

PA Turnpike FY24

Bradley J. Heigel, PE
PA Turnpike Commission

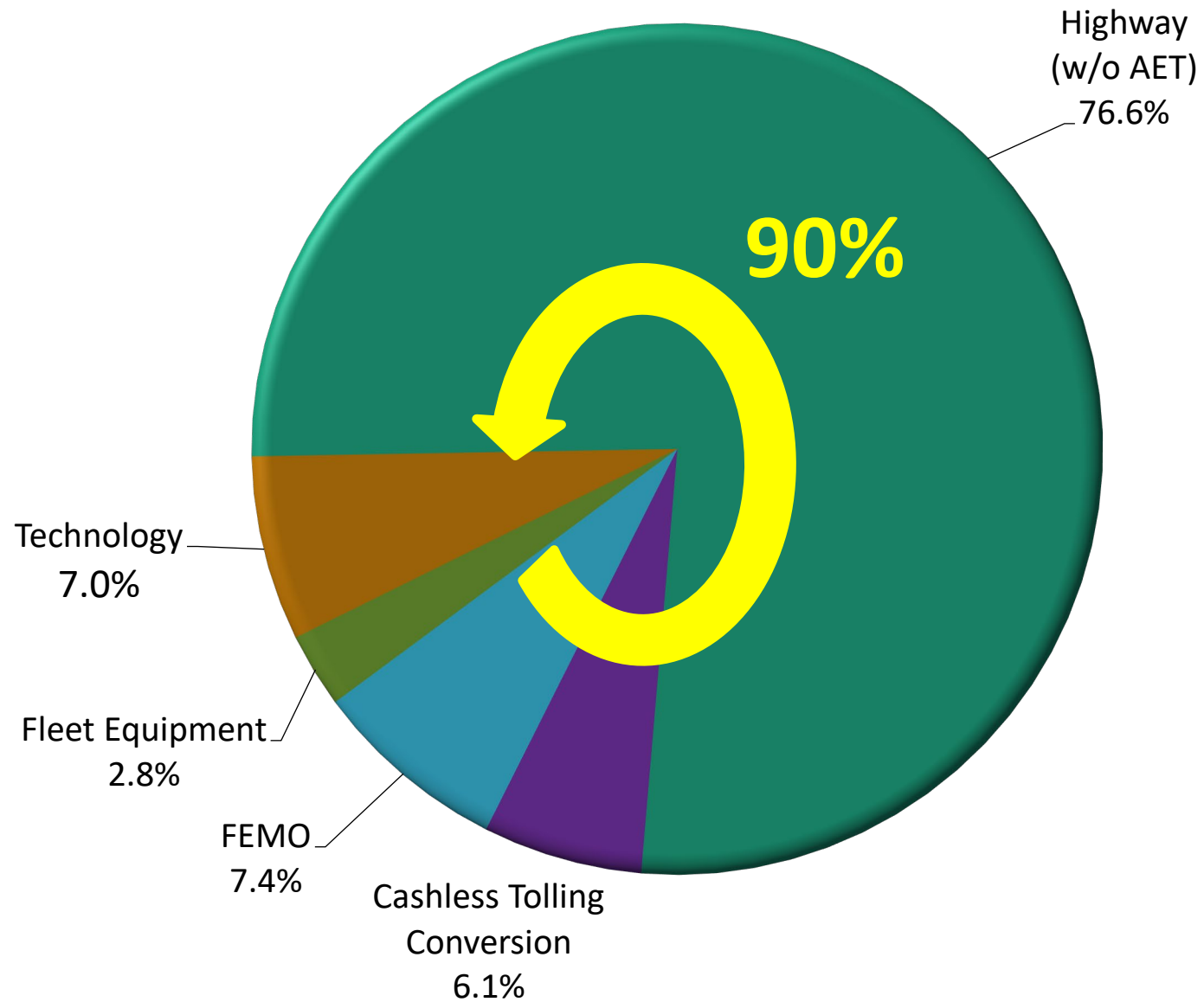


FY 2024 Ten Year Capital Plan (YOE)

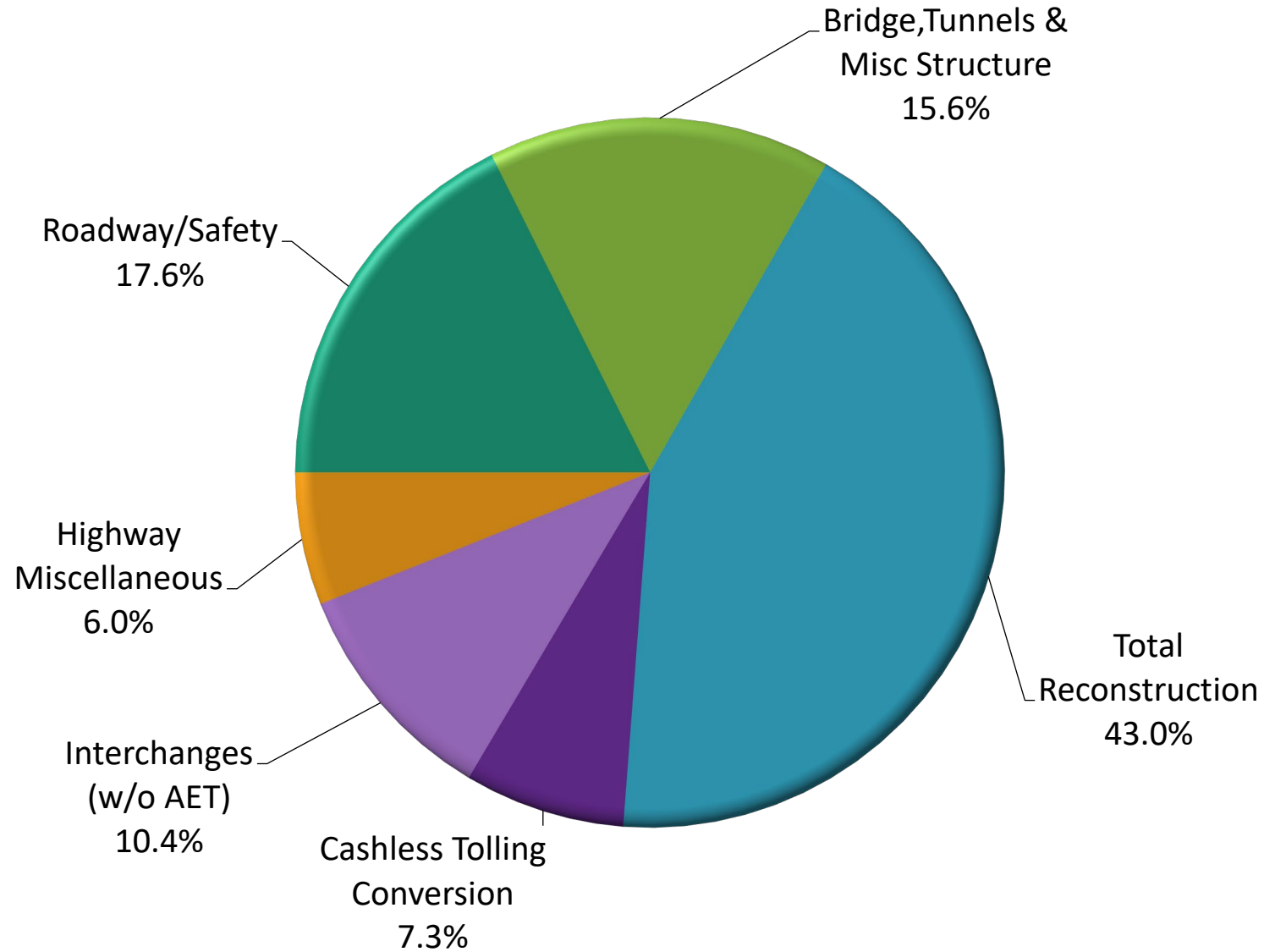
Program	Category	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	Total FINAL PLAN
Highway	Roadway/Safety	163,558,000	145,840,240	103,847,843	92,415,022	97,933,869	96,990,387	99,900,099	102,897,102	105,984,015	109,163,535	1,118,530,112
Highway	Bridge, Tunnels & Misc Structure	153,213,878	135,293,558	118,800,860	105,586,551	96,799,159	91,403,294	88,008,772	90,017,113	54,540,241	59,076,192	992,739,619
Highway	Total Reconstruction	259,295,443	236,576,962	214,573,257	241,328,297	249,018,913	261,954,762	303,927,439	306,812,132	344,642,228	308,107,563	2,726,236,997
Highway	Interchanges (w/o AET)	27,290,000	56,212,000	56,833,920	26,386,870	82,848,673	66,779,399	108,913,642	102,198,310	49,451,067	84,096,696	661,010,576
Highway	Highway Miscellaneous	49,865,569	44,964,044	40,972,344	35,896,986	32,605,301	33,473,114	36,352,191	35,869,760	37,001,383	36,969,567	383,970,259
Highway	Total (w/o AET)	653,222,890	618,886,805	535,028,224	501,613,725	559,205,915	550,600,956	637,102,143	637,794,418	591,618,935	597,413,553	5,882,487,563
FEMO	Re-capitalization	2,972,000	1,820,000	1,776,060	1,940,211	1,998,417	2,058,370	2,241,271	2,308,509	2,377,764	2,449,097	21,941,699
FEMO	Sustainment	9,572,000	6,058,000	6,377,670	6,679,869	6,994,461	7,263,105	7,602,148	7,954,997	8,322,174	8,704,223	75,528,647
FEMO	Compliance	6,545,000	7,358,000	7,615,530	7,954,865	7,965,121	8,204,074	8,571,346	9,078,055	9,478,924	9,763,292	82,534,207
FEMO	New Energy Initiative	2,201,000	2,022,800	2,093,598	2,156,406	2,221,098	2,287,731	2,356,363	2,427,054	2,499,865	2,574,861	22,840,777
FEMO	Facilities Design	33,228,000	44,002,400	42,636,204	37,141,182	42,309,350	43,461,009	42,947,593	26,766,224	27,569,211	28,396,287	368,457,460
FEMO	Total	54,518,000	61,261,200	60,499,062	55,872,533	61,488,446	63,274,289	63,718,721	48,534,838	50,247,939	51,887,761	571,302,790
Fleet Equipment	Fleet Equipment	20,420,000	20,280,000	21,481,129	22,789,330	22,839,055	23,524,227	20,595,461	21,213,324	21,849,724	22,505,216	217,497,466
Technology	Functional Business Software	52,092,488	40,661,344	31,246,121	29,191,538	29,283,172	28,697,270	29,534,426	30,509,973	16,952,323	17,209,871	305,378,527
Technology	Infrastructure HW / SW	17,631,856	18,284,109	18,942,810	19,530,994	20,138,035	20,764,574	21,411,273	22,078,819	22,767,928	15,886,035	197,436,434
Technology	Toll Collection / Operations	4,996,000	3,120,000	3,229,200	3,326,076	3,425,858	3,528,634	3,634,493	3,743,528	3,855,834	3,971,509	36,831,132
Technology	Total	74,720,344	62,065,453	53,418,131	52,048,608	52,847,066	52,990,478	54,580,193	56,332,320	43,576,085	37,067,414	539,646,092
EN-00115	Cashless Tolling Conversion	92,940,000	75,836,800	129,404,808	82,619,728	61,574,093	22,489,161	0	0	0	0	464,864,590
	Grand Total (PSEXP)	895,821,234	838,330,257	799,831,354	714,943,924	757,954,576	712,879,111	775,996,517	763,874,900	707,292,683	708,873,945	7,675,798,502
	Reimbursed/Supplemental Funds	164,000,000	0	0	0	0	0	20,000,000	20,000,000	0	0	204,000,000
	Grand Total (PSNET)	731,821,234	838,330,257	799,831,354	714,943,924	757,954,576	712,879,111	755,996,517	743,874,900	707,292,683	708,873,945	7,471,798,502



FY24 Capital Plan (YOE) by Program



FY24 Highway Program (YOE) by Category

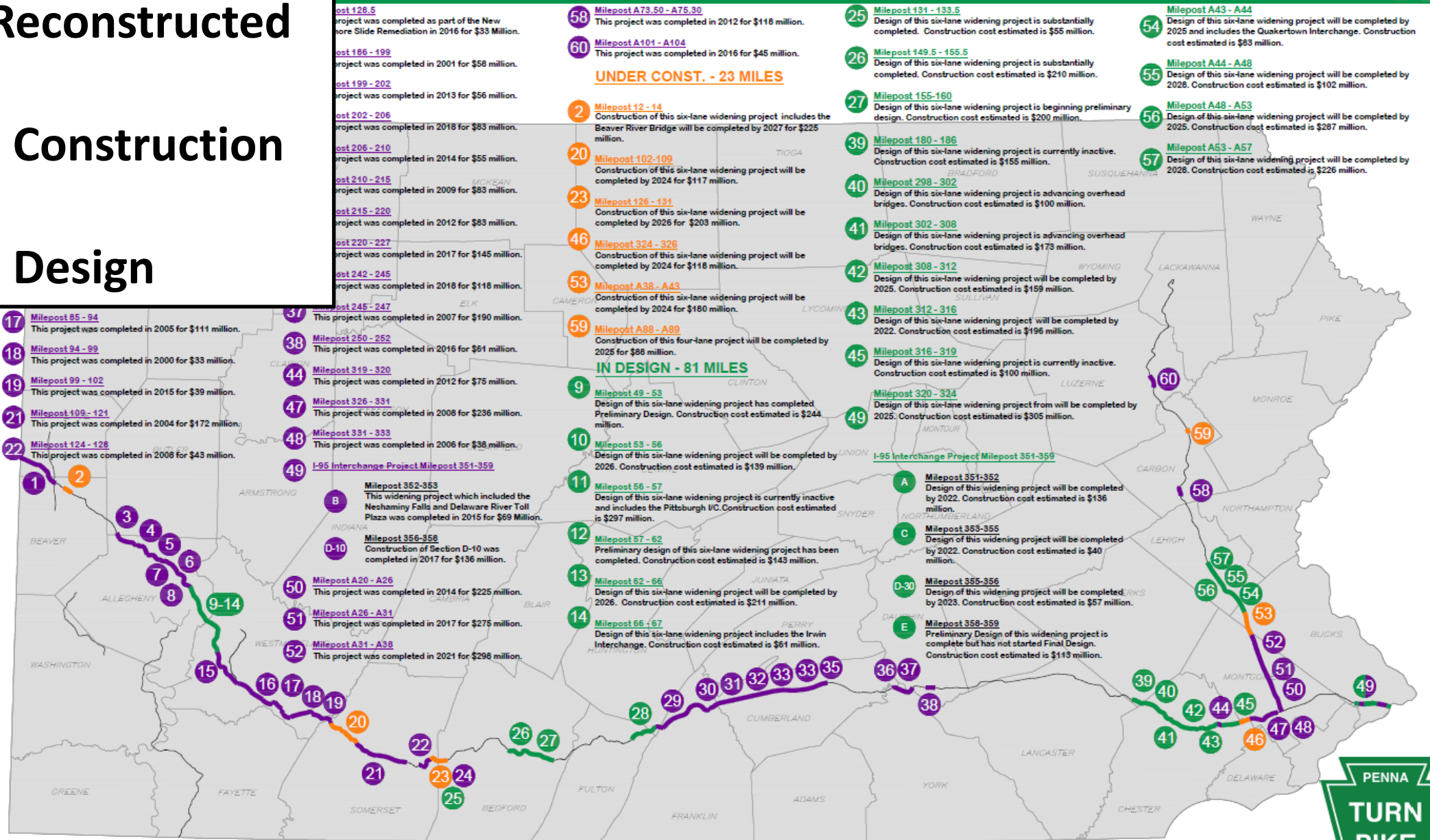


Pennsylvania Turnpike Statewide Total Reconstruction Initiative

155 miles Reconstructed

27 miles in Construction

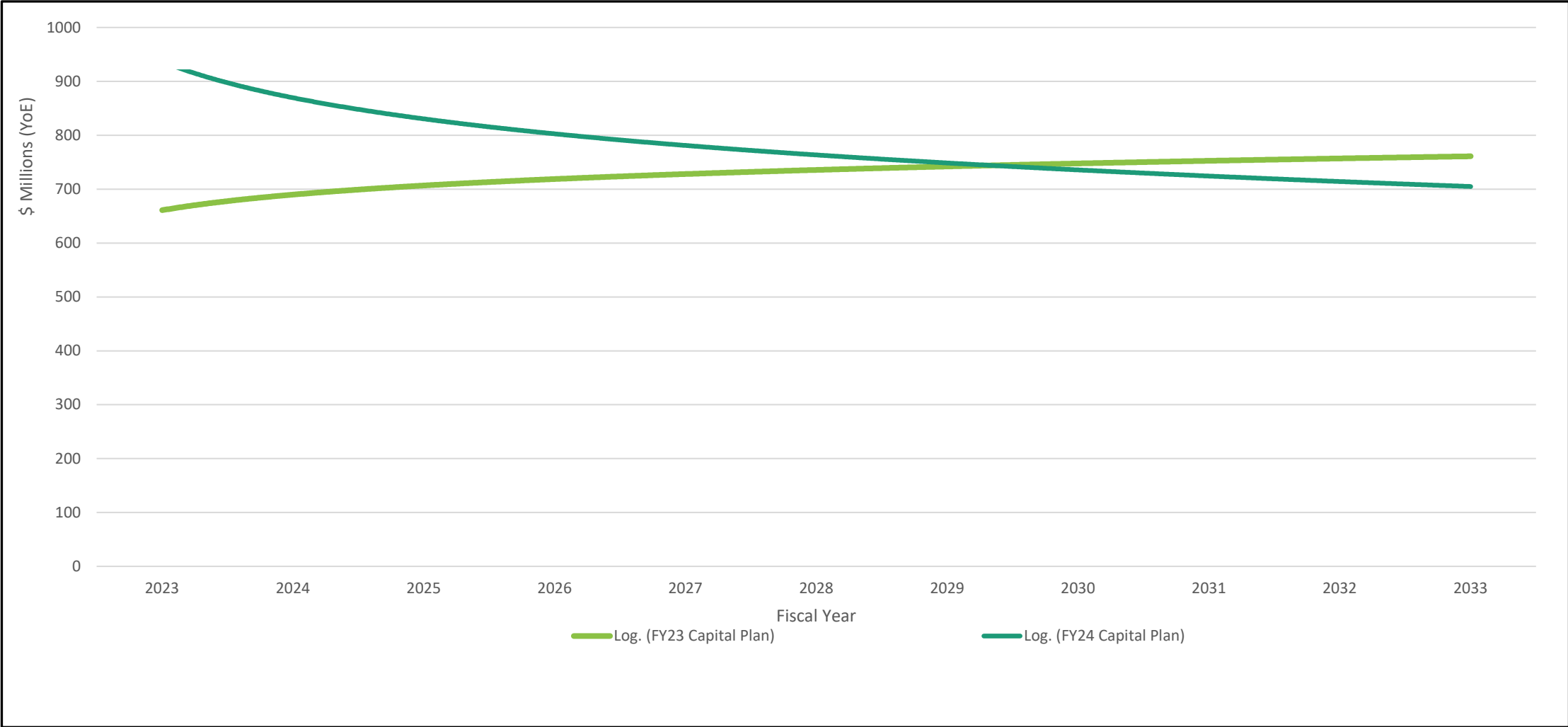
80 miles in Design



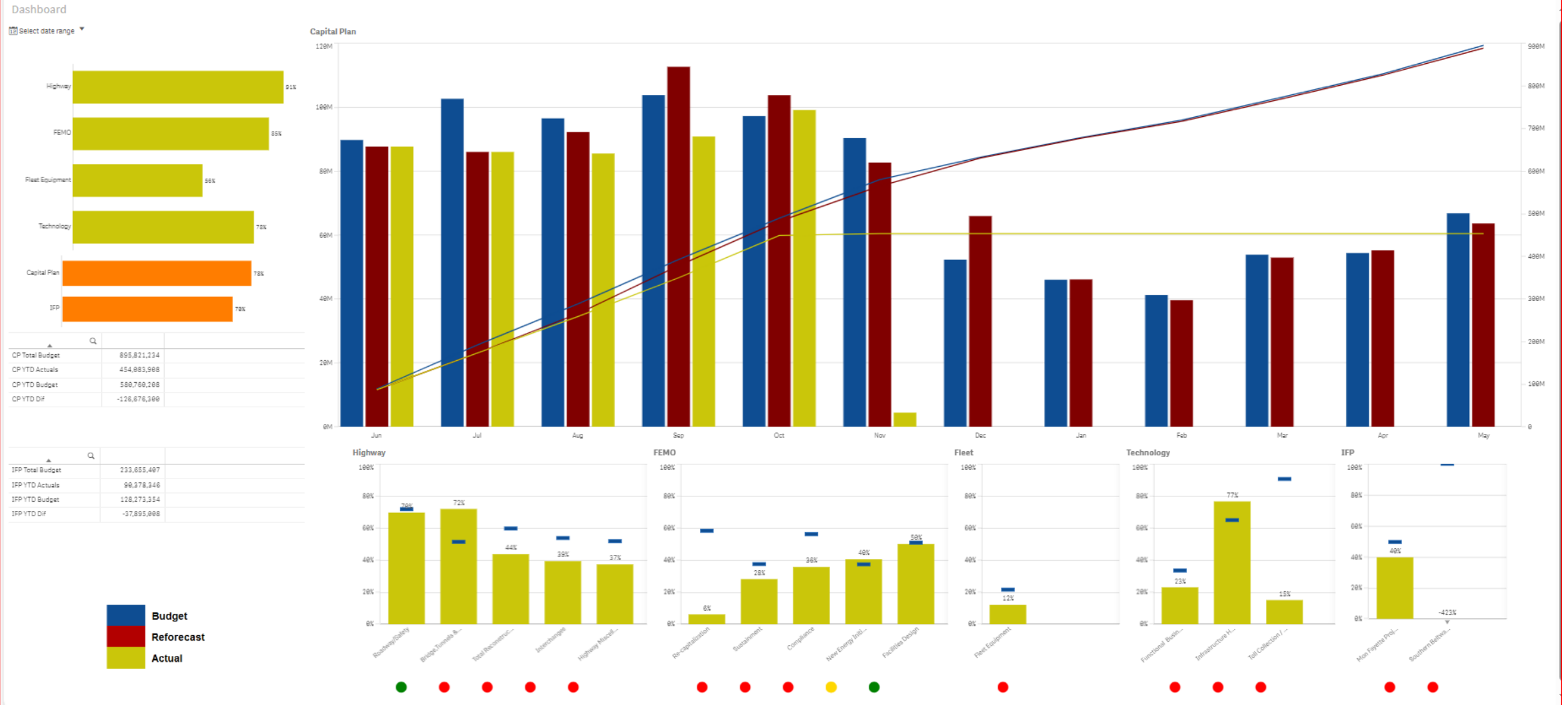
* Beginning in 2022, the definition of completion of a 6 lane widening project is when traffic is opened to 6 lanes.
 ** Total project cost shown includes design, construction, utilities and right of way.

LEGEND
 CONSTRUCTION COMPLETED UNDER CONSTRUCTION IN DESIGN
 AS OF JUNE 2023

FY23 vs. FY24 Capital Plan Spending by Fiscal Year (YOE)

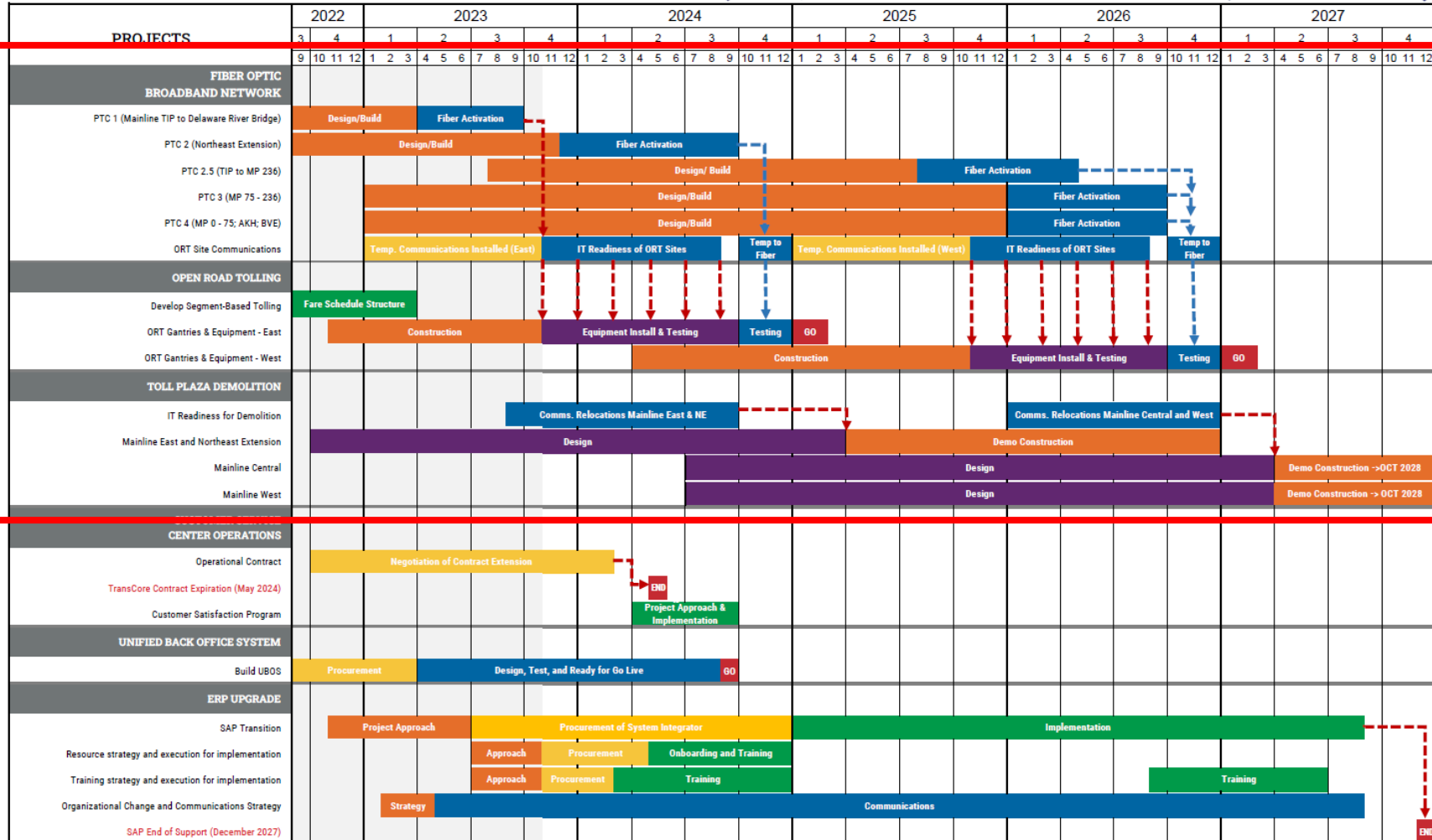


FY24 Capital Plan





Major Projects and Interdependencies



PA TURNPIKE FIBER OPTIC NETWORK

Planned Construction Completion & Network Activation



EASTERN NETWORK

- Contract #1**
Construction 2022
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
To Be Determined

Southern Beltway & Existing Fiber Optic Cable



FXX.00 COMMISSION OWNED FIBER OPTIC FACILITIES

The Commission owns aerial and/or underground fiber optic facilities in the Commission's right-of-way for the entire length of the project limits. The fiber optic facilities provide service to the Commission and potentially other telecommunication companies.

Verify the exact location of the facilities and protect all such facilities from damage during the performance of the contract work. Exercise care to avoid any damage to the Commission's fiber optic facilities in and around the project work.

Coordinate and schedule contract work with the Representative so no interference with any active fiber optic system work done by the Commission or its contractor within the contract limits.

In the event of any damage to the Commission's fiber optic facilities due to the Contractor's acts or omissions, immediately notify the Representative. The Commission reserves the right to conduct emergency repairs, both temporary and permanent, including testing at the expense of the Contractor to restore the facilities to the same condition as prior to the damage. The Contractor is also responsible for all costs and losses resulting from an interruption in service due to the damage caused by the Contractor.

In addition, the Commission will assess in the amount of \$1,000.00 against the Contractor for the administrative burden resulting from any interruption of service for each occurrence of damage to any Commission owned fiber optic facilities.

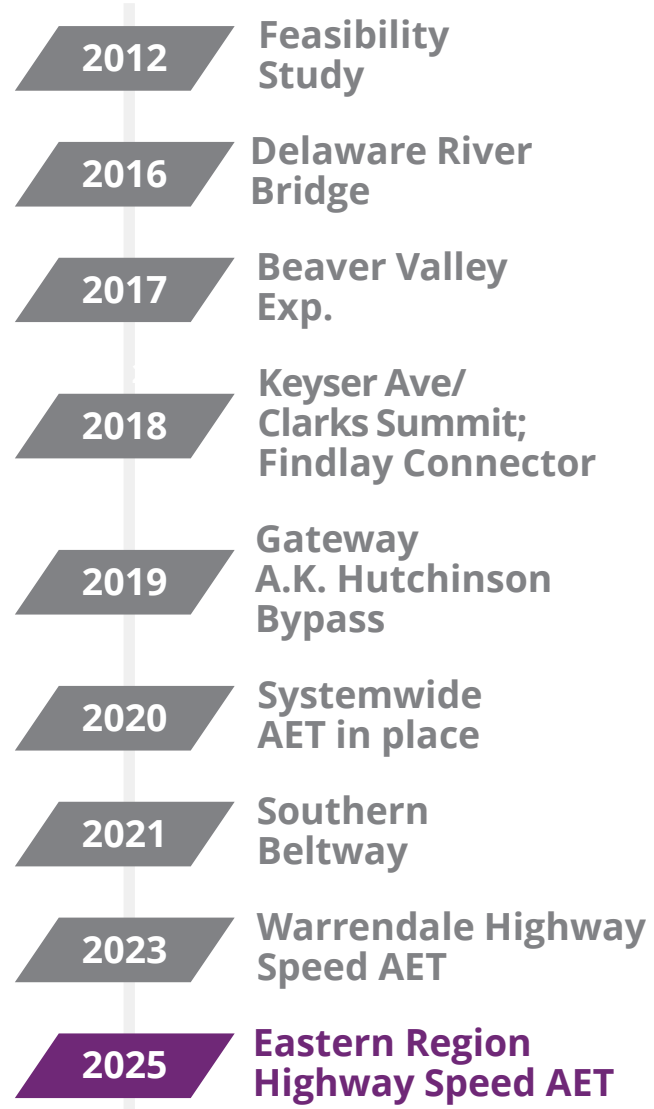
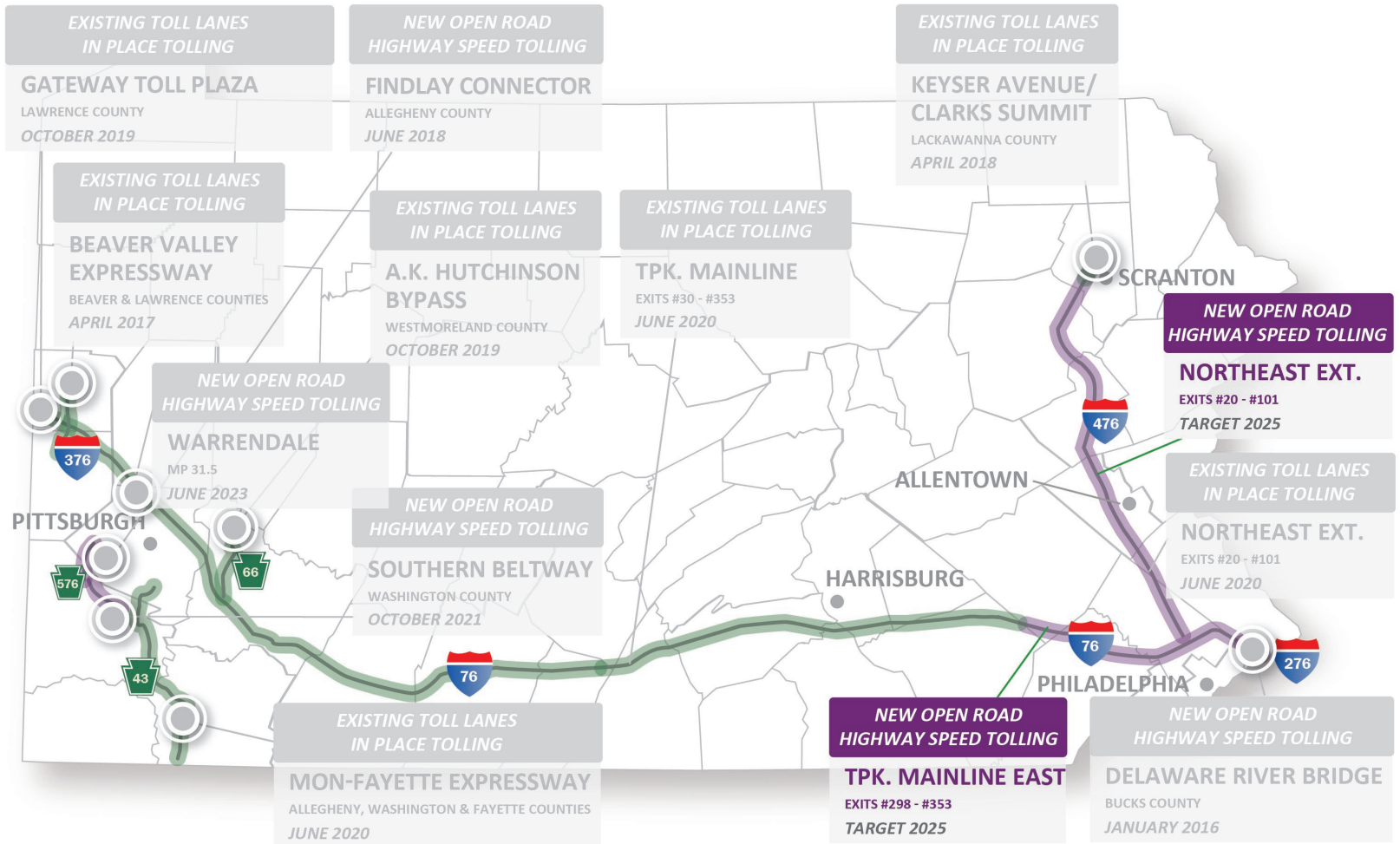
For purposes of this section, an occurrence is an incident or event caused by the Contractor or its subcontractor that results in damage to the fiber optic facilities and/or an interruption in fiber optic service.

No separate payment will be made by the Commission to the Contractor for measures taken by the Contractor in complying with this specification for protecting fiber optic facilities or for any work in connection therewith and incidental thereto.



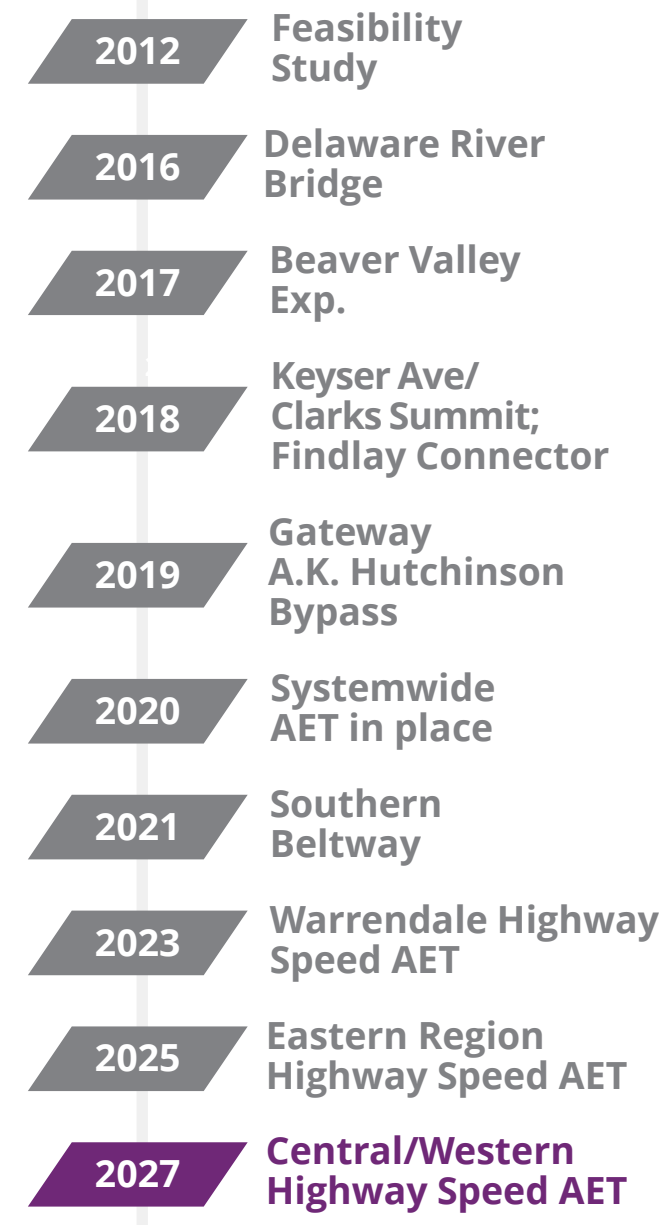
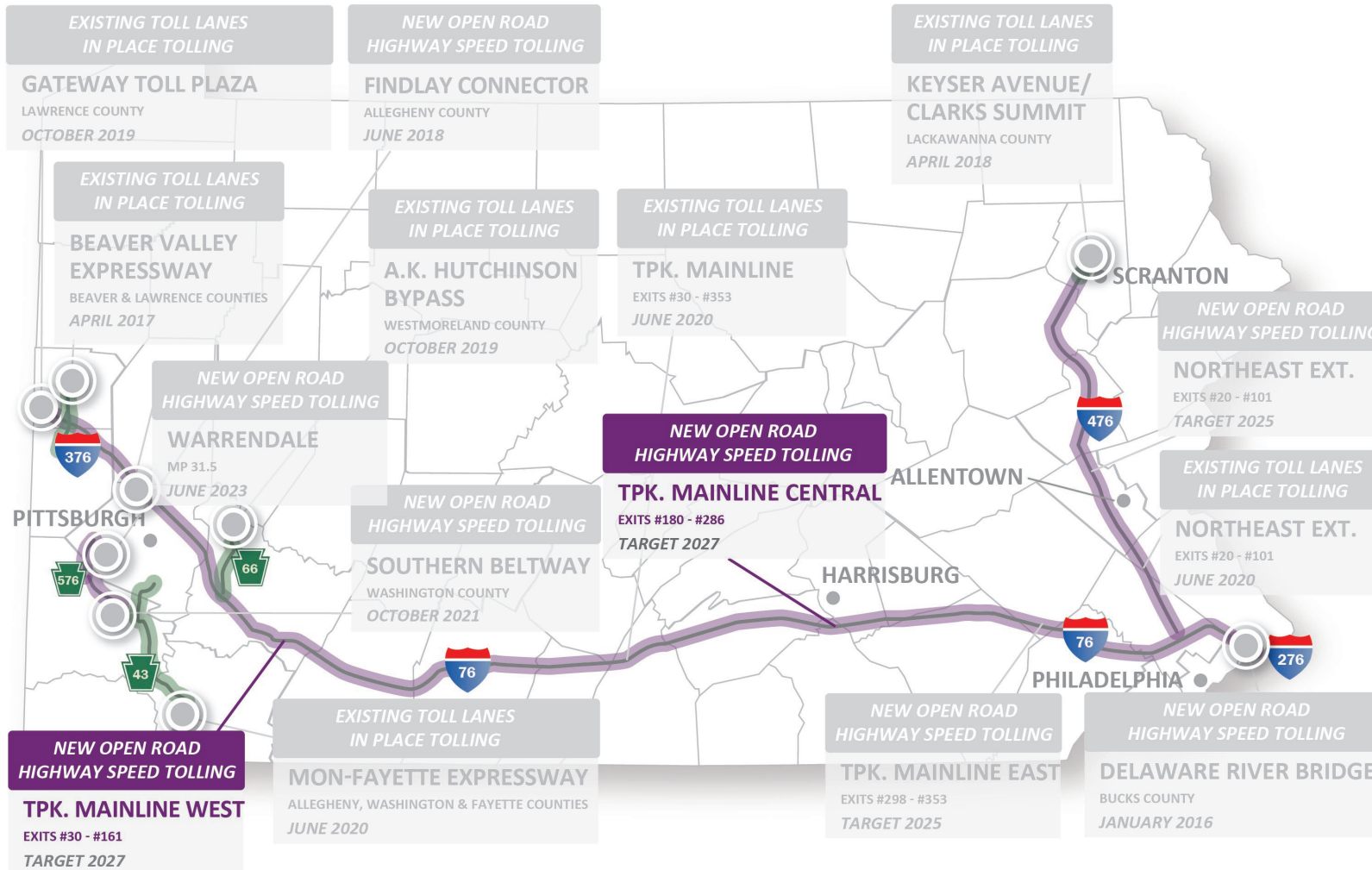
PTC CASHLESS TOLLING

2023-25 Conversion Schedule



PTC CASHLESS TOLLING

2027 Conversion Schedule



CY24 Letting Schedule

CY24 1st Quarter:

- Various Roadway Repair Open-Ends
- Various Pavement Marking Open-Ends
- MP 132-142 Asphalt Resurfacing
- MP 238.2 Access Ramp Construction**
- MP 180-236 Cashless Tolling

** - Non-Mandatory Pre-Bid Meeting



Add the following to Section 104.01, **INTENT OF PLANS AND SPECIFICATIONS:**

(a) Covenant of Good Faith and Fair Dealing. This contract, in its performance and enforcement, imposes an obligation of good faith and fair dealing on the Contractor(s) and the Commission. The Contractor(s) and the Commission, with a positive commitment to honesty and integrity, agree to the following mutual duties:

- To function within the laws and statutes applicable to their duties and responsibilities.
- To assist in the other's performance.
- To avoid hindering the other's performance.
- To proceed to fulfill obligations diligently; and
- To cooperate in the common endeavor of the contract.

(b) Partnering. The Commission intends to encourage the formation of a cohesive partnership with the Contractor(s) and their principal subcontractors and suppliers. This partnership will be structured to draw on the strengths of each organization to identify and achieve reciprocal goals. The objectives are effective and efficient contract performance and completion of all work within budget, on schedule, and in accordance with the plans and specifications.

This partnership will be bilateral in makeup. Any cost associated with bringing about this partnership will be paid by the Commission. The costs associated with partnering are not to be included in the bid, and the provisions specified in Section 110.03(d)4 do not apply to these costs.

This partnering initiative should occur after the Preconstruction Conference, the Notice to Proceed, and the start of work, as specified in Sections 108.02 and 108.03, the Contractor's management personnel and the Representative are to organize a Partnering Seminar/Team Building Workshop as follows:

1. Facilitators. The Contractor and the Commission's Construction Engineering Manager and Digital Delivery Lead shall meet to discuss and prepare for the partnering workshop. They will determine the dates, locations, required attendees for the partnering workshop. They will be responsible for preparing presentations, giving an overview of the project, deciding which portions of the workshop they would like to facilitate, and having a list of potential/actual project issues.

2. Attendees. Persons anticipated to attend are the Commission's Assistant Chief Engineer - Construction, Construction Engineering Manager, Construction Project Manager, Digital Delivery Lead, Digital Delivery Lead consultant, and the designer. The contractor project manager and key personnel for the contractor utilizing the model should also be invited to attend.

3. Agenda. Workshop agenda is to consist of at least the following:

- Discussion of partnering principles;
- Establish project specific digital delivery goals and potential action items to accomplish the goals;
- Discuss the digital delivery models and associated documentation;
- Defined problem-solving procedure and evaluation process; and
- Discuss recommendations on deliverables, content, and workflows for future Digital Delivery projects.

4. Duration. Workshop duration should be, at a minimum, 1/2 day. A minimum of two workshops should occur, one (1) at the beginning or middle of the project and one (1) at the project completion.

5. Location. The workshop is to be located at an agreed upon site in Pennsylvania, in close proximity to the project site, if possible. The Contractor and the Commission are to share the cost of the facilities equally. Follow-up workshops may be held periodically throughout the duration of the contract as agreed to by the Contractor(s) and the Commission.

The establishment of a partnership charter on this project will not change the legal relationship of the parties to the contracts nor relieve any party of responsibility for any of the terms of the contracts.



CY24 Letting Schedule

CY24 2nd Quarter:

- MP 2-75 Cashless Tolling Conversion
- MP 215-220 Asphalt Resurfacing
- MP 246-255 Asphalt Resurfacing
- MP 236-286 Cashless Tolling Conversion
- MP A68-A75 Asphalt Resurfacing
- MP 340-345 Asphalt Resurfacing
- MP 319-324 Asphalt Resurfacing with Rt 29 IC
- MP 75-180 Cashless Tolling Conversion
- MP A128-A131 Asphalt Resurfacing
- MP 61.58 Harvison Road Elimination
- Asphalt Resurfacing at Blue Mountain IC
- Asphalt Resurfacing at Gettysburg Pike and Harrisburg West IC
- MP A53.38 OH Bridge Replacement



CY24 Letting Schedule

CY24 3rd Quarter:

- Various Sinkhole Repair Open-Ends
- MP A52-A60 Bridge Rehabilitation
- Various Bridge Repair Open-Ends
- MP A117.54 OH Bridge Painting



CY24 Letting Schedule

CY24 4th Quarter:

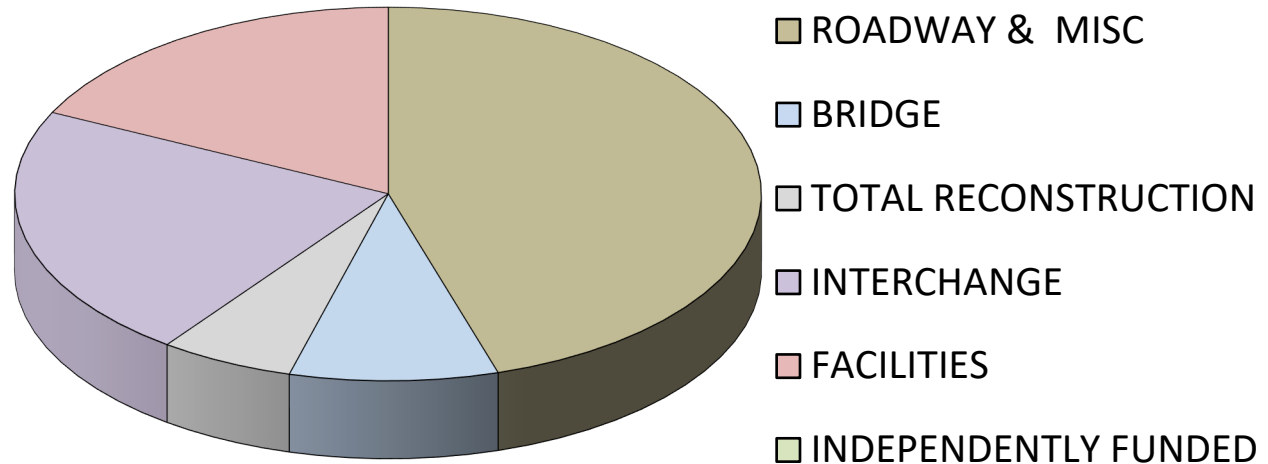
- MP 348.25 OH Bridge Replacement
- MP 63.22 Harrison City Maintenance**
- MP 161-168 Bridge Rehabilitation
- ITS DMS Replacement
- MP A87-A130 Plaza Demolition

** - Non-Mandatory Pre-Bid Meeting

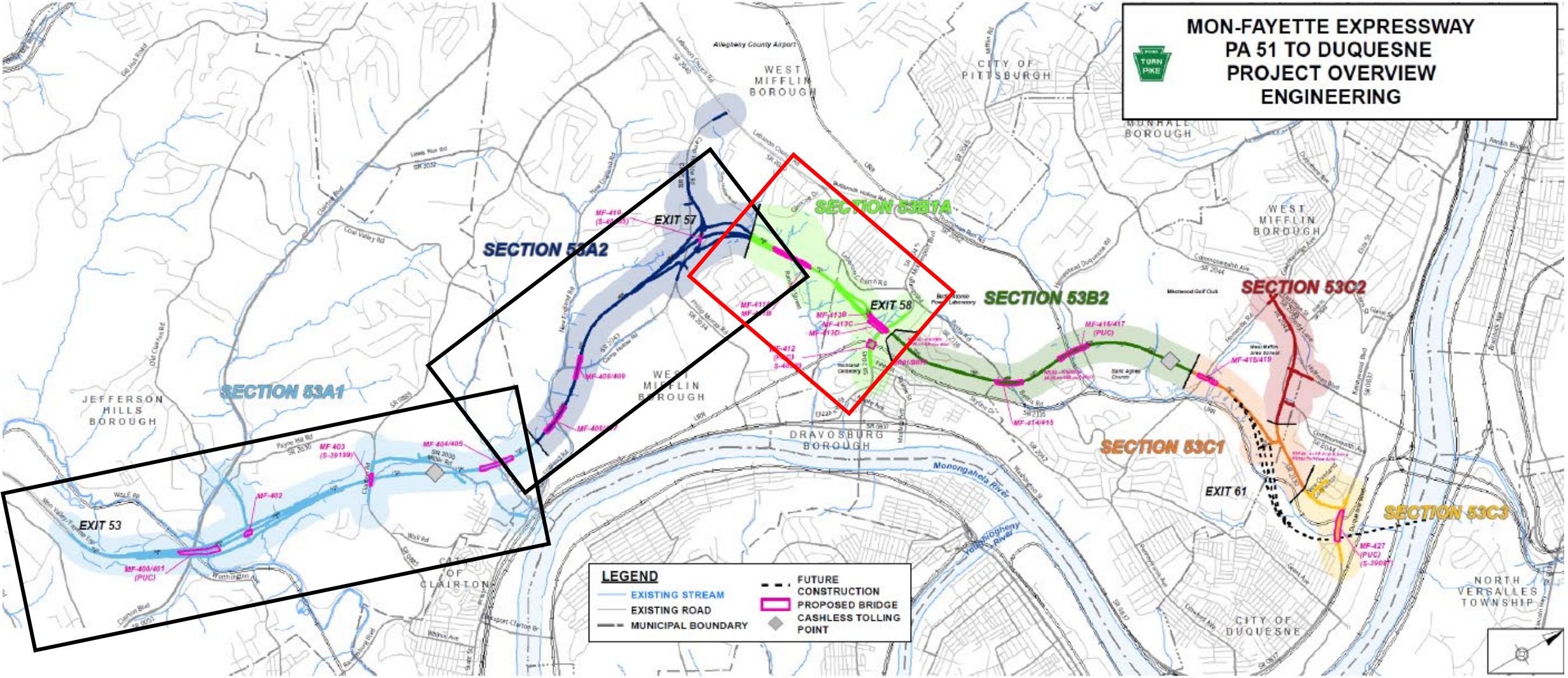


ROADWAY & MISC	\$147,272,329.00	45.3%
BRIDGE	\$29,310,763.00	9.0%
TOTAL RECONSTRUCTION	\$18,901,158.00	5.8%
INTERCHANGE	\$71,924,602.00	22.1%
FACILITIES	\$58,005,179.00	17.8%
INDEPENDENTLY FUNDED	\$0.00	0.0%

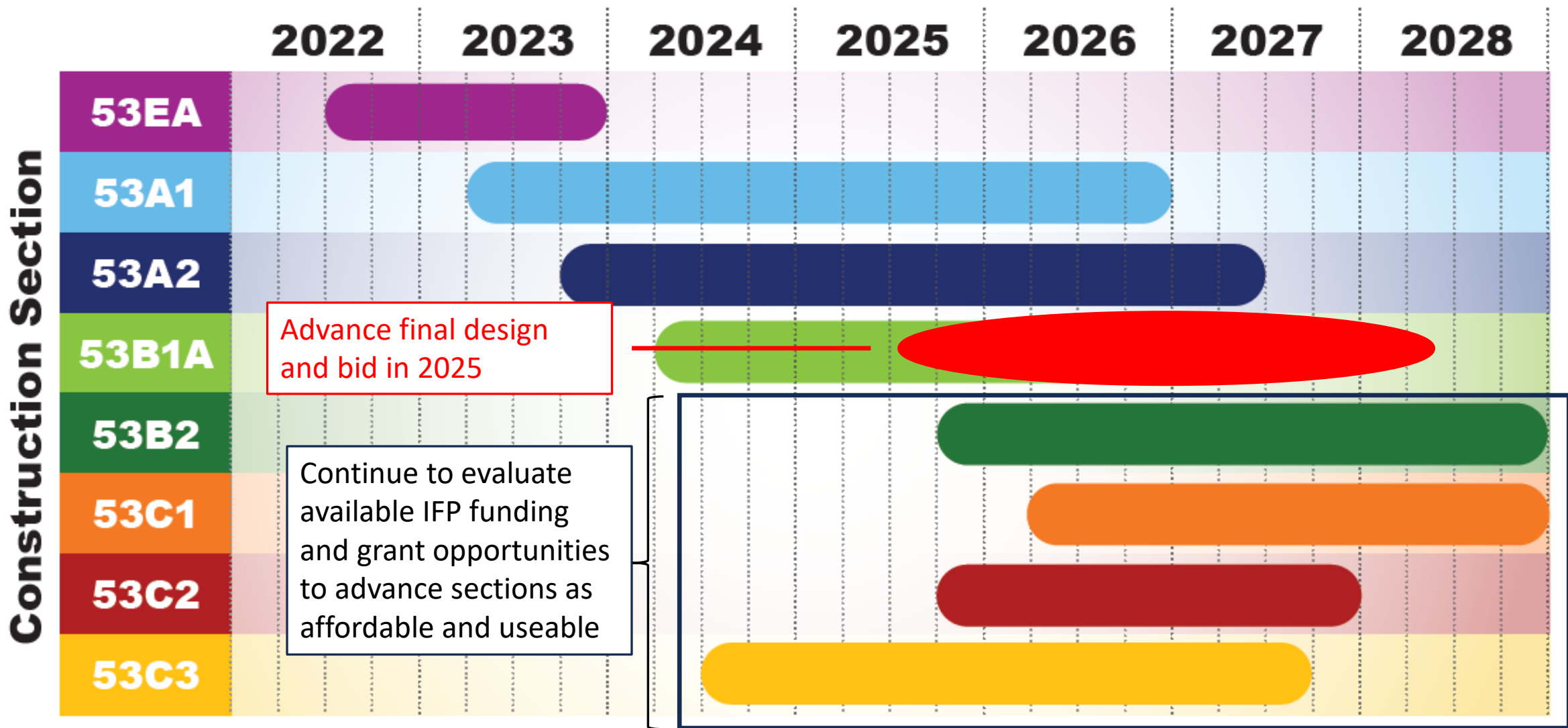
\$325,414,031.00 100.0%



MON-FAYETTE EXPRESSWAY PA 51 TO DUQUESNE PROJECT OVERVIEW ENGINEERING



Estimated Construction Durations



Advance final design and bid in 2025

Continue to evaluate available IFP funding and grant opportunities to advance sections as affordable and useable