

## Automated PDIF Cost Exposure Log

Collaborative Effort Between PennDOT Districts 2, 4 and Central Office

### Problem/Challenge Addressed

District 4's previous manual method cost sheet:

- Cumbersome for field personnel
- Human error prone (multiple systems)
- Each project would take approximately 1 hour to complete

### Method/Process/Product to Resolve Challenge

Provides fast, real-time and accurate information on all costs associated with a construction project

- Utilize ECMS and MPMS fields
  - Program Budget
  - Construction Costs
  - Oversight
- Includes all Department Payrolls, Agreements and CO costs
- Ability to Analyze by WBS element
- Ability to Perform Projections
- Determine PMC Actions
- Prevent Accrued Unbilled Costs (AUCs)

### Results/Key Takeaways

Current automated method:

- Automated report is easy for field personnel to use
- Eliminates human error and provides real-time, accurate, project information with future work order forecasting
- Reports take seconds to run

Project Summary	
ECMS Project Number	88170
MPMS Project Number	88170,98881
District/County	District-02, Centre
SR-Section	144 - A13
Project Description	South Fork Beech Creek

### Contact Information

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## Engineering District 4-0 Savings

- Previously took 1hr/project/month in Excel format
- Reduced to 4 mins/project with automation
- District 4 derives savings of 120hrs/month
  - @\$50/hr x 120/month = \$6,000/month savings to District 4  
(Note \$50 average includes benefits in hourly rate)
  - \$72,000/year savings to District 4
- Accuracy of the data is the most important element of this project