

PA Turnpike Update

Bradley J. Heigel, PE – Chief Engineer



ASHE
Harrisburg



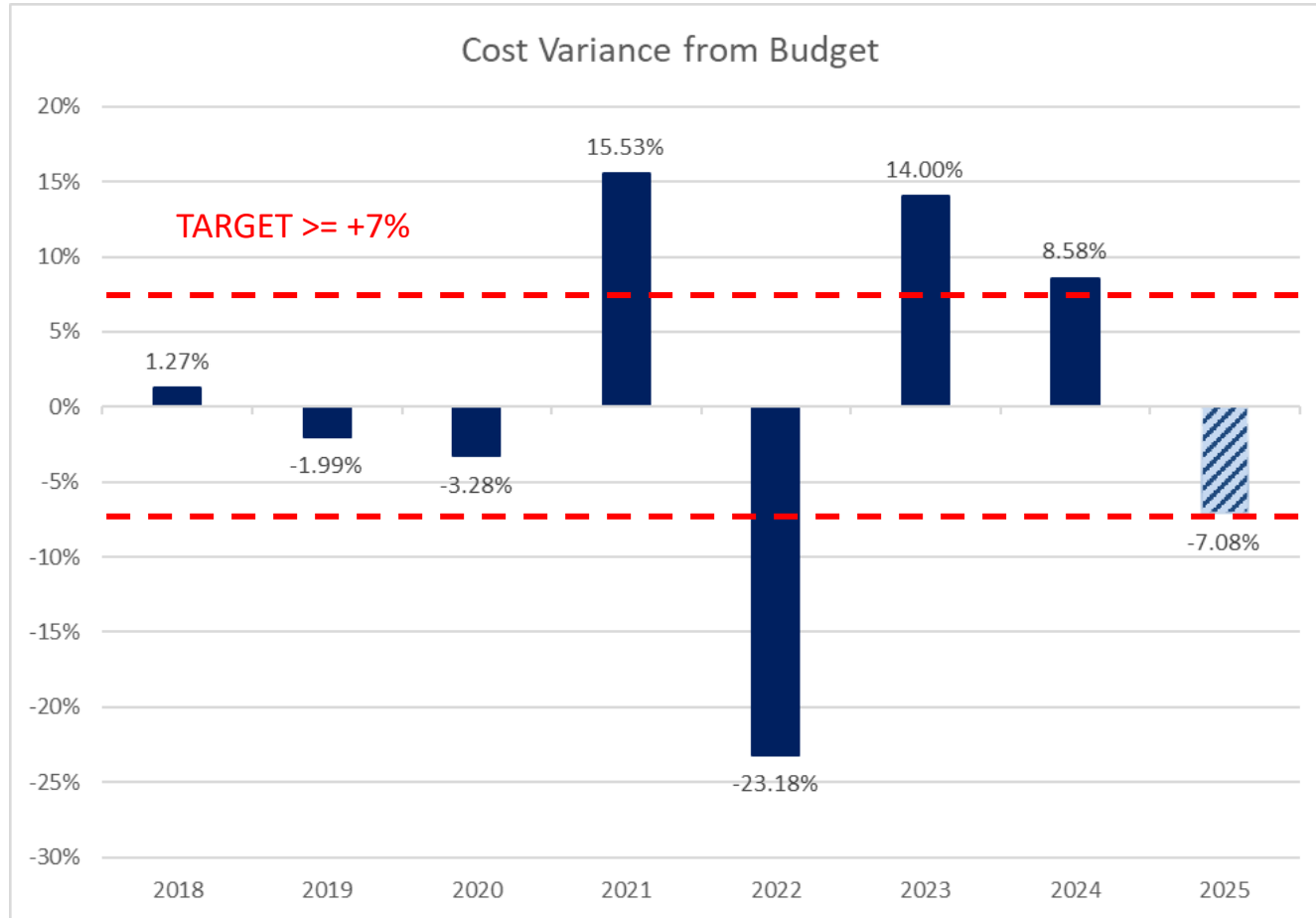
April 29, 2025

THANK YOU!!

"Walls Turned
Sideways are
Bridges."

Capital Plan FY26





Bid Value	\$209.5M
Estimate	\$213.7M
Difference (\$)	+\$4.2M (Est. to Bid)
Difference (%)	+1.96% (Est. to Bid)

Does not Include Open-End Roadway and
Bridge Repairs or Open-End Pavement Markings

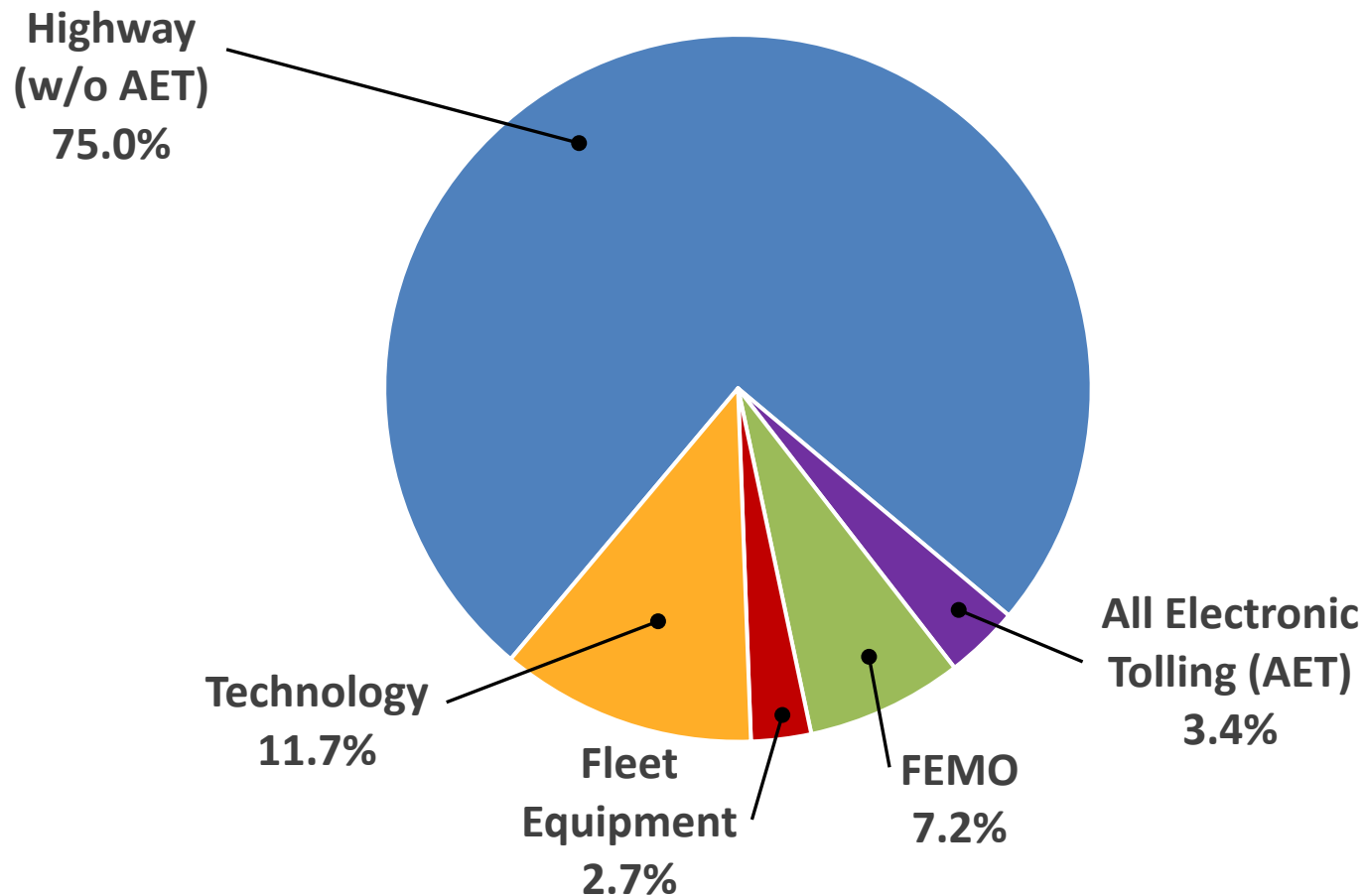
Low Bidder	\$121.6M
Second Bidder	\$135.0M
Difference (\$)	\$13.4M
Difference (%)	11.0%

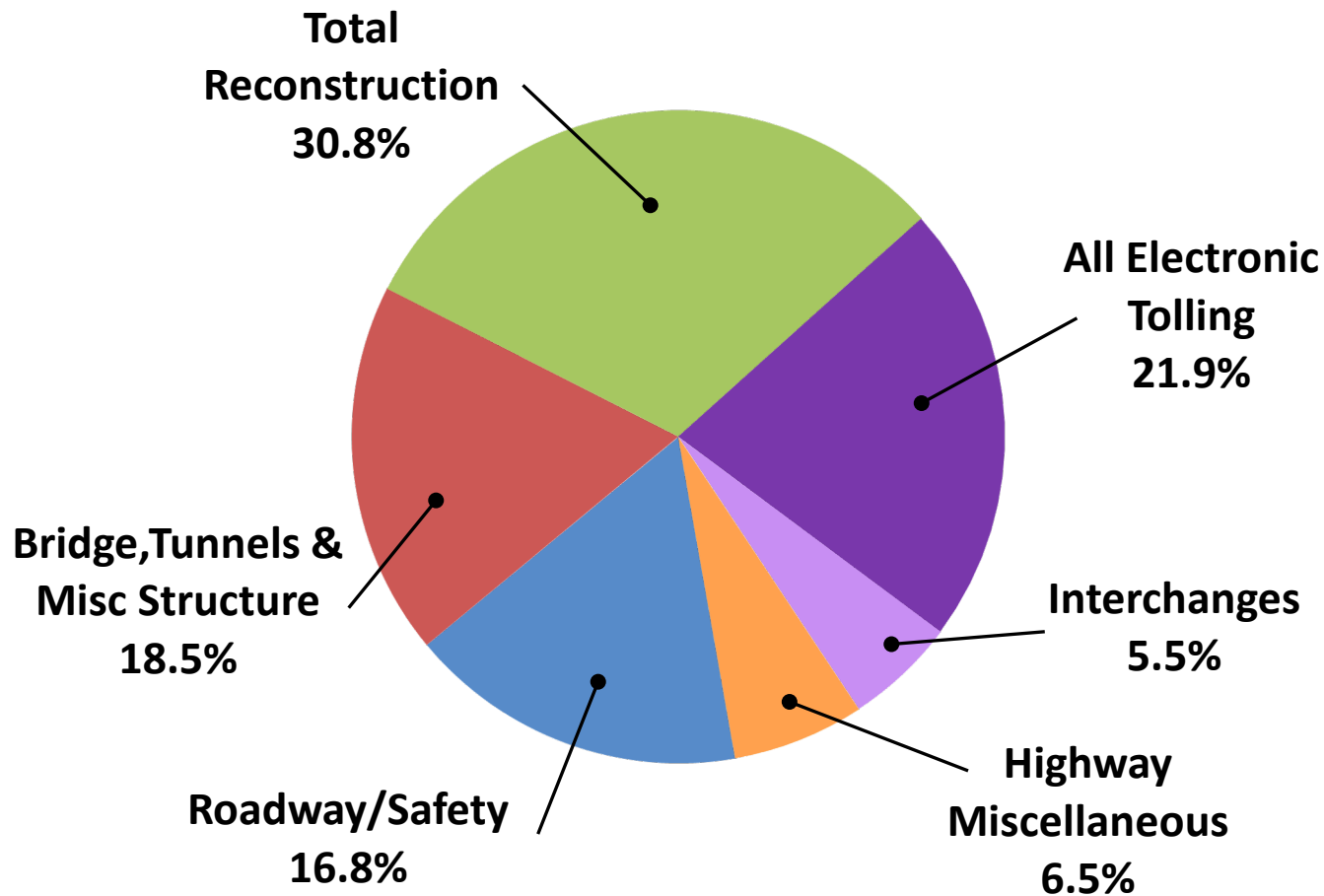
- Does not Include Open-End Roadway and Bridge Repairs or Open-End Pavement Markings
- Does not include bids with a single bidder

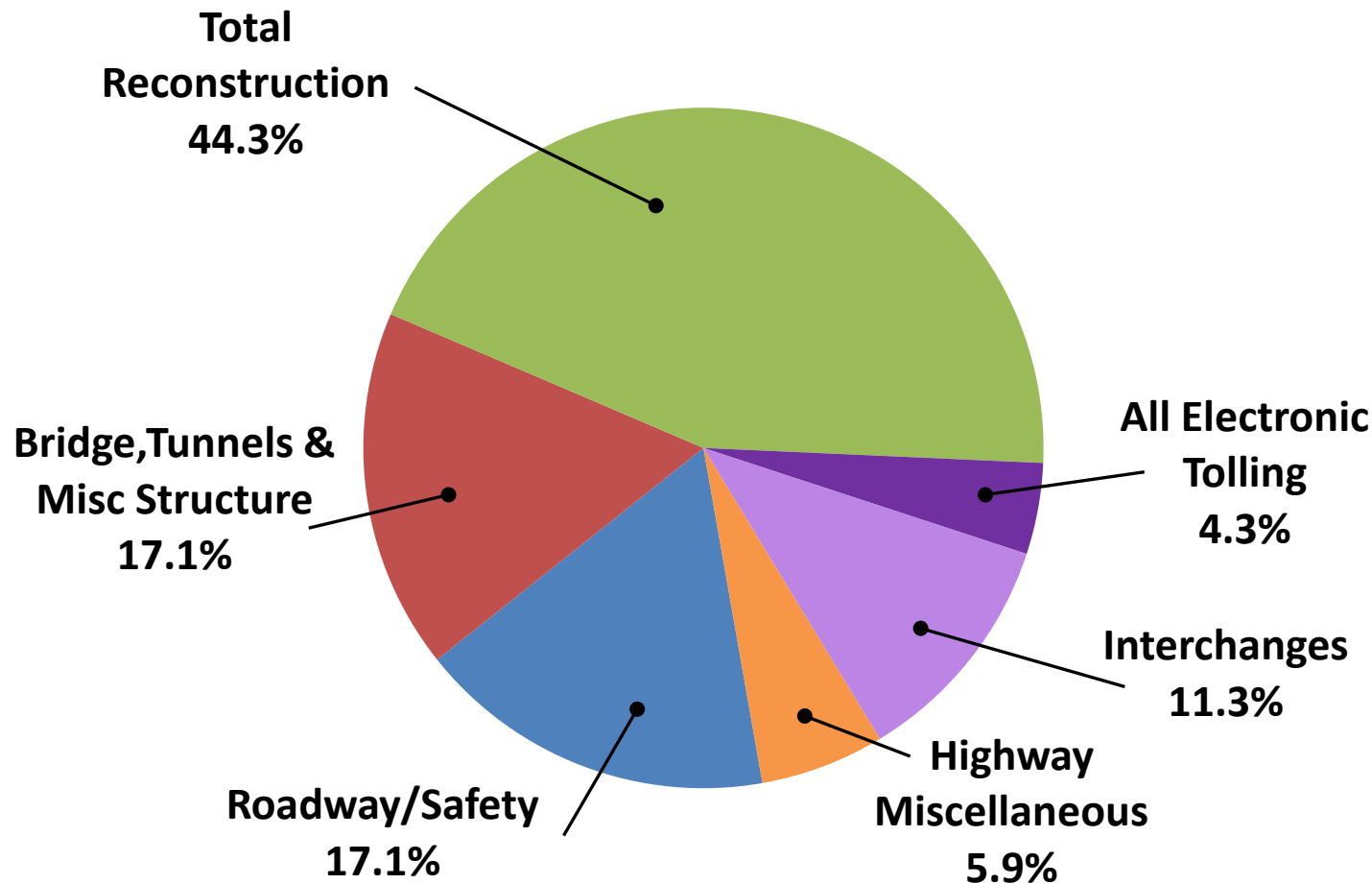
Awarded Contract Value	\$501.9M
Final Contract Value	\$498.7M
Change Order Value	-\$3.2M
Change Order %	-0.64%

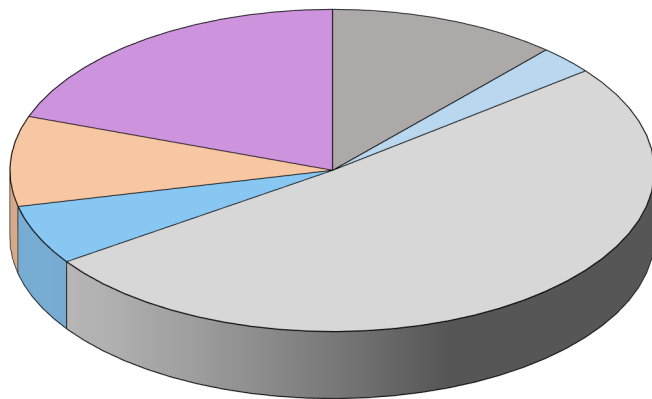
Final Contract Value	\$468.1M
Estimate	\$439.0M
Difference (\$)	\$29.1M (FCV to Est.)
Difference (%)	6.64% (FCV to Est.)

Does not Include Open-End Roadway and Bridge Repairs or
Open-End Pavement Markings









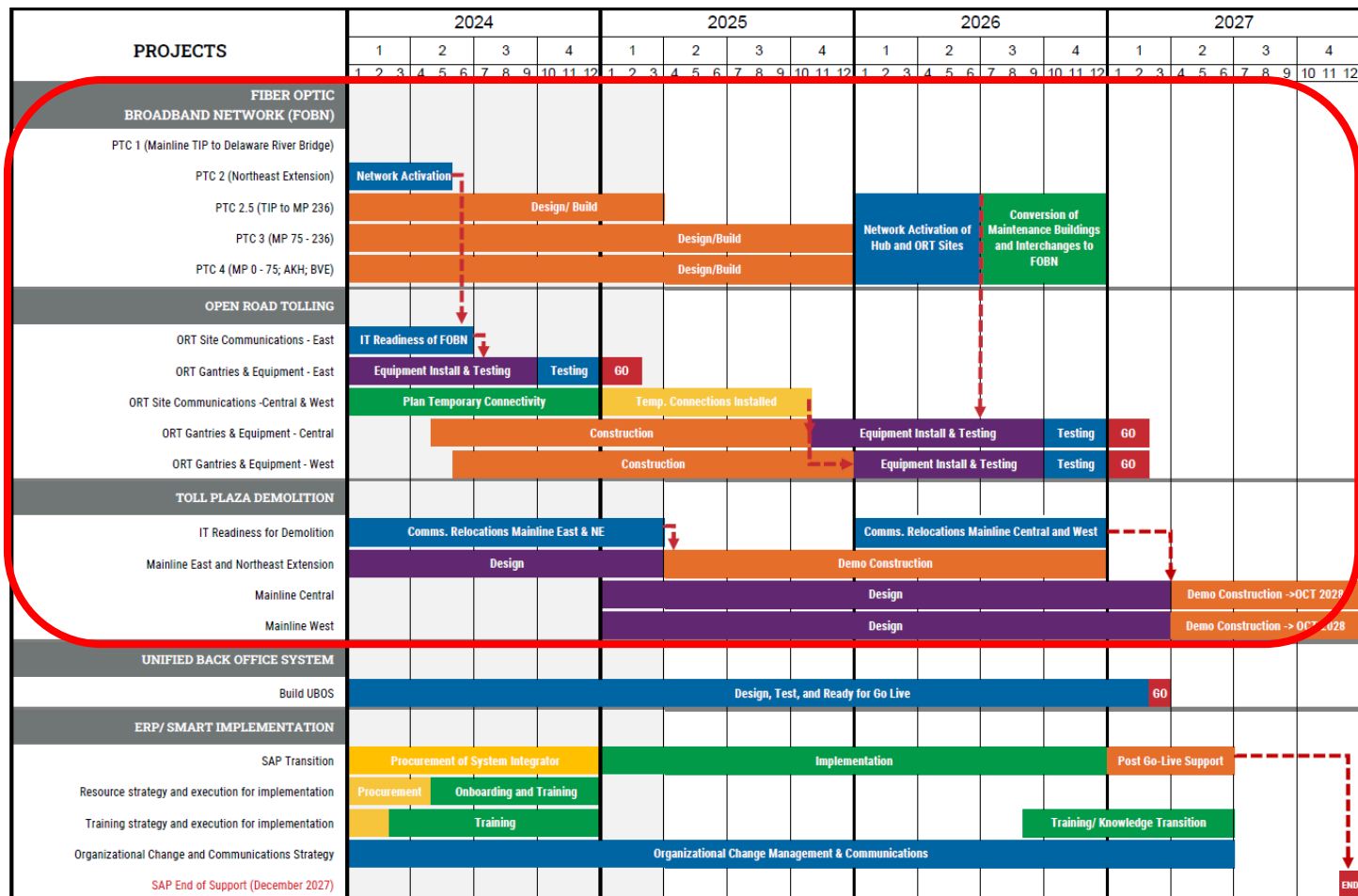
- ROADWAY & MISC
- BRIDGE
- TOTAL RECONSTRUCTION
- INTERCHANGE
- FACILITIES
- INDEPENDENTLY FUNDED

ROADWAY & MISC	\$88,956,275.00	11.5%
BRIDGE	\$21,979,178.00	2.9%
TOTAL RECONSTRUCTION	\$392,897,610.00	51.0%
INTERCHANGE	\$46,095,702.00	6.0%
FACILITIES	\$69,638,306.00	9.0%
INDEPENDENTLY FUNDED	\$150,767,000.00	19.6%

\$770,334,071.00**100.0%**

Major Project Updates







“When we opened as America’s first superhighway, we set the national standards for interstate highway design and engineering. Open road tolling continues that legacy”



PA TURNPIKE FIBER OPTIC NETWORK

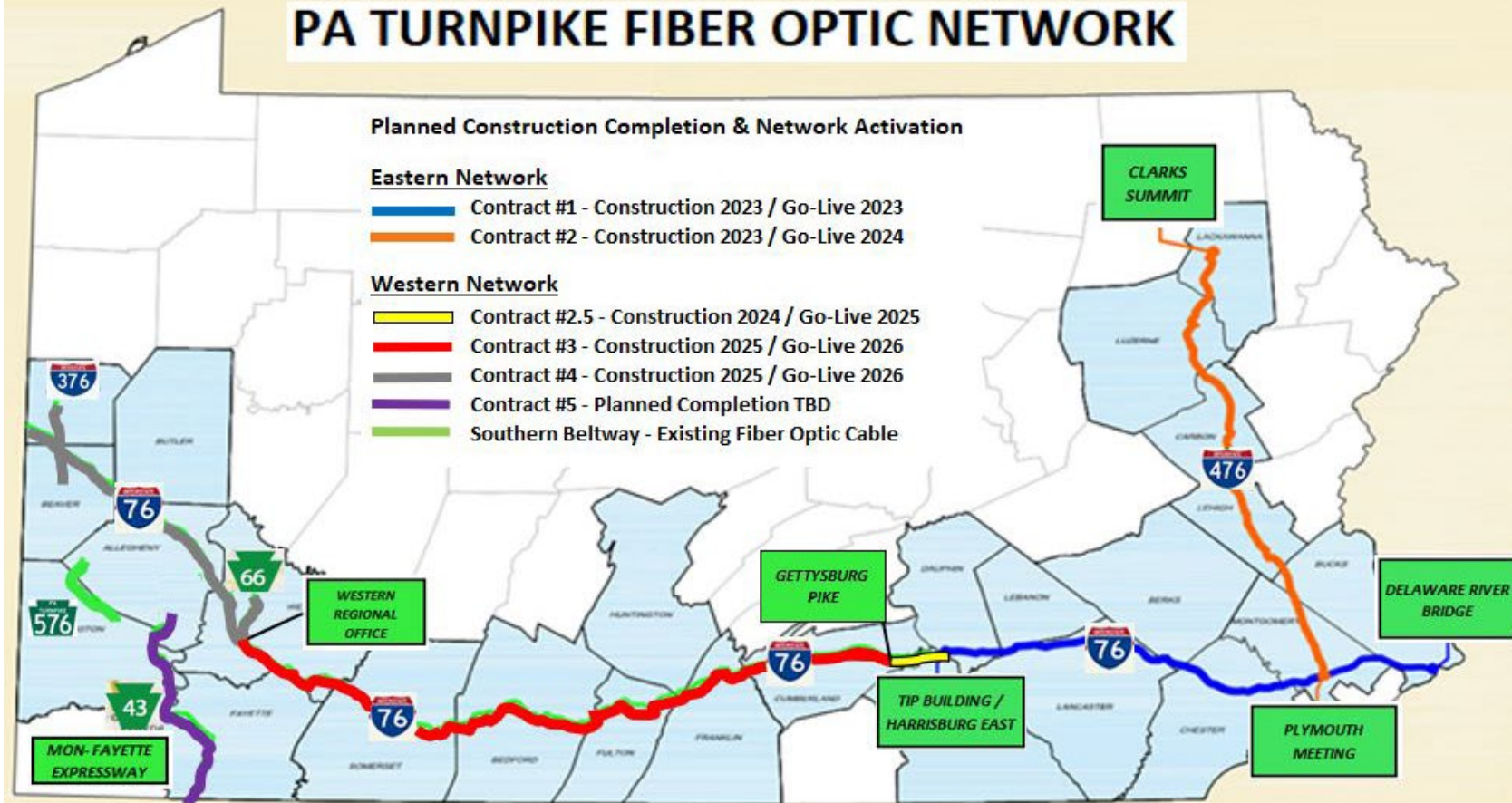
Planned Construction Completion & Network Activation

Eastern Network

- Contract #1 - Construction 2023 / Go-Live 2023
- Contract #2 - Construction 2023 / Go-Live 2024

Western Network

- Contract #2.5 - Construction 2024 / Go-Live 2025
- Contract #3 - Construction 2025 / Go-Live 2026
- Contract #4 - Construction 2025 / Go-Live 2026
- Contract #5 - Planned Completion TBD
- Southern Beltway - Existing Fiber Optic Cable







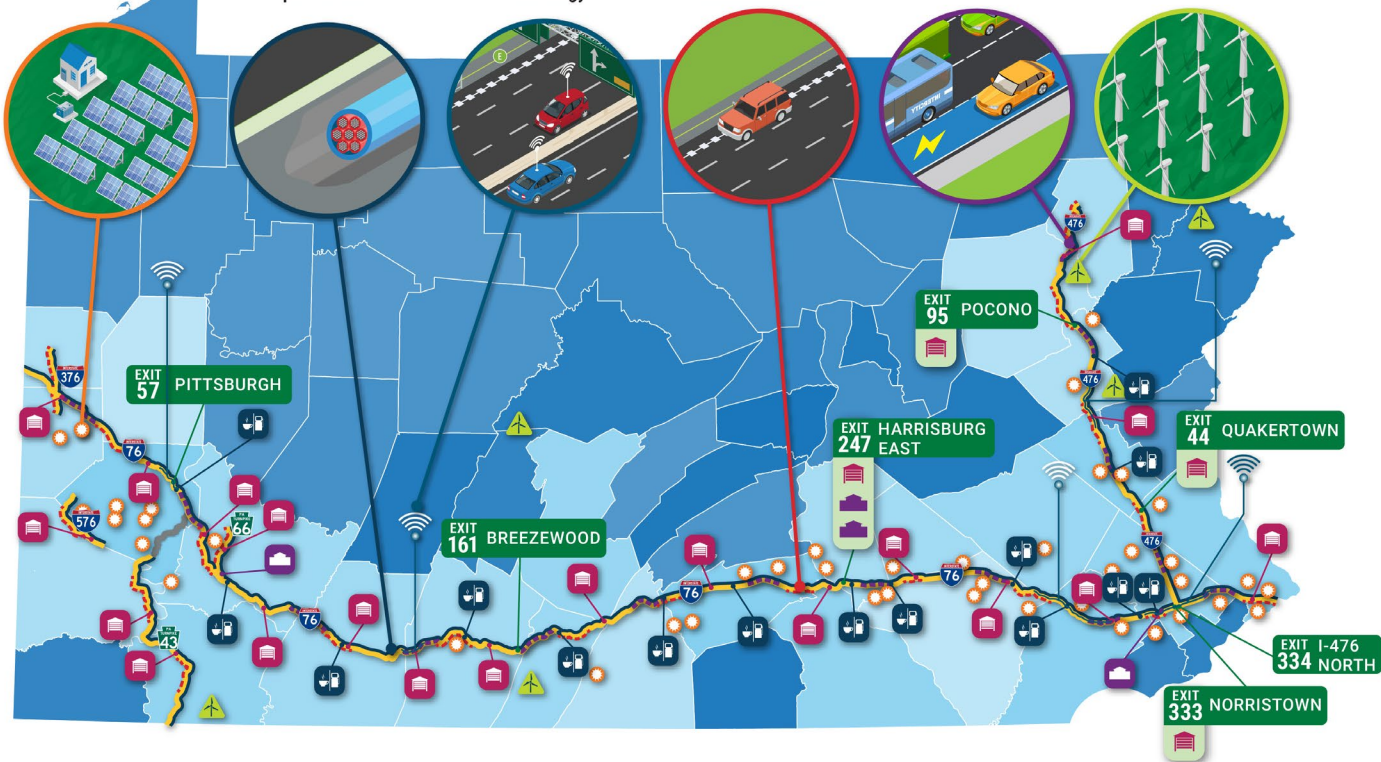
VISION FOR A SUSTAINABLE ROADWAY 2040

Microgrid/Solar

In-Road Fiber
Optic NetworkConnected Vehicle
TechnologyBuried Electric
Transmission Lines

Inductive Charging

Silent Wind Plant



SERVICE PLAZA

MAINTENANCE
FACILITYPTC ADMINISTRATIVE
BUILDING

EXIT



ROADWAY



MICROGRID/SOLAR

IN-ROAD FIBER
NETWORKCONNECTED VEHICLE
TECHNOLOGYBURIED ELECTRIC
TRANSMISSION LINES

INDUCTIVE CHARGING



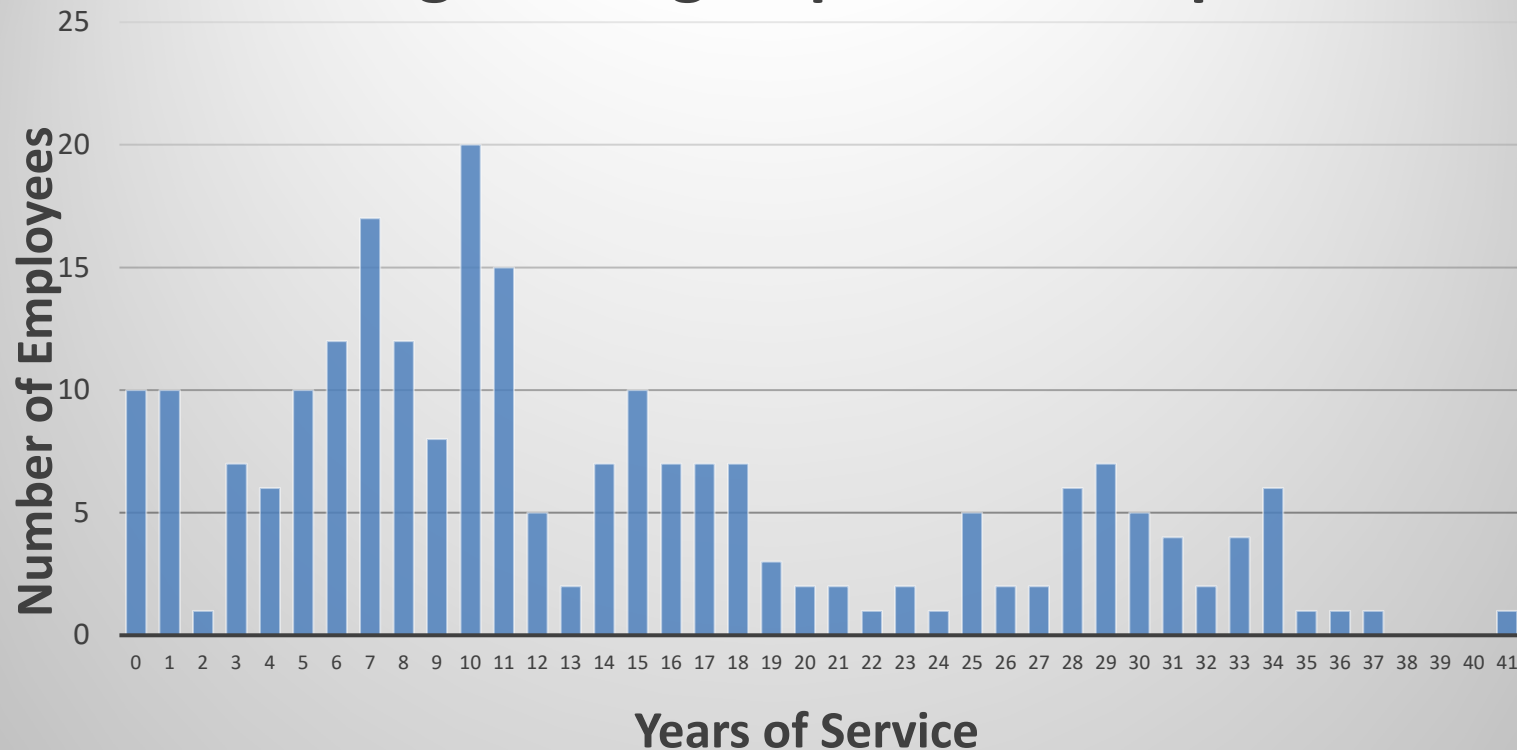
SILENT WIND PLANT



Workforce Development



Engineering Department Experience





Resources

- Will save everyone time!
- Improve communication throughout design/construction/consultants.



Leadership

- Prepare for the next level!
- Honing your skills will yield more effective results quicker.



PM

- Provide a more predictable process for you and your project team!
- This is our business, and training will save us and you time/money.



Technical Skills

- Quality is Everyone's Responsibility!



**Workforce
Development**

Year 1 Learning Assignment and Tracking Form

Employee Name: _____ **Unit/Department:** _____

Supervisor Name: _____ **Manager:** _____

Note: Workforce Development learning opportunities are open to all. Participation is encouraged even if not noted below as mandatory or recommended by your supervisor

Track	Course Title	Testative Course Date	Learning Assignment		Completion Date
			Mandatory	Recommended	
Leadership	My Professional Development Journey - Kevin Scheutich	8/7/24			
	A Blueprint for Effective Workplace Leadership	9/11/24, 10/16/24, 4/2/25			
	A Guide to Mentoring Others	9/11/24, 10/16/24, 4/2/25			
	A Guide to Managing Remote Teams	9/11/24, 10/16/24, 4/2/25			
	Leaders in Our Industry - Art Hoffmann	2/5/25			
	Leading with Emotional Intelligence	10/2/24, 3/5/25, 4/30/25			
	The Secrets of Skilled Delegation	10/2/24, 3/5/25, 4/30/25			
	5 Leadership Styles to Influence a Team	10/2/24, 3/5/25, 4/30/25			
	Leaders in Our Industry - Cheryl Moon	6/4/25			
	Leadership Book Club	7/9/25			
Technical Skills	Environmental Permitting Overview: Chapter 105 & 102, including RMA	8/14/24			
	Utilities Training for Project Managers	9/18/24			
	Design & Pre-Bid Construction Schedules	10/22/24			
	Constructability: Basic Intro/Overview	12/18/24			
	Threatened and Endangered Species, Tree Clearing, and Planning on Highway Projects	2/12/25			
	Project Highlights & Lessons Learned in 2024	3/12/25			
	Erosion and Sediment Control Practices and Construction Considerations	4/9/25			
	Maintenance's Perspective on Maintainability	5/7/25			
	Geotechnical Hazards of Pennsylvania	6/11/25			
	Lifecycle of Stormwater Control Measures	7/16/25			
Project Management	PM 101	8/21/24			
	Improving PM Skills	9/25/24			
	Project Finances	10/9/24			
	Scope Management	12/11/24			
	Business Writing	2/19/25			
	Team Building	3/19/25			
	PM Scheduling	4/16/25			
	Communication Strategies	5/14/25			
	Contract Negotiations	6/18/25			
	Conflict Management	7/23/25			
PTC Resources	Engineering Based Geo-Analytic Resources, Tips & Tricks	8/28/24			
	Design Operations Manual (DOM) Introduction - Module #1	10/30/24			
	Design Operations Manual (DOM) Introduction - Module #2	11/6/24			
	Design Operations Manual (DOM) Introduction - Module #3	11/13/24			
	Intranet & Internet Site Resource Overview	2/26/25			
	OnBase & Existing Plan Tips & Tricks	3/26/25			
	Item Numbers	4/23/25			
	SAP Overview and Q&A	5/21/25			
	Project Collaboration Methods (Kahua, SharePoint, Teams, etc)	6/25/25			
	Bluebeam Revu Overview for Effective Project Reviews	7/30/25			



**WORKFORCE DEVELOPMENT
LEARNING LOOK AHEAD**

April 2025

Upcoming Internal Learning Opportunities

4/2 Leadership Small Group Session 5

Wednesday - 1:00 pm to 2:00 pm

If you were not marked as mandatory or recommended but still want to attend, please email **Gene Janero** for an invitation!

- A A Blueprint for Effective Workplace Leadership**
Facilitators: Tom Sponsler & Demetri Koutsokostas
In person at CAB 030-033 only
- B A Guide to Mentoring Others**
Facilitators: Fawn Cassel & Tim Johnson
In person at CAB 358 only
- C A Guide to Managing Remote Teams**
Facilitator: Jacob Valentine
In person at CAB 101 only
- E The Secrets of Skilled Delegation**
Facilitator: Gene Janero
In person at WRO 201 only

4/9 Erosion & Sediment Control Practices & Const Considerations

Presenters: Luke Larson & Demetri Koutsokostas
Wednesday - 1:00 pm to 2:00 pm
CAB Ground Open Area & WRO 201

4/16 PM Scheduling

Facilitator: Wally Wimer
Wednesday - 1:00 pm to 2:30 pm
CAB 032, 038 & 030-033

4/23 Item Numbers

Presenter: Andy Bergbauer
Wednesday - 1:00 pm to 2:00 pm
CAB 238 & WRO 201

External Learning Opportunities

Video

Bridge Deck Pre-Placement Operations

PA Asphalt Pavement Association
20 minutes

Video

Bridge Deck Testing Placement and Pumping

PA Asphalt Pavement Association
22 minutes

Webinar

Performance Measures for Pavement Management Systems

Sponsored by:
USDOT/FHWA
Thursday, April 17th at 200 pm

Suggestions and Feedback are Always Welcome!
Email: workforce_dev@paturnpike.com



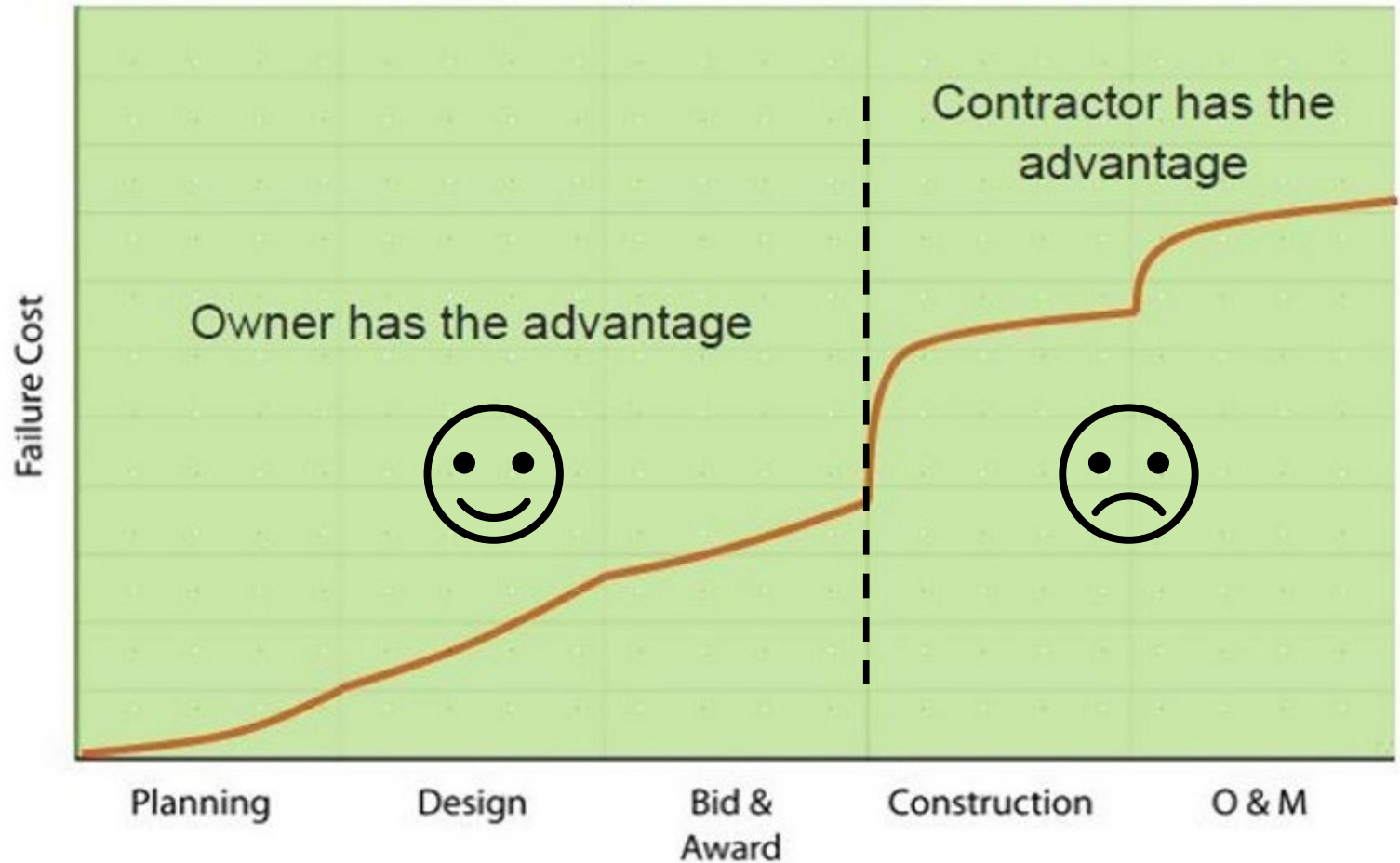
ENGINEERING
 ONE
CONFERENCE
— 2025 —
★ GETTYSBURG, PA ★

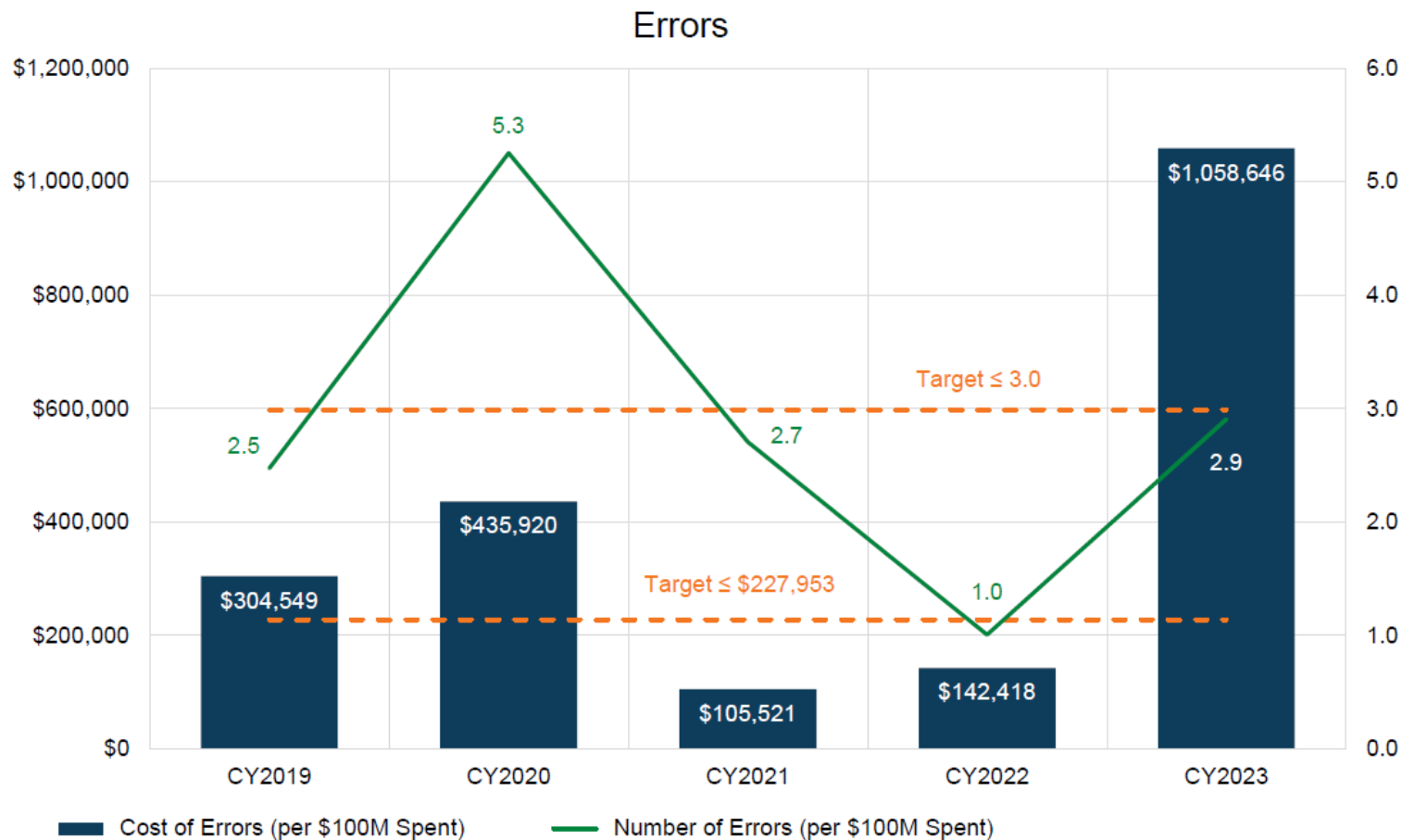


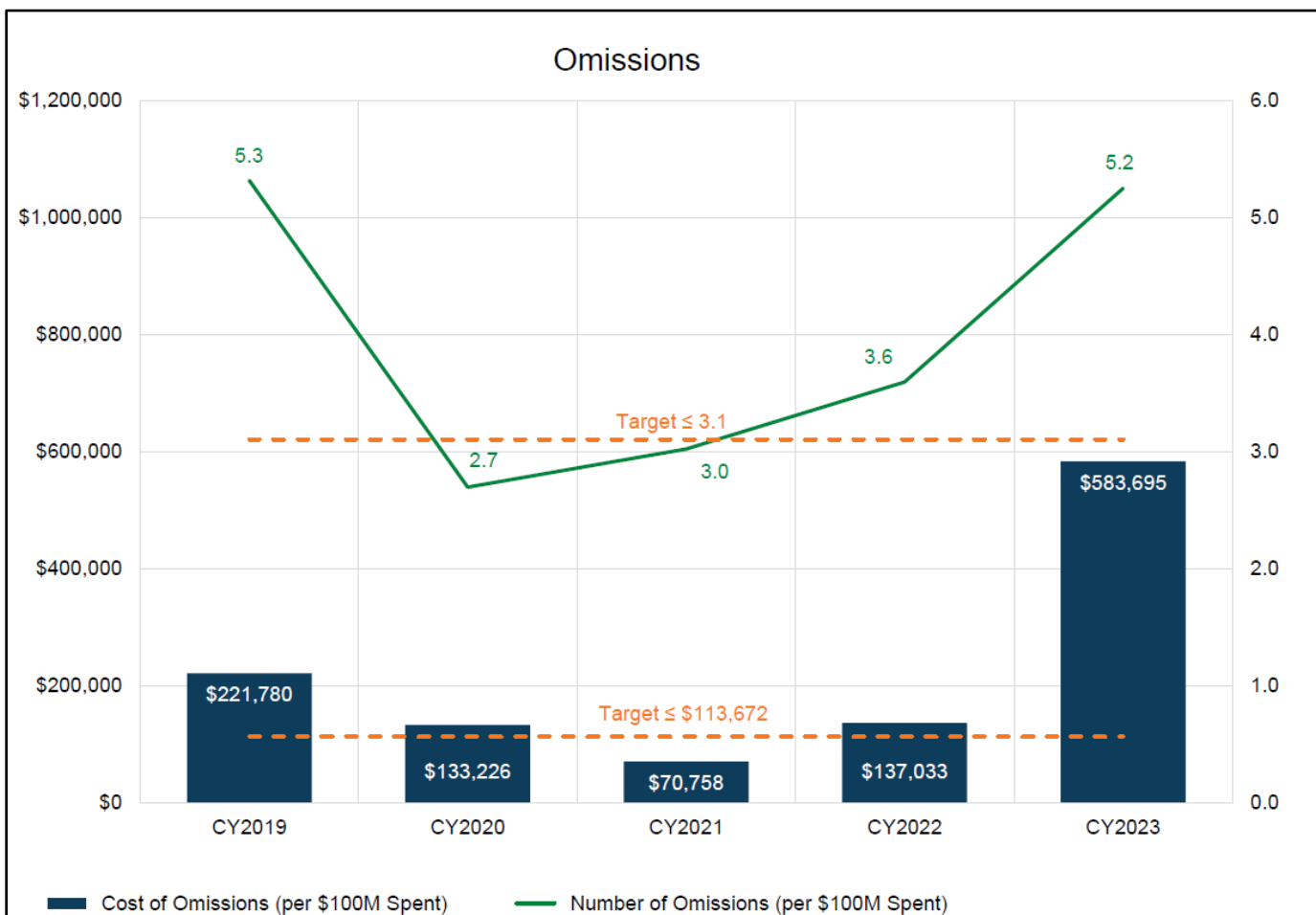


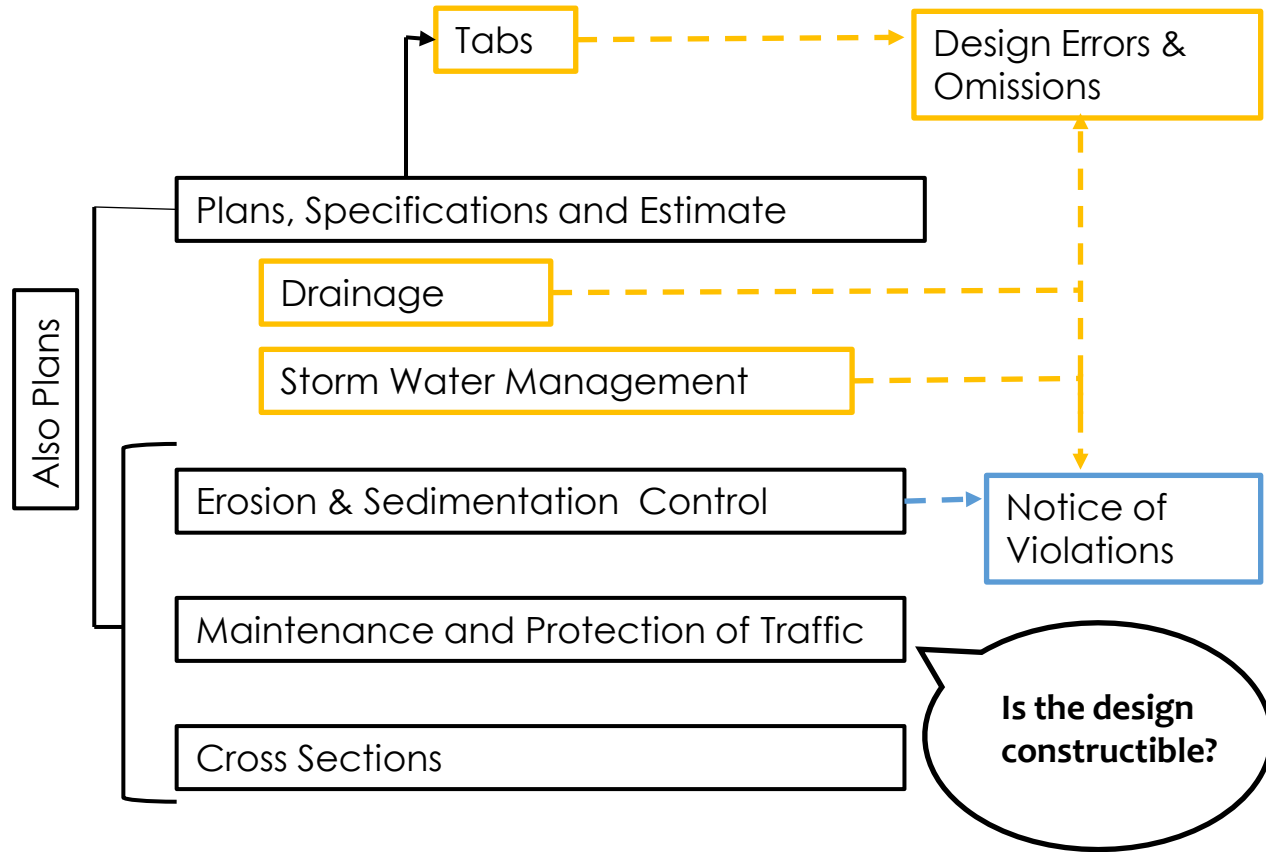
Quality



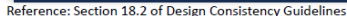








- ☐ Have you reviewed and incorporated the recommendations from the Geotechnical Engineering Report (GER) into the contract documents?
- ☐ Have you reviewed the Environmental Permit to ensure the restrictions are included into the contract documents?
- ☐ Have you reviewed the 4181's and included the appropriate utility coordination information into the contract documents?
- ☐ Have you reviewed the "Measurement and Payment" within the specifications to ensure the unit of pay matches the Summary and Tab Sheets?

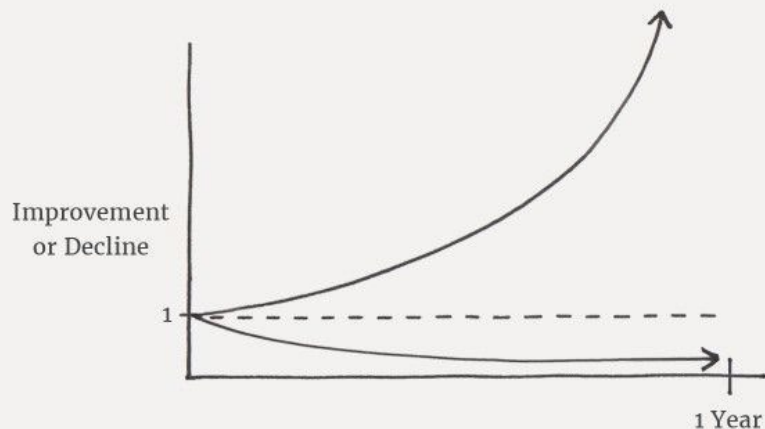


**“It’s Not About Being the Best
It’s About Being Better Than
You Were Yesterday”**

The Power of Tiny Gains

1% better every day $1.01^{365} = 37.78$

1% worse every day $0.99^{365} = 0.03$



Questions?

