

2017 Twelve Year Program



PA's Twelve Year Transportation Program

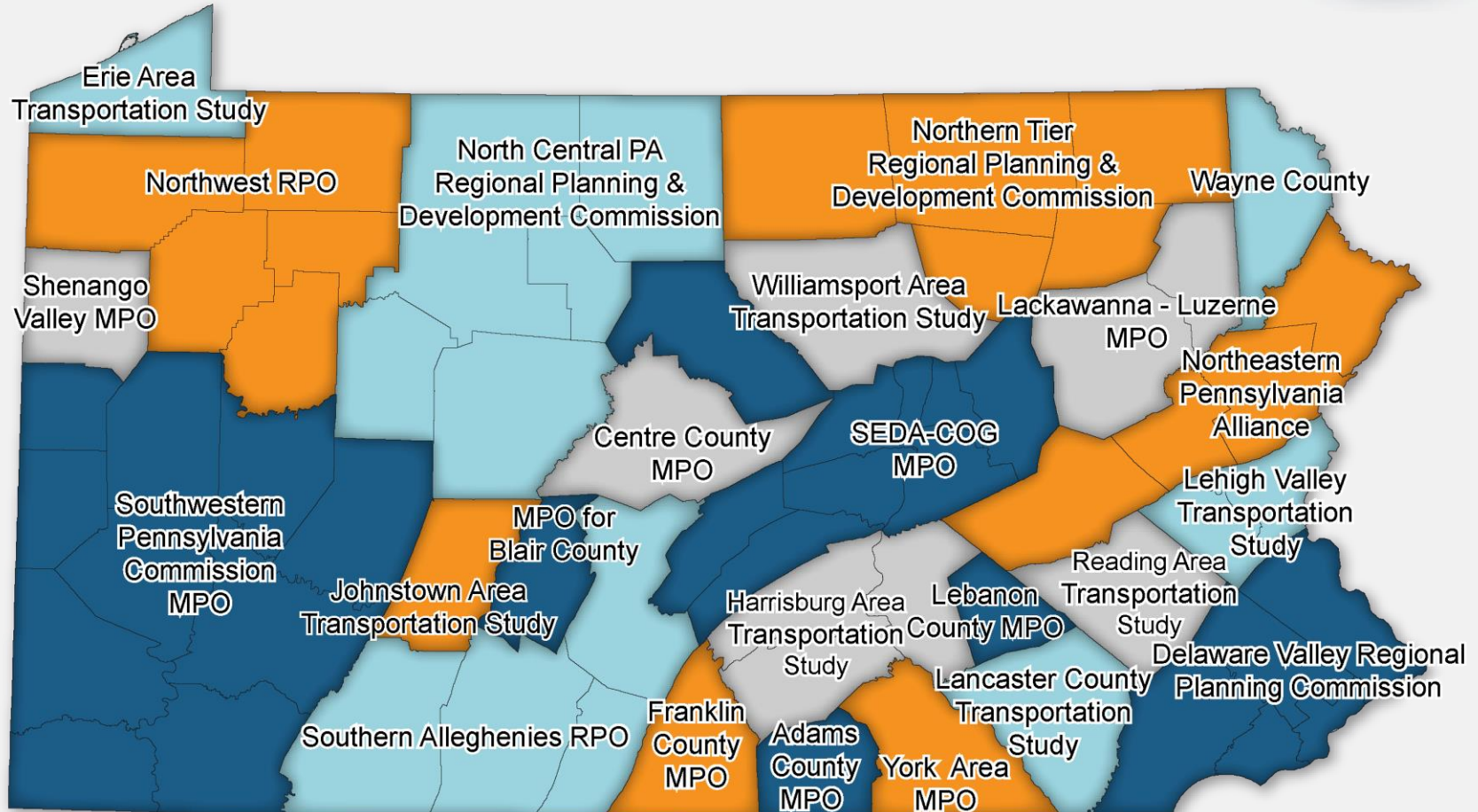


What is the Twelve Year Program?

The **TYP** is a multimodal, fiscally constrained program of transportation improvements spanning a **12-year period**. Multimodal means that the **TYP** includes all travel modes, including highways, bridges, public transit, aviation, rail, freight, and bicycle and pedestrian facilities.



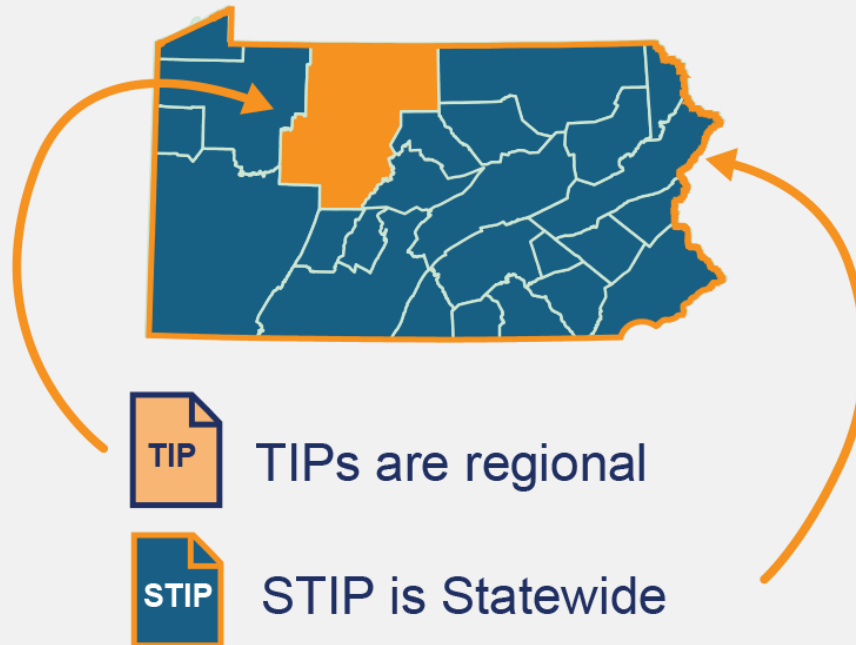
PA Planning Partners



PA's Twelve Year Transportation Program Process



Twelve Year Program in Four-Year Periods



2019 Twelve Year Program Timeline



Public Input Timeline

Invite Input

STC Outreach
Survey & Online
Public Meeting

March

April

Share Feedback

Compile feedback
and share with
Planning Partners

May

June

Prioritize Projects

Incorporate public
feedback into regional
transportation plans

July

December

Adopt
2019
TYP

2017

2018

PA's Twelve Year Transportation Program



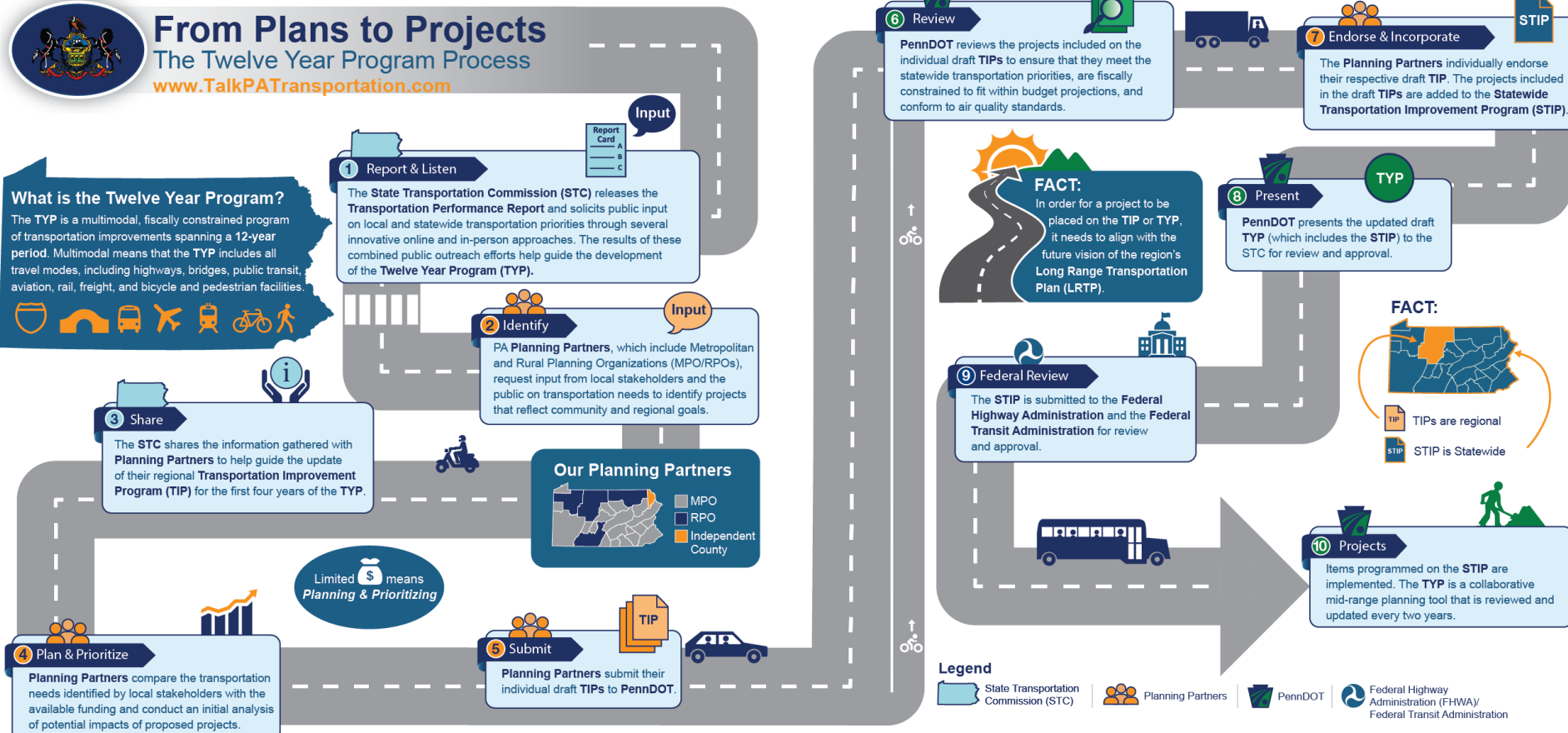
From Plans to Projects

The Twelve Year Program Process

www.TalkPATransportation.com

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From Plans to Projects



1 Report & Listen

The **State Transportation Commission (STC)** releases the *Transportation Performance Report* and solicits public input on local and statewide transportation priorities through several innovative online and in-person approaches. The results of these combined public outreach efforts help guide the development of the **Twelve Year Program (TYP)**.

Report
Card

_____ A

_____ B

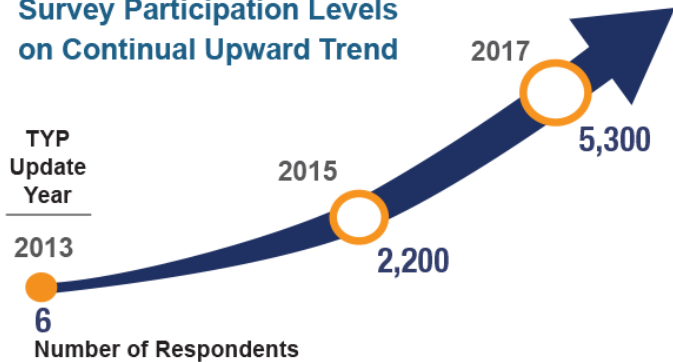
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Input

Connecting with Customers



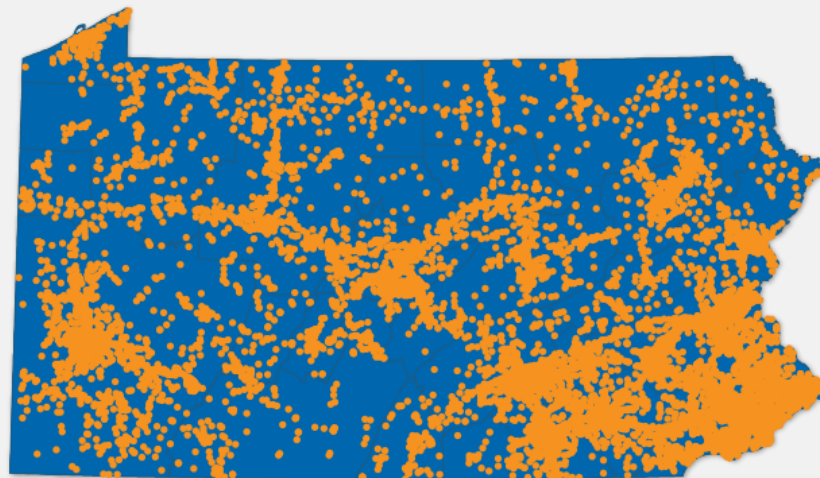
Survey Participation Levels on Continual Upward Trend



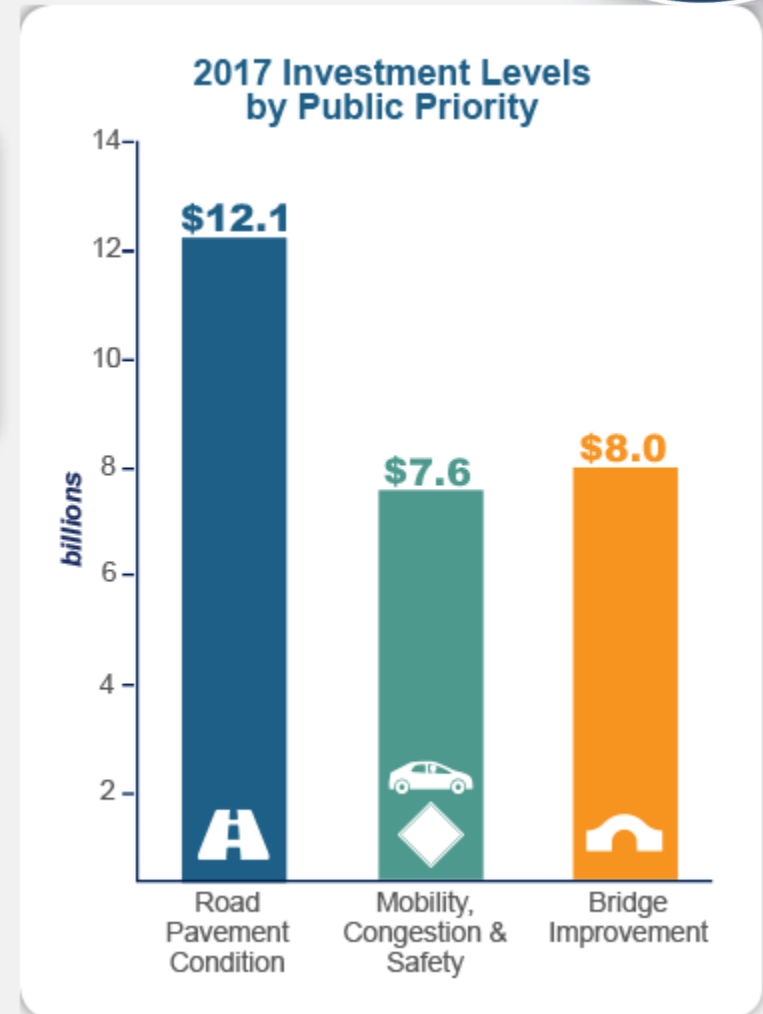
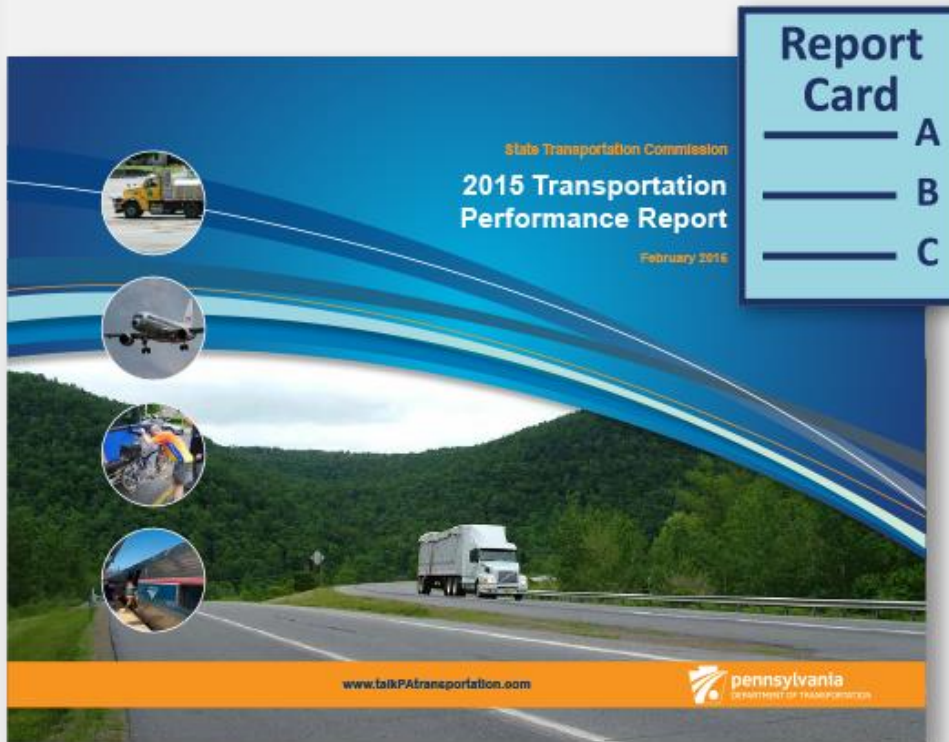
Over 5,300
Customers
Completed Surveys

15,634
Transportation
Issues Identified

130 Participants In
Online Meeting



Customer Priorities and the TYP



From Plans to Projects



2 Identify

Input

PA Planning Partners, which include Metropolitan and Rural Planning Organizations (MPO/RPOs), request input from local stakeholders and the public on transportation needs to identify projects that reflect community and regional goals.

From Plans to Projects



3 Share

The **STC** shares the information gathered with **Planning Partners** to help guide the update of their regional **Transportation Improvement Program (TIP)** for the first four years of the **TYP**.

From Plans to Projects



4 *Plan & Prioritize*

Planning Partners compare the transportation needs identified by local stakeholders with the available funding and conduct an initial analysis of potential impacts of proposed projects.

Financial Guidance Work Group (FGWG)



- Consensus Driven Approach to Collaboratively Allocate Transportation Funding
- FGWG is comprised of MPOs/RPOs, FHWA, and PennDOT staff
- Following the principles established in 1997
 - 65% Bridge: 20% square foot deck area of all bridges > 20' and 80% square foot deck area of structurally deficient bridges > 20'
 - 35% Highway: 16.7% Vehicle Miles Traveled, 33.3% Lane Miles, 33.3% Poor IRI, 16.7% Truck VMT.

Highway/Bridge Funding Allocation



2017-2020 Financial Guidance -- Total FFY 2017-2020

Region	NHPP	STP	State Highway (Capital)	State Bridge	Off System Bridges	HSIP	Highway Freight Program	Rail	CMAQ	TAP	STP-Urban	Total
SPC	519,325	170,496	400,107	200,858	73,396	43,240	0	0	75,436	7,217	132,427	1,622,500
DVRPC	528,774	110,355	299,715	141,071	48,976	53,774	0	0	124,539	15,651	287,208	1,610,064
Lehigh Valley	73,797	28,580	65,460	31,162	13,274	12,651	0	0	20,106	2,631	48,286	295,948
Northwest	99,211	31,054	86,440	33,961	11,760	7,038	0	0	0	0	0	269,463
Reading	87,754	31,310	45,854	42,469	16,665	9,581	0	0	12,781	1,108	20,336	267,858
Scranton/WB	67,932	30,938	62,203	34,220	14,094	11,256	0	0	13,859	1,588	29,138	265,228
Harrisburg	57,010	25,183	63,376	23,870	10,470	11,856	0	0	17,069	1,850	33,948	244,633
NEPA	47,292	40,225	76,547	38,366	17,908	11,538	0	0	6,086	0	0	237,963
SEDA-COG	67,074	28,187	81,033	26,606	10,821	8,876	0	0	0	0	0	222,597
Lancaster	40,108	23,272	52,921	21,349	10,050	10,496	0	0	16,137	1,673	30,704	206,711
N. Central	37,167	30,569	85,329	24,765	11,159	7,066	0	0	2,114	0	0	198,169
N. Tier	25,372	30,141	99,804	20,766	10,123	6,520	0	0	1,819	0	0	194,545
S. Alleghenies	23,792	24,924	72,210	19,274	9,549	6,532	0	0	0	0	0	156,280
York	15,386	15,812	51,176	10,757	5,324	9,175	0	0	13,512	966	17,723	139,832
Erie	13,902	12,735	31,771	10,579	5,122	6,841	0	0	7,263	0	0	88,212
Mercer	13,851	10,178	17,074	10,848	4,847	4,521	0	0	3,019	164	3,015	67,517
Johnstown	16,012	8,406	23,318	7,464	3,396	4,409	0	0	4,463	0	0	67,469
Williamsport	13,369	9,060	26,248	6,578	3,147	4,246	0	0	0	0	0	62,648
Centre County	14,180	6,775	16,360	5,988	2,740	4,203	0	0	3,986	0	0	54,234
Franklin	7,294	6,616	21,613	4,792	2,227	4,617	0	0	3,873	0	0	51,032
Wayne County	0	8,734	27,716	5,928	2,895	2,897	0	0	0	0	0	48,169
Adams	9,185	6,425	17,893	4,735	2,524	3,948	0	0	2,625	0	0	47,334
Lebanon	12,105	5,050	13,476	4,899	1,908	4,444	0	0	4,149	0	0	46,031
Altoona	6,692	6,357	12,705	5,274	2,814	4,364	0	0	3,290	0	0	41,496
Interstate Program	1,269,512	0	144,159	140,191	0	0	209,773	0	0	0	0	1,763,635
Statewide Program	0	0	0	0	0	0	0	27,902	0	72,891	0	100,793
Statewide Reserve	769,035	0	536,400	0	0	140,000	0	0	0	0	0	1,445,435
RBR Regional Share	0	0	30,818	30,818	0	0	0	0	0	0	0	61,636
GRAND TOTAL	3,835,134	701,382	2,461,724	907,589	295,187	394,088	209,773	27,902	336,128	105,740	602,785	9,877,432

2017 Funding



Limited  means
Planning & Prioritizing



2017 Funding Levels



2017-2028 Funding Level Summary (\$ millions)

Program	1st Four Years	2nd Four Years	3rd Four Years	Total
Aviation	\$354	\$354	\$354	\$1,062
Highway/Bridge	\$11,299	\$10,806	\$10,749	\$32,854
Multimodal	\$305	\$304	\$304	\$913
Rail Freight	\$229	\$229	\$229	\$687
Transit	\$8,608	\$8,697	\$9,065	\$26,370
Total	\$20,795	\$20,390	\$20,701	\$61,886

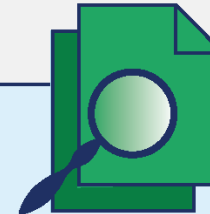
From Plans to Projects



From Plans to Projects



6 Review



PennDOT reviews the projects included on the individual draft **TIPs** to ensure that they meet the statewide transportation priorities, are fiscally constrained to fit within budget projections, and conform to air quality standards.


From Plans to Projects



7 *Endorse & Incorporate*

The **Planning Partners** individually endorse their respective draft **TIP**. The projects included in the draft **TIPs** are added to the **Statewide Transportation Improvement Program (STIP)**.

From Plans to Projects



8 Present

TYP

PennDOT presents the updated draft TYP (which includes the **STIP**) to the STC for review and approval.

From Plans to Projects



9 *Federal Review*

The **STIP** is submitted to the **Federal Highway Administration** and the **Federal Transit Administration** for review and approval.

From Plans to Projects



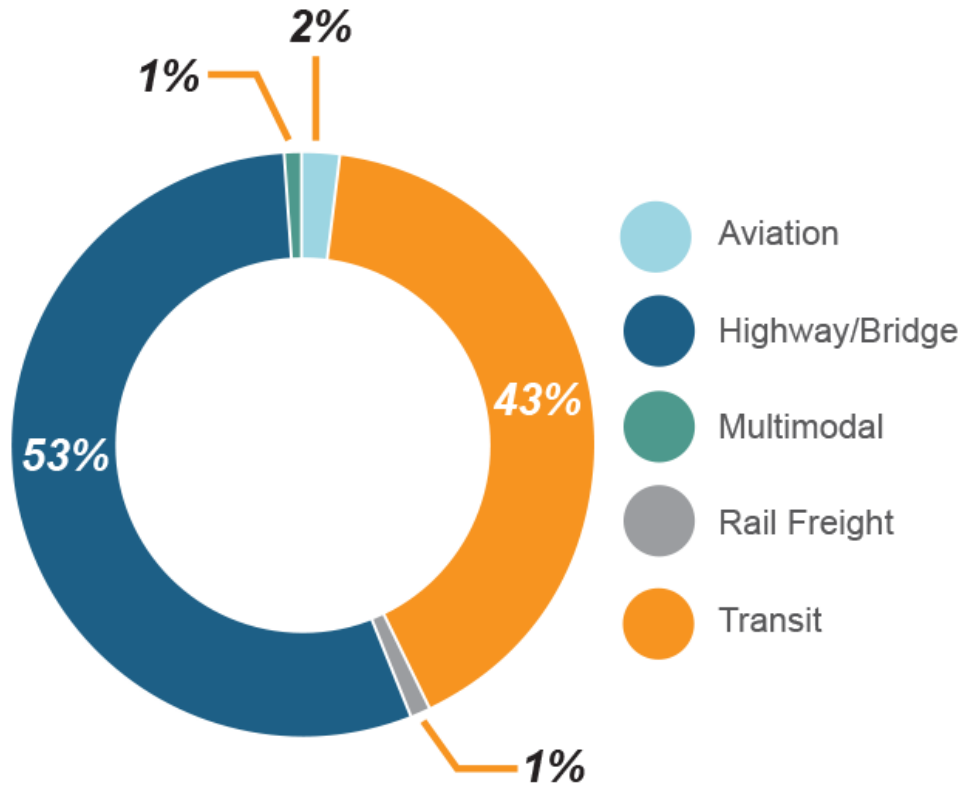
10 Projects

Items programmed on the **STIP** are implemented. The **TYP** is a collaborative mid-range planning tool that is reviewed and updated every two years.

Funding for All Modes



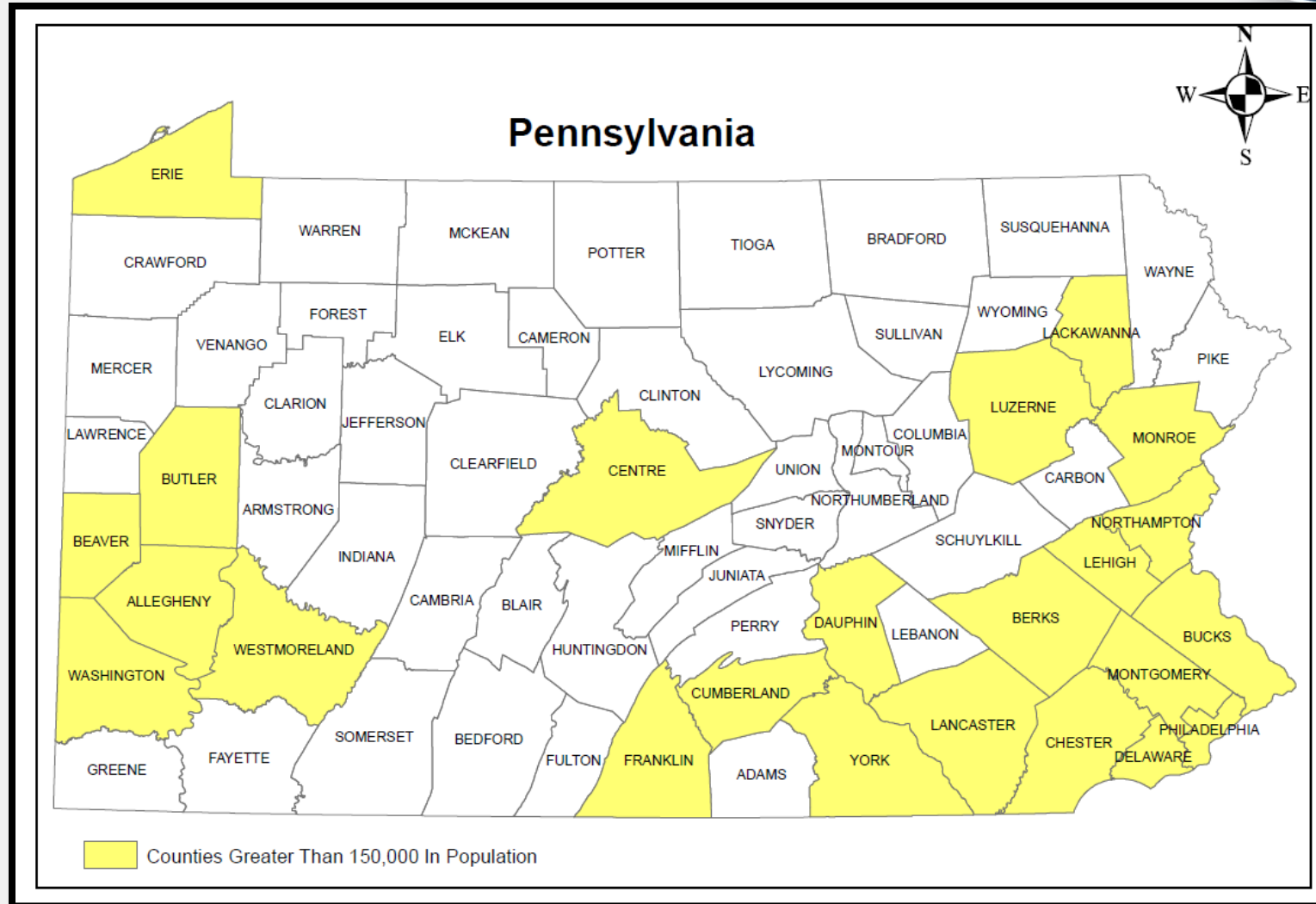
2017 Twelve Year Program Funding For All Transportation Modes



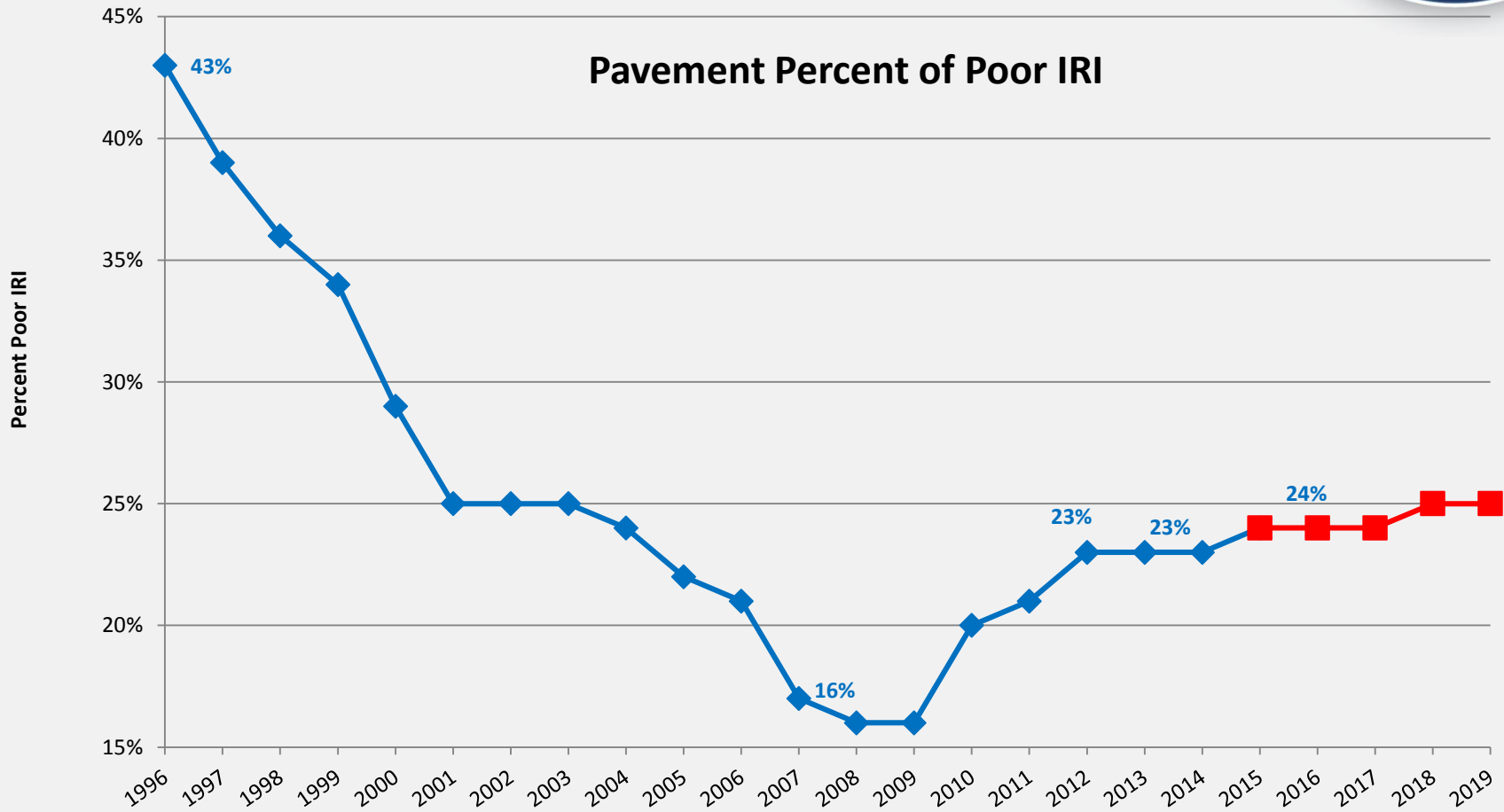
Road (MaP) Initiative



- \$2.1 billion Maintenance and Preservation
 - \$500 million towards Interstate Program
 - \$600 million towards regional needs
 - \$1.0 billion to County Maintenance
 - 23 Urban Counties (\$581 million)
 - 10.1 million population (\$58/capita)
 - 44 Rural Counties (\$441 million)
 - 2.7 million population (\$165/capita)



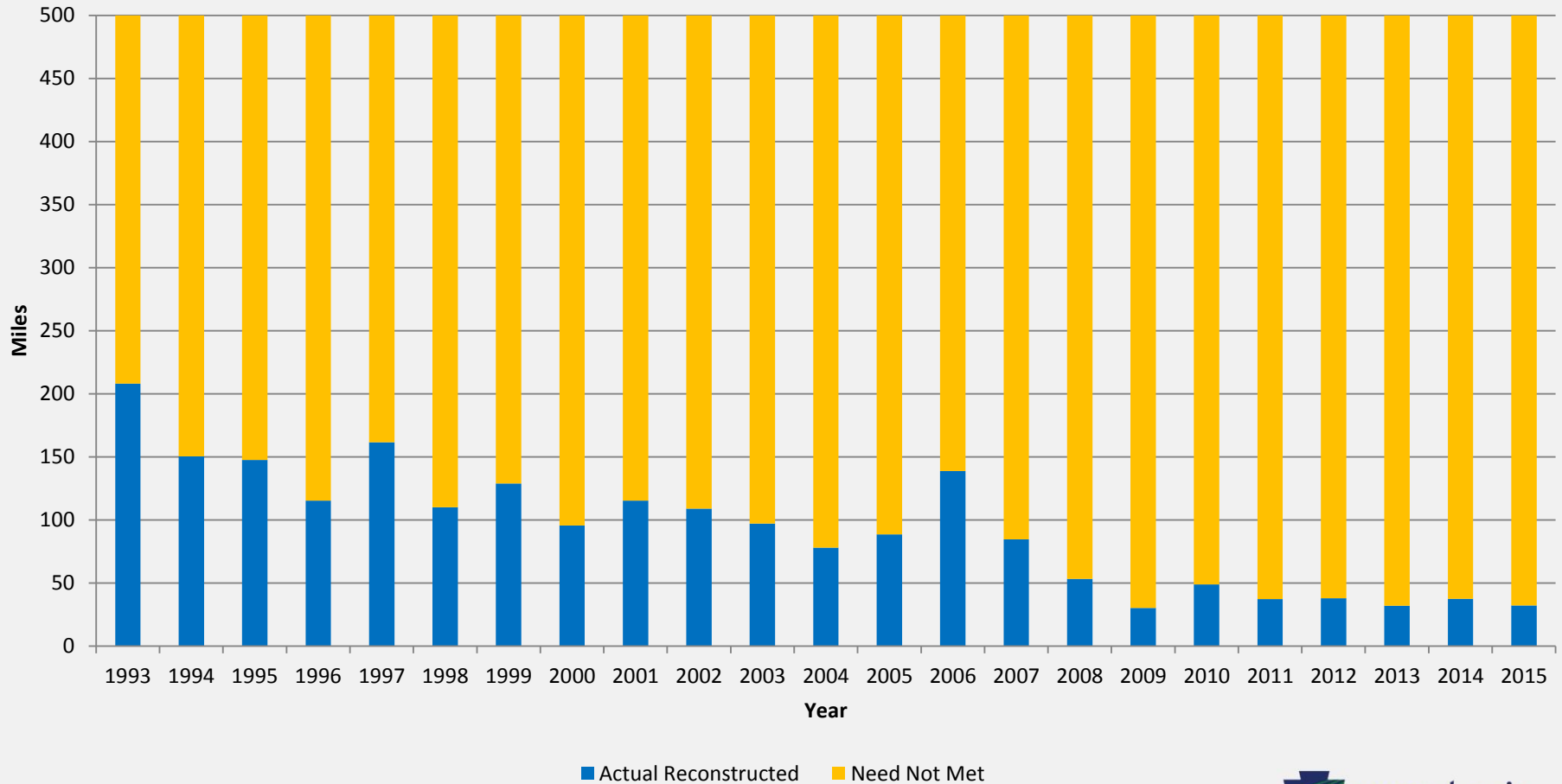
Pavement Condition



Pavement Reconstruction



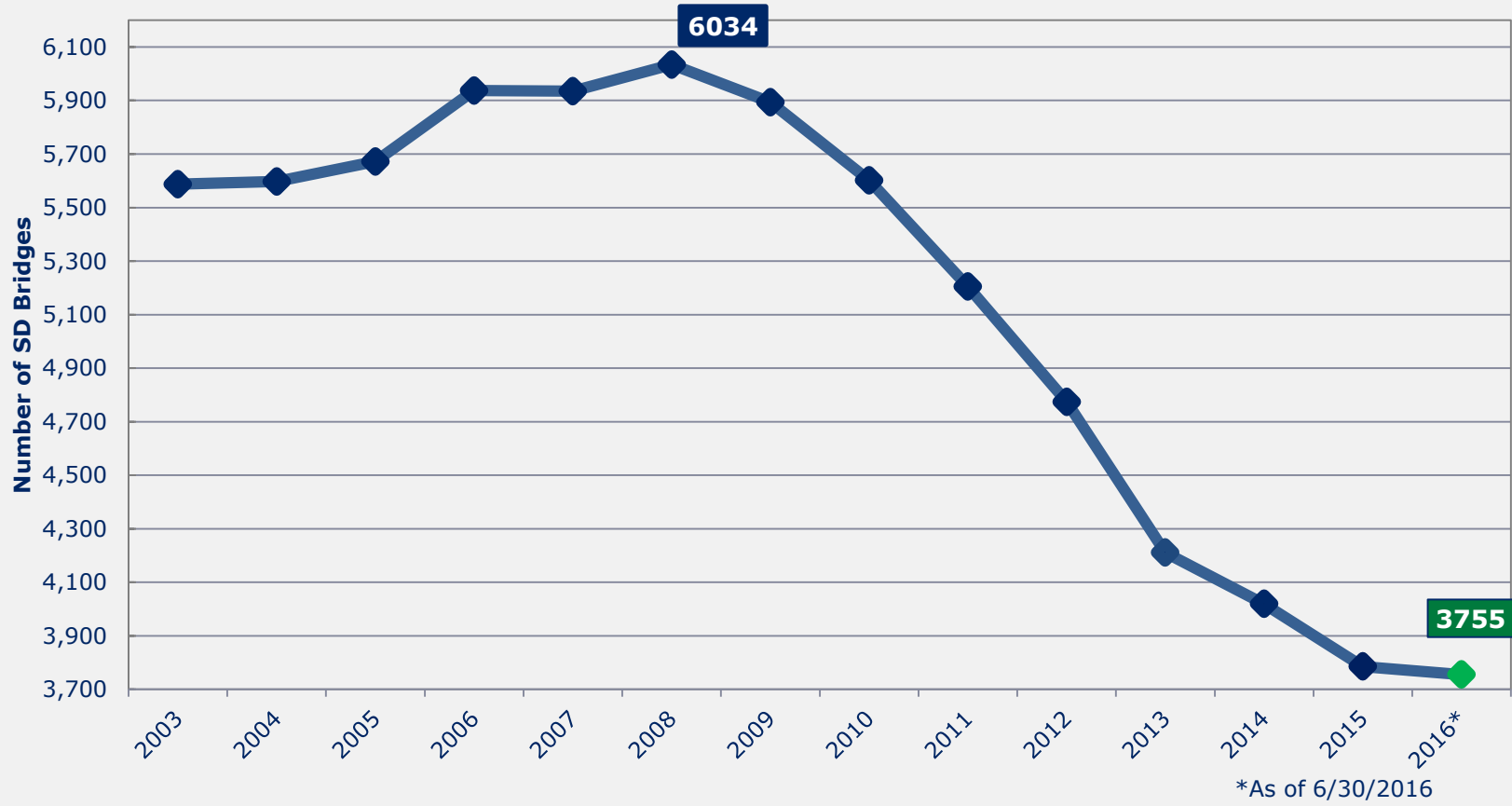
Pavement Reconstruction Deficit Adding to the Backlog



Structurally Deficient Bridges



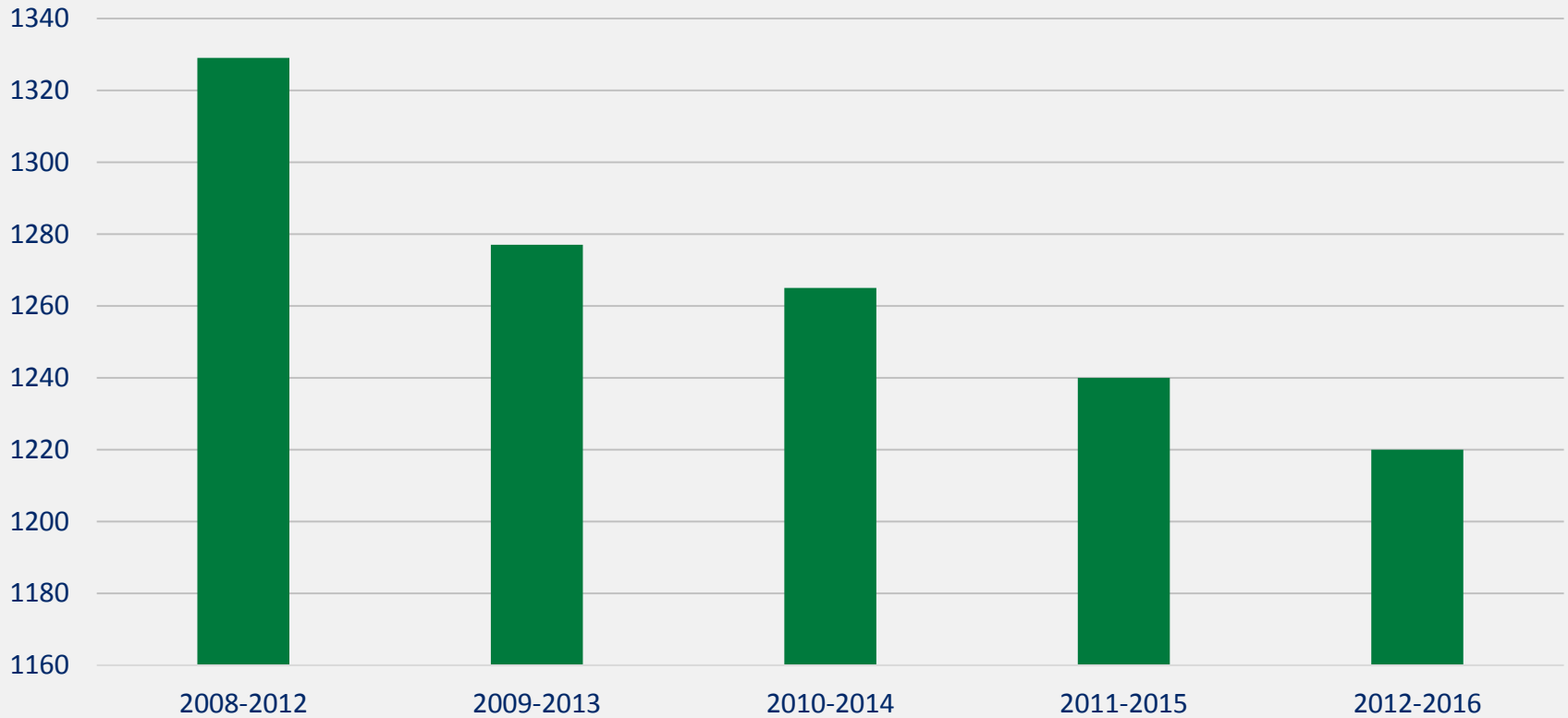
Trends of State Structurally Deficient Bridges



Reducing Fatalities



**Reported Fatalities
(5 year Average)**



Decade of Investment Status



Status	# of Projects	Total Cost
Completed	1,914	\$ 3.8 billion
Underway	844	\$ 5.2 billion
Four Year Plan	1,773	\$12.7 billion
Twelve Year Plan	2,361	\$ 5.4 billion
Under Development	1,803	\$ 3.8 billion

Status as of April 13, 2017

Additional Projects Requested



Title	County	Improvement Type	Cost (estimated)	Description
I-81 Widening	Various	Widening	\$2.7 Billion	Widening and Reconstruction of I-81 from Maryland line to I-78
US 219	Somerset	New Roadway	\$250 Million	5.5 miles of new four-lane, limited access highway extending North from Maryland State Line to Meyersdale

Additional Projects Requested



Title	County	Improvement Type	Cost (estimated)	Description
I-79 Reconstruction	Butler	Reconstruction	\$247 Million	Reconstruction of I-79 from Allegheny County to Lawrence County
I-80 Bellefonte Interchange	Centre	Interchange	\$164 Million	High speed interchange connecting I-80 & I-99
I-70 Reconstruction	Washington	Reconstruction	\$124 Million	Reconstruction of I-70 from PA 519 to Bentleyville
I-376 Reconstruction	Allegheny	Reconstruction	\$62 Million	Reconstruction of I-376 from Ft. Pitt Bridge to Bates Street

Additional Projects Requested



Title	County	Improvement Type	Cost (estimated)	Description
PA 26/I-80 Interchange	Centre	New Interchange	\$50.3 Million	New interchange to provide local access to PA 26
I-81 Bridges	Luzerne	Bridge Replacement	\$50 Million	Bridge Replacements (8) on I-81



Potential Future Funding Opportunities

USDOT FASTLANE Grants



- Criteria:
 - Improve freight access, mobility, intermodal access and transfers
 - Project Readiness: expected to begin construction within 18 months of funds obligation

Projects Submitted



- I-476/I-95 Managed Shoulders/Active Traffic Management
 - Requested \$4.8 million (design)
 - District/Regional Full Project Funding Commitment of \$56 million
- I-376 Banksville/Greentree/Carnegie Interchanges
 - Requested \$86.7 million
 - District/Region Full Project Funding Commitment of \$145 million

National Infrastructure Program



- No criteria issued but “shovel ready”
- New revenue vs payback
- May be 2017 legislation