



Macroeconomic Analysis

2019-2023 FDOT Work Program

August 2020

FLORIDA
Transportation Plan

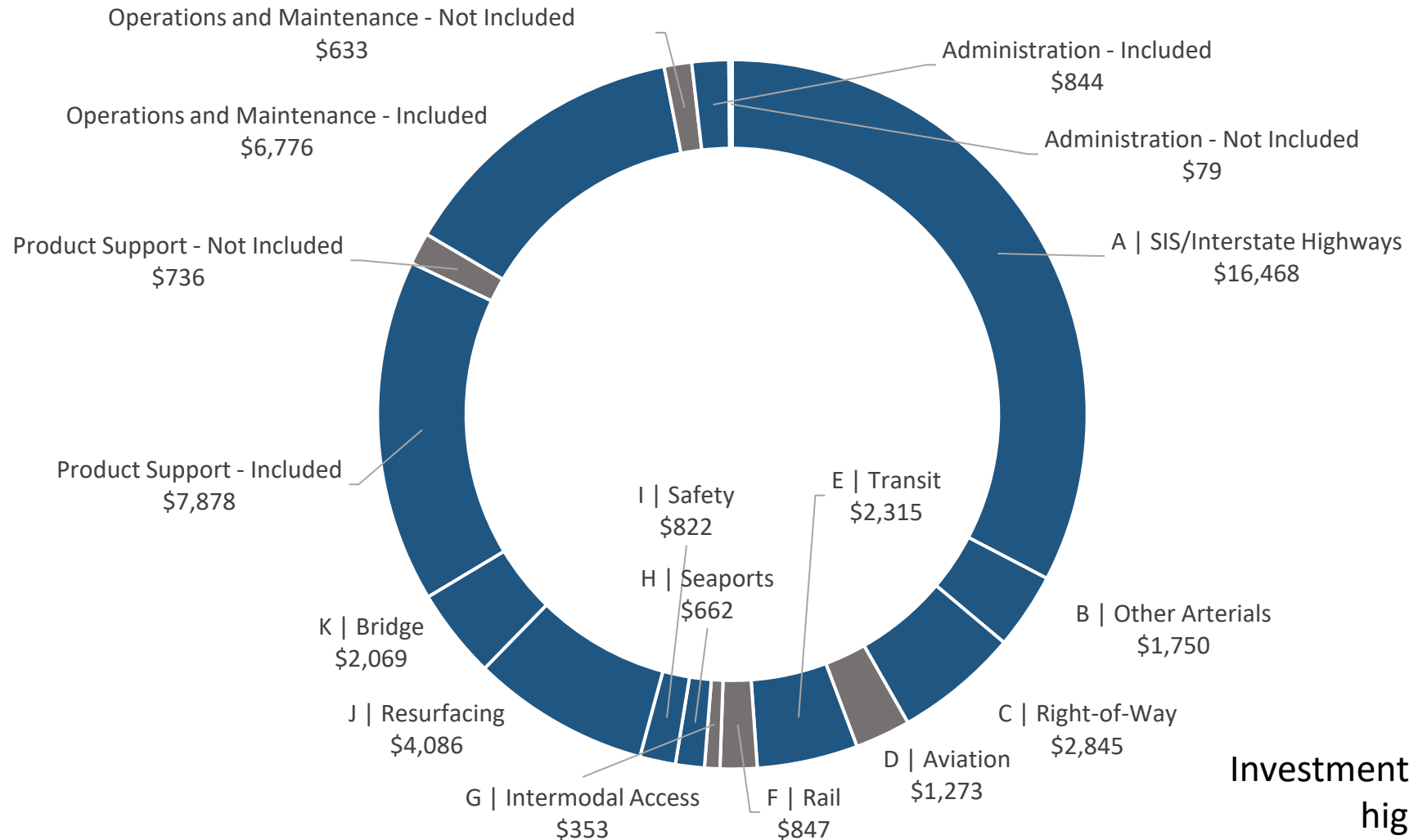


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Purpose

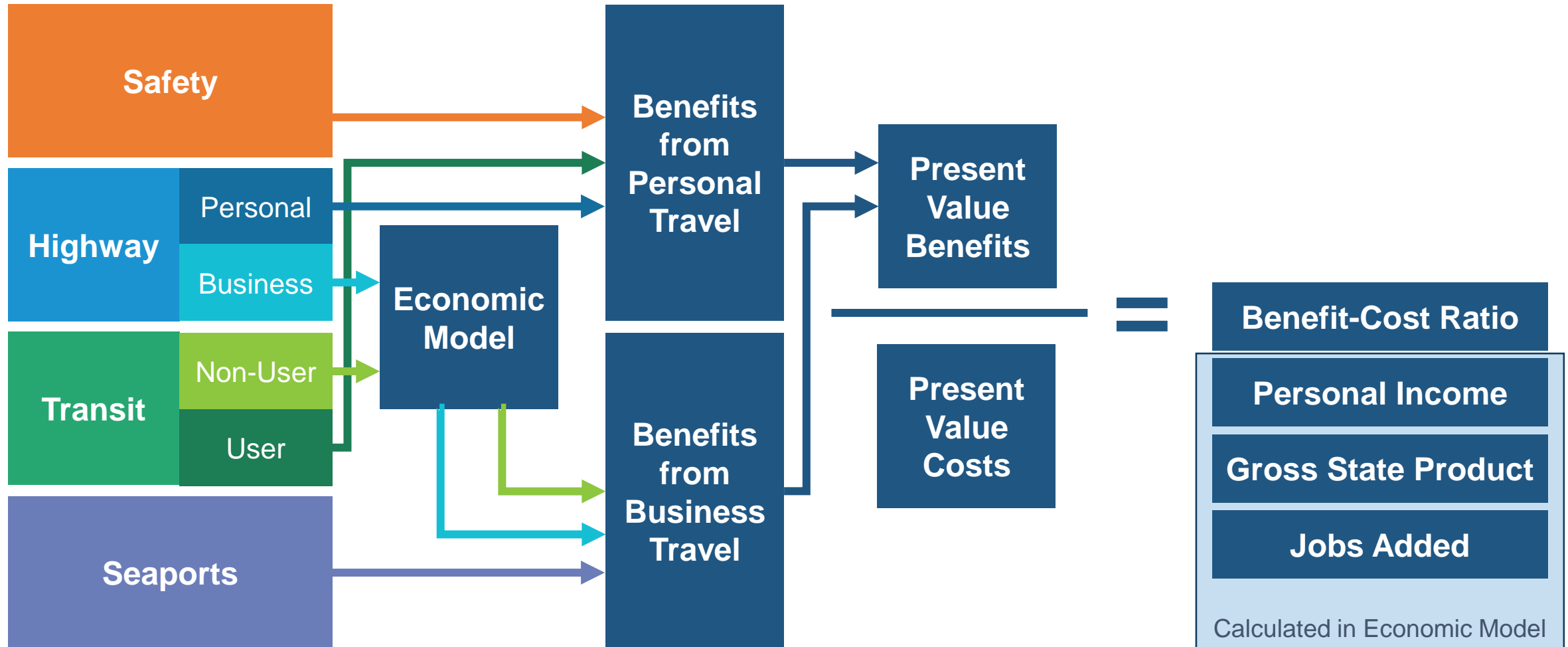
- S 334.046 (4) (b), F.S. requires FDOT to develop a macroeconomic analysis of the linkages between transportation investment and economic performance
 - Including a method to quantifiably measure the economic benefits of work program investments
- 2020 analysis builds on two decades of prior work
 - Similar studies conducted in 2003, 2006, 2009, 2015
 - Studies have gradually included more of the Work Program

2019-2023 Work Program



Investments in the analysis highlighted in blue

Methodology Diagram



Benefit-Cost Summary

2018 dollars, 2019-2048, present value in 2020 at 4% discount rate

Present value of personal user benefits	\$86 billion
Present value of economic benefits	\$78 billion
Total present value benefits	\$164 billion
Present value of work program budget (costs)	\$41 billion
Estimated benefit-cost ratio (BCR)	4.0

Annual Benefits

	2022	2032	2042	Overall
Personal Income (2018\$B)	\$3.10	\$4.24	\$5.08	\$72
Gross State Product (2018\$B)	\$2.95	\$3.49	\$4.04	\$61
Output (2018\$B)	\$4.79	\$5.63	\$6.70	\$99
Employment	32,582	33,037	33,096	30,901

Note: The overall employment is an average for 2019-2048. The others are present value total.

Discussion

- Benefit-cost ratio declined from 4.4 in 2015 to 4.0 in 2020
- Positive impacts on jobs, personal income, and gross state product
- Analysis largely completed pre-COVID-19



2020 Florida Macroeconomic Analysis

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