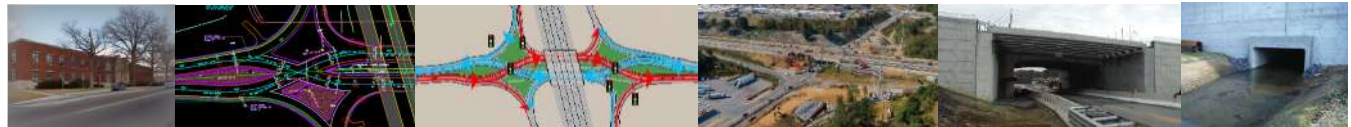
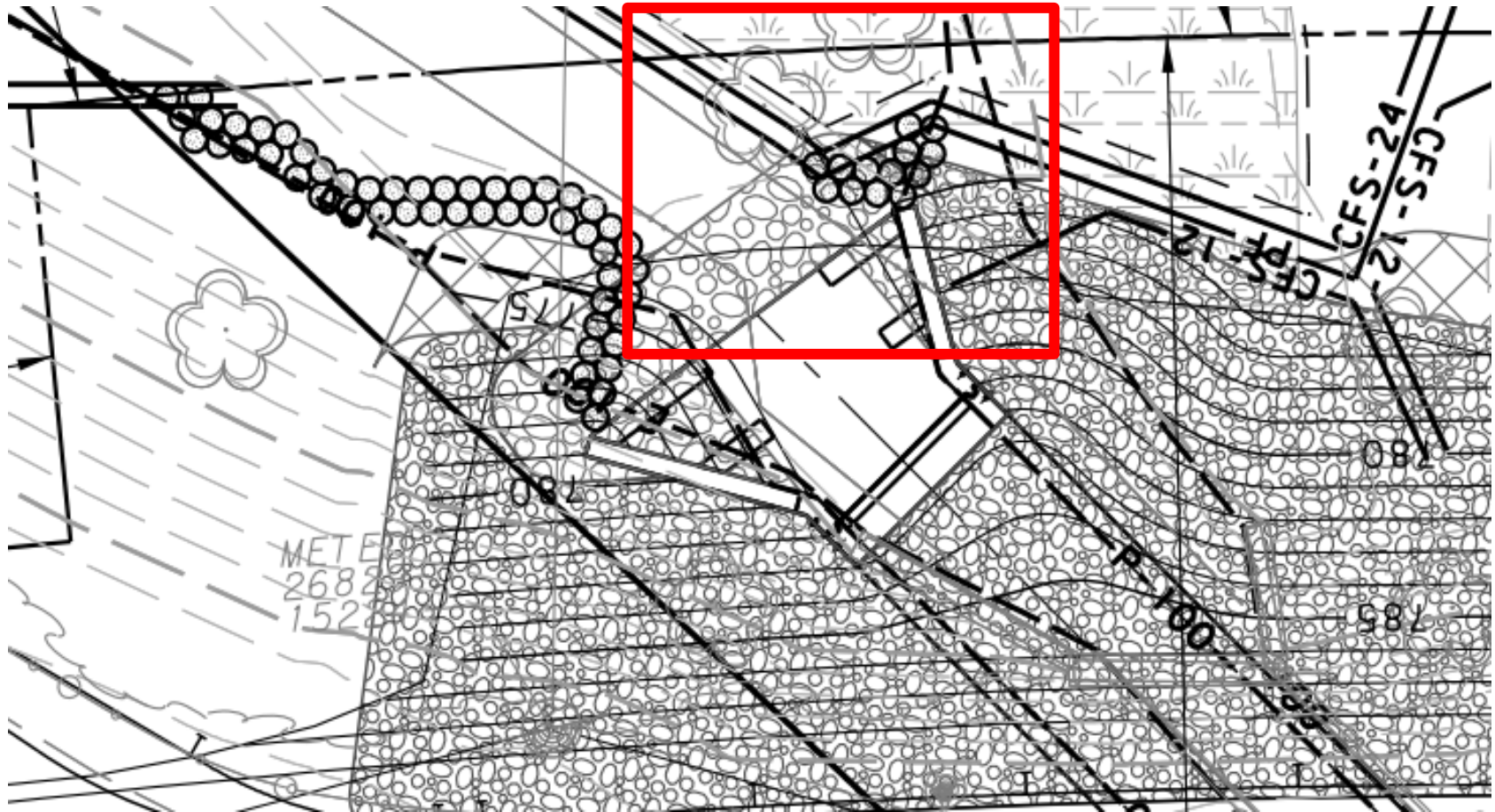
TYPICAL 3'-6" DIA. CAISSON SECTION WITH 3'-0" DIA. ROCK SOCKET



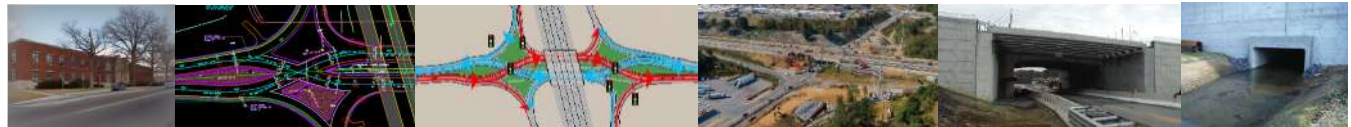
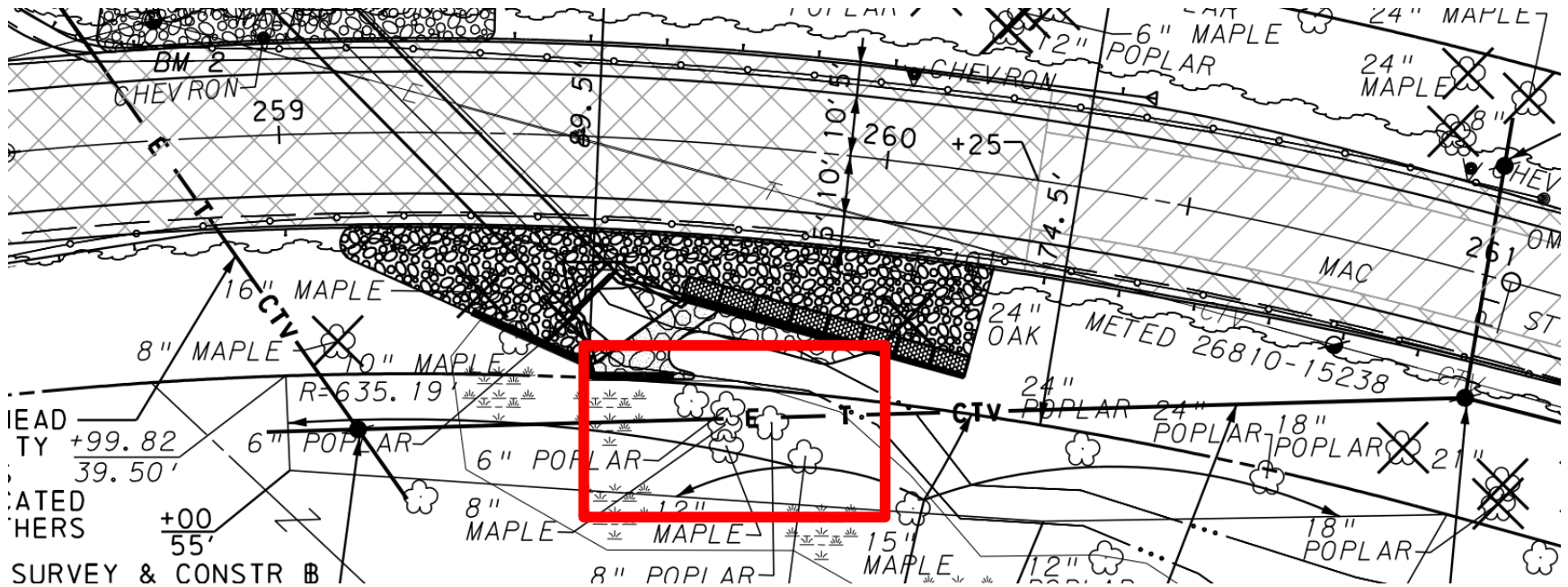
Shallow Rock Socket – 42" Caisson



Design Issue – Confined LOD

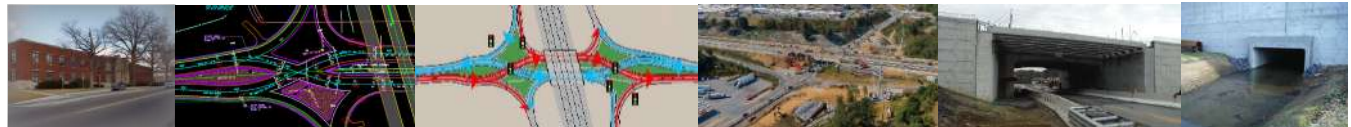


Design Issue – Clearing for Utilities



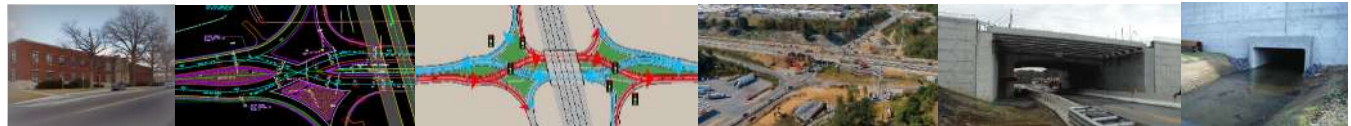
Additional Seeding Items – Section 804

- Multi Year and Projects with NPDES Permits
 - Include the following Section 804 items
 - Watering
 - Mowing
 - Herbicides



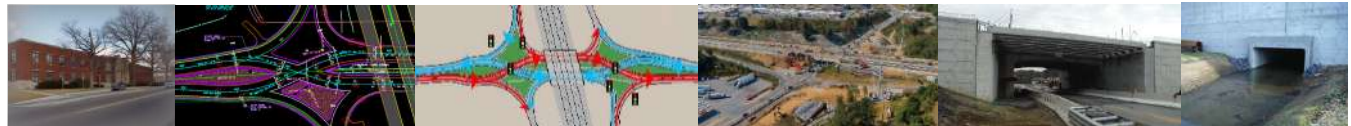
Current Consultant Agreements

- Already Let & Awarded in 2022
 - E05166-HOP Design Review (McMahon) \$2.5M
 - E04881-Local Lead A (TRC) \$4.5M
 - E05167-HOP Inspection (Gannett-Fleming) \$3.4M
 - E05239-FAM Oversight (ATCS) \$1.7M
 - E05220-SBE Set-Aside (Quinn) \$1.1M
 - E05289-Cumberland/Perry PS CM/CI (JMT) \$5.8
 - E05297-Dauphin/Lebanon O-E CI (JMT) \$1.5



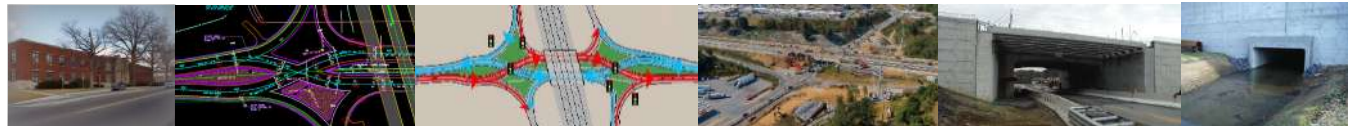
Current Consultant Agreements

- Already Let & Awarded in 2022
 - E05276-York PS CI (TW) \$1.4M
 - E05287-Adams/Franklin PS CI (*Hasn't been awarded*)
 - E05288-Lancaster PS CI (*Hasn't been awarded*)



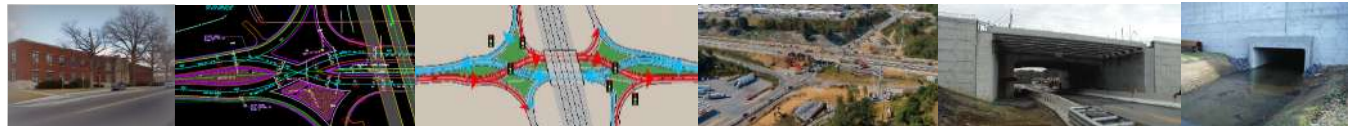
Anticipated Consultant Agreements

- E05386-York 83 Widening Phase 1 CI
 - Staffing Requirements: 1 TCM; 3 TCIS; 5 TCI; 1 CI
 - SR 1033-008 Section
 - Includes Eberts & Sherman Street
 - Sections 90 & 91
 - 83 Mainline Bridge over Codorus Creek and Railroad
 - Mill Creek realignment
 - Normal Process (Interviews)
 - SOI deadline 4/28/2022
 - Tentative Execution 9/24/2022



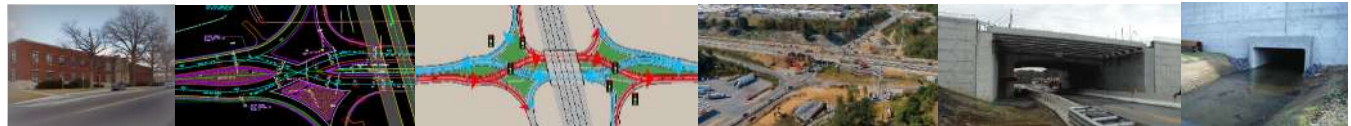
Anticipated Consultant Agreements

- E05385-York 83 Widening Phase 1 CM
 - SR 1033-008 Section
 - Includes Eberts & Sherman Street
 - Sections 90 & 91
 - 83 Mainline Bridge over Codorus Creek and Railroad
 - Mill Creek realignment
 - Normal Process (Interviews)
 - SOI deadline 5/05/2022
 - Tentative Execution 10/29/2022



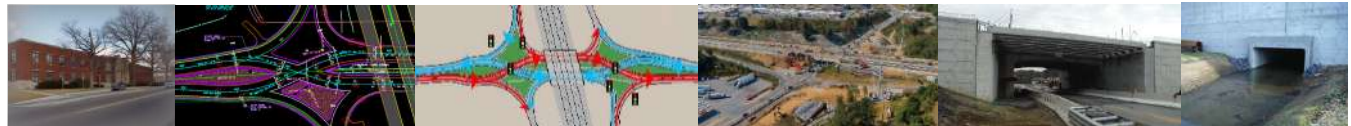
Anticipated Consultant Agreements

- E05314-Dauphin 83 Section 079 CM
 - Overhead Structures @ 19th & 29th Streets
Cameron Street (new interchange)
 - NB widening roadway and reconstruction from
17th Street to 29th
 - SB reconstruction around 29th
 - Normal Process (Interviews)
 - SOI deadline 5/05/2022
 - Tentative Execution 10/29/2022



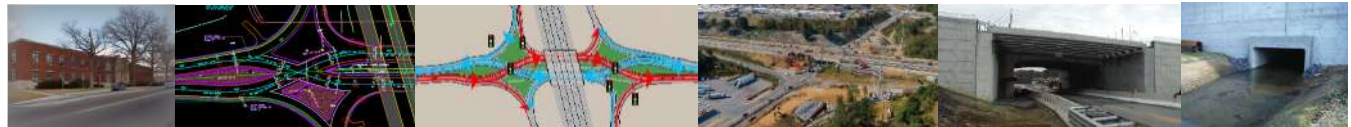
Anticipated Consultant Agreements

- E05315-Dauphin 83 Section 079 CI
 - Staffing Requirements – *NOT Finalized*
 - Overhead Structures @ 19th & 29th Streets
Cameron Street (new interchange)
 - NB widening roadway and reconstruction from
17th Street to 29th
 - SB reconstruction around 29th
 - Normal Process (Interviews)
 - SOI deadline 9/22/2022
 - Tentative Execution 2/25/2023



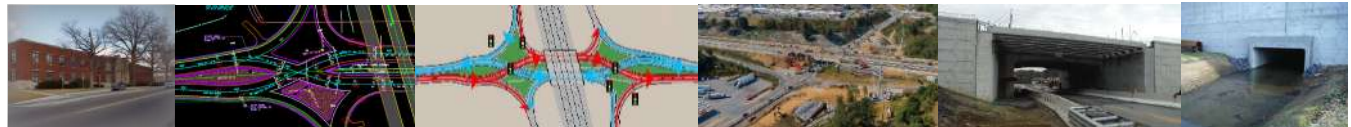
Anticipated Consultant Agreements

- E05314-Dauphin 83 Section 079 CM
- E05385-York 83 Widening Phase 1 CM
 - Both SOI due 5/05/2022
 - No 1 firm will get both projects



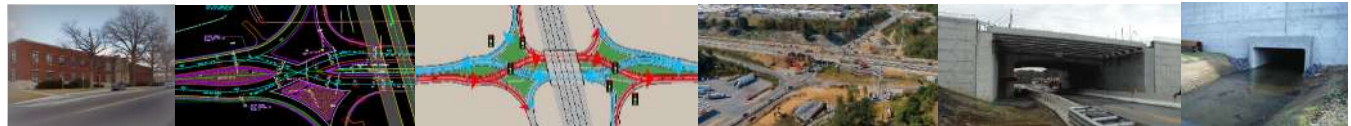
Anticipated Consultant Agreements

- E05388-York CI
 - 8 Parts
 - Combination of Overlays,
Bridge Replacements/Rehabs/Preservation
 - 6 TCIS's and 7 TCI's
 - SOI deadline 5/12/2022
 - Tentative Execution 8/22/2022



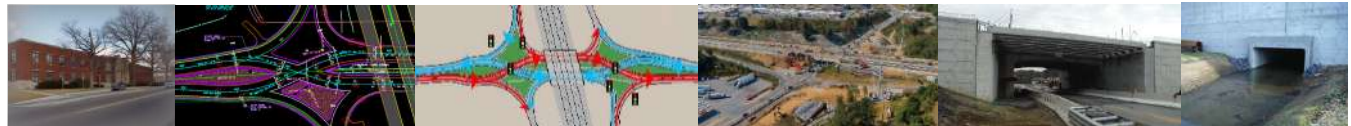
Anticipated Consultant Agreements

- E05415-Local Led B
 - 13 Projects
 - Combination of Ped Safety Improvements, Bridge Replacement, Resurfacing, Trails
 - 6 TCIS's and 8 TCI's
 - SOI deadline 5/12/2022
 - Tentative Execution 8/17/2022
 - One project scheduled to start in 2022, rest in 2023



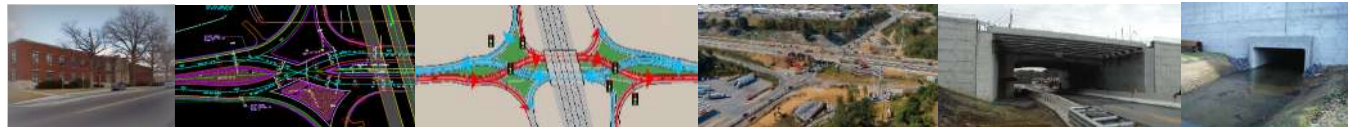
Anticipated Consultant Agreements

- E05364-SR 0222-059 CM/CI
 - Sounds Walls and widening of 222 @ 30
 - *Tentative* Staffing: 1TCM; 3 TCIS; 6 TCI
 - SOI deadline 6/02/2022
 - Tentative Execution 9/24/2022



Anticipated Consultant Agreements

- E05401-Lancaster OE CM
 - \$1.5M
 - SOI deadline 7/21/2022
 - Tentative Execution 11/16/2022



2022 Construction Outlook

Questions??

