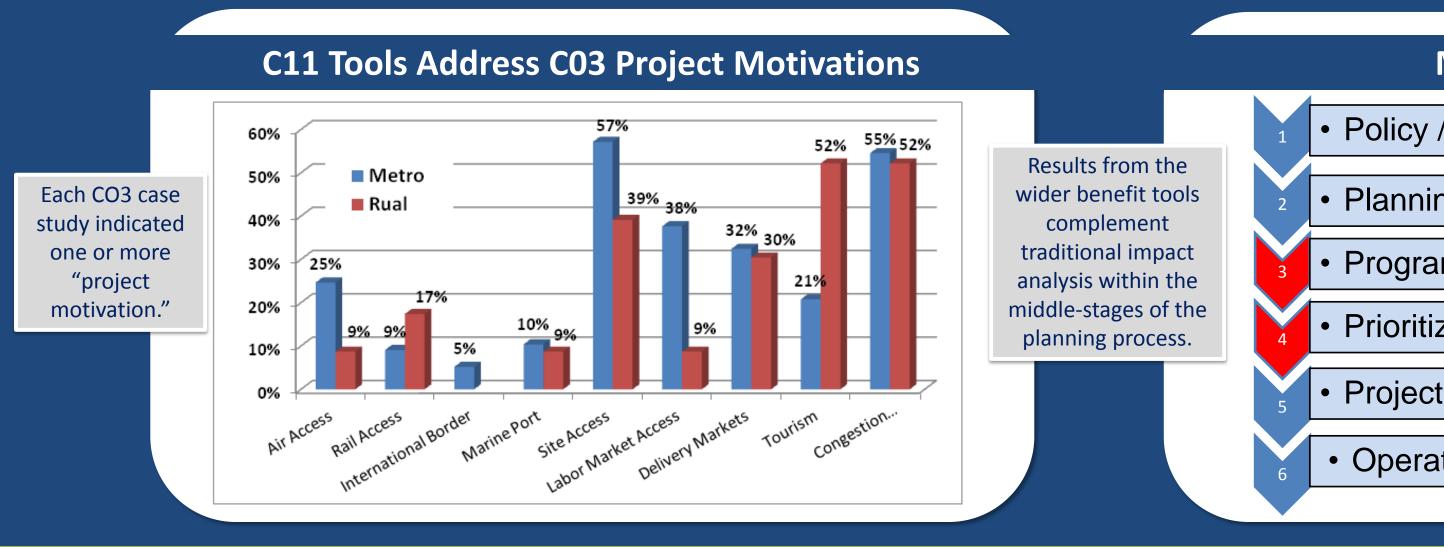
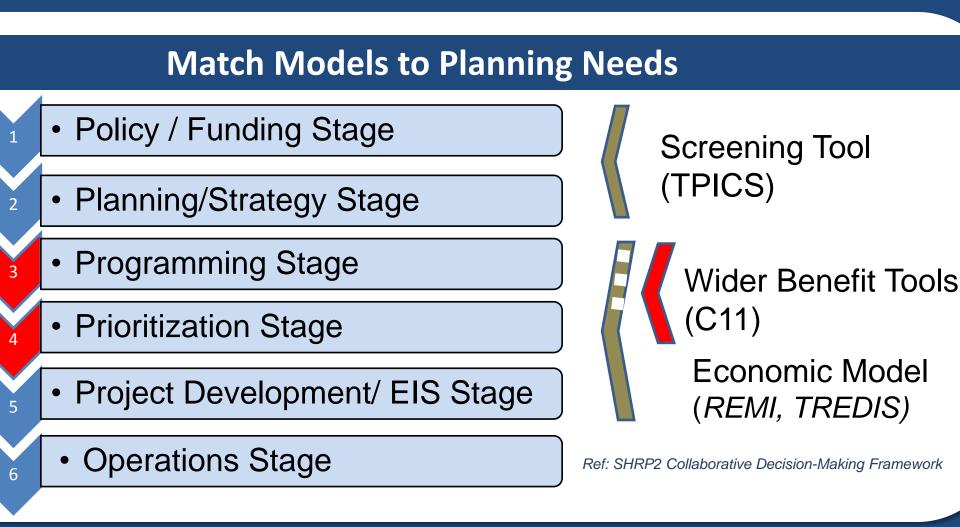
Tool Demonstration

Applying C11 tools to TPICS cases

Three TPICS case studies with project motivations related to Accessibility, Reliability, or Connectivity were selected and SHRP C11 tools were applied to estimate Wider Economic Benefits.

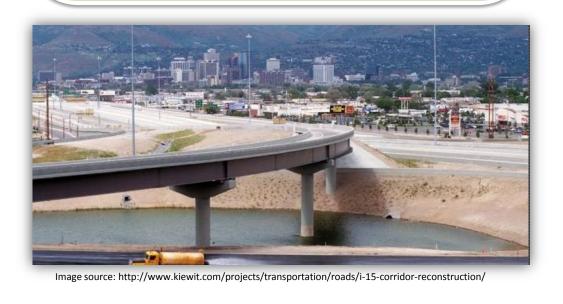




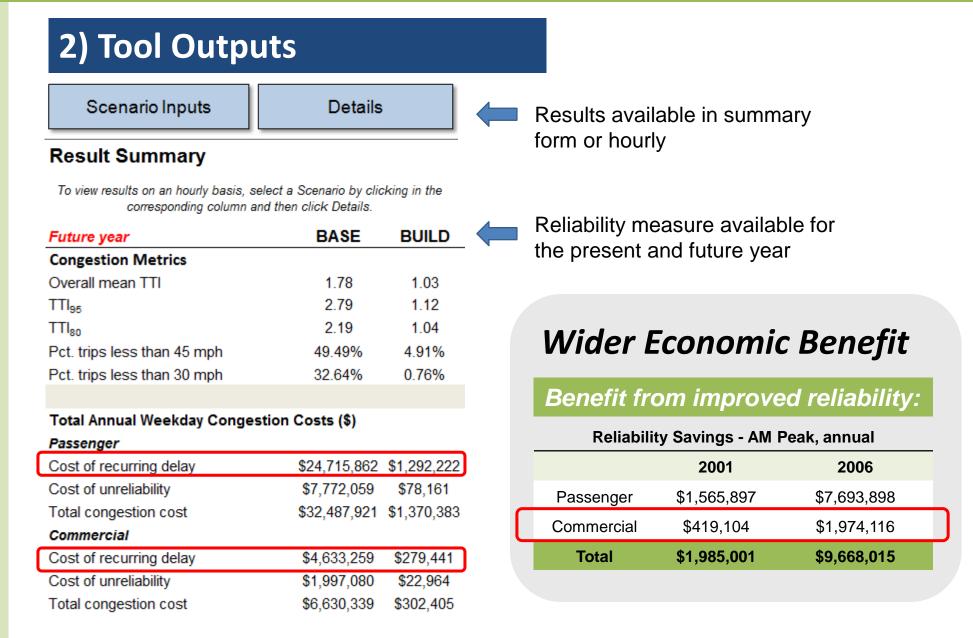
I-15 Widening: Improved RELIABILITY in Salt Lake City, UT

Project Overview

The \$1.5 billion I-15 **Reconstruction Project involved** the rebuilding and widening of a deteriorated, congested 17 mile stretch of Interstate 15, running through Salt Lake City.



L) Tool <u>In</u> pu				
	BASE	BUILD	_	
Time horizon	5 years	5 years		
Analysis period	6:00 AM to 9:00 AM	6:00 AM to 9:00 AM		Select time of day (AM peak, Midday,
Highway type	Freeway	Freeway		PM peak, all day)
Beg. Milepoint	0	0		
End Milepoint	17	17		Interstate widening to expand capacity
# lanes- one way	3	5		
Free flow speed	65	65		
Current AADT	155,994	155,994		2001 AADT (end of
Estimated annual growth rate	2.97%	2.97%		construction) 1991-2001 historic
Percent trucks	9%	9%		growth rate
Peak Capacity	6300	10500		

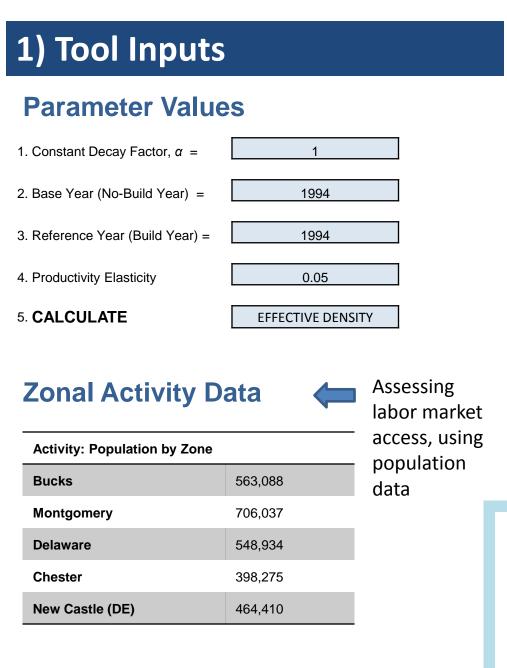


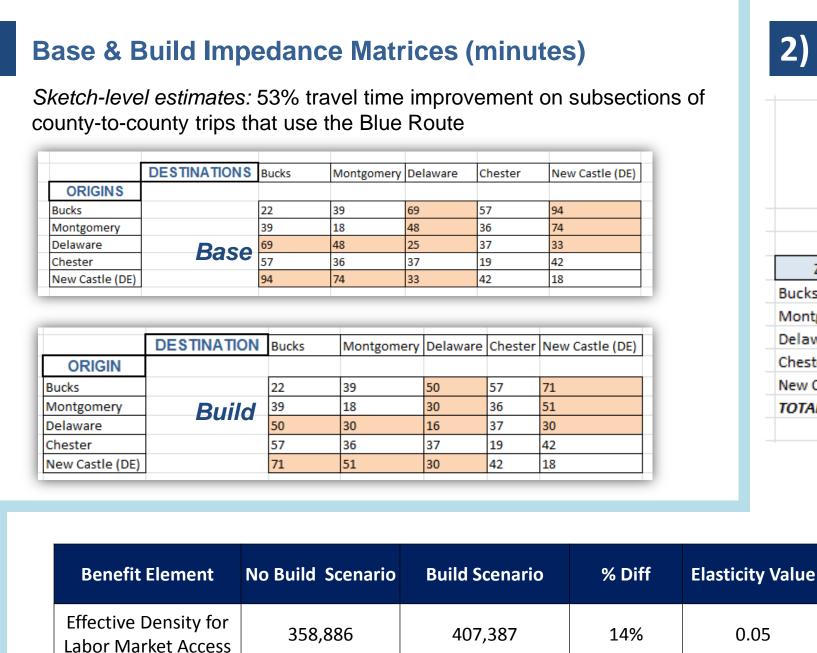
I-476 Blue Route – Improved LABOR MARKET ACCESS in the Philadelphia Metro Area

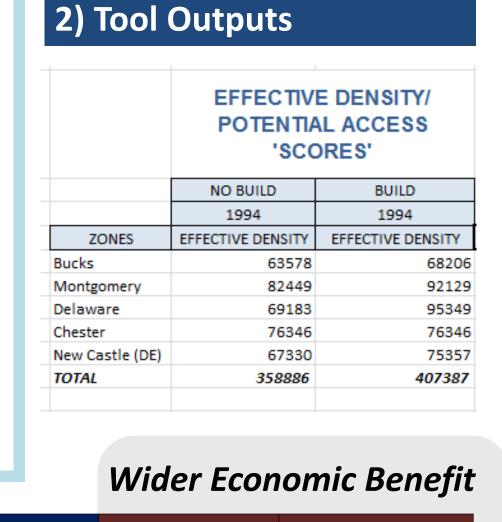
Project Overview

Between 1964 and 1992, 21.5 miles of Interstate 476, known as the Blue Route, was completed between Interstate 95 in the south and the Pennsylvania Turnpike in the north.

The Blue Route opened up substantial labor markets within the greater Philadelphia region, improving access between Bucks, Montgomery, Delaware, Chester and New Castle Counties.







% Change in GDP (% Value of Total Benefit

(annual)

\$726,118,430

Diff x Elasticity Value)

0.68%

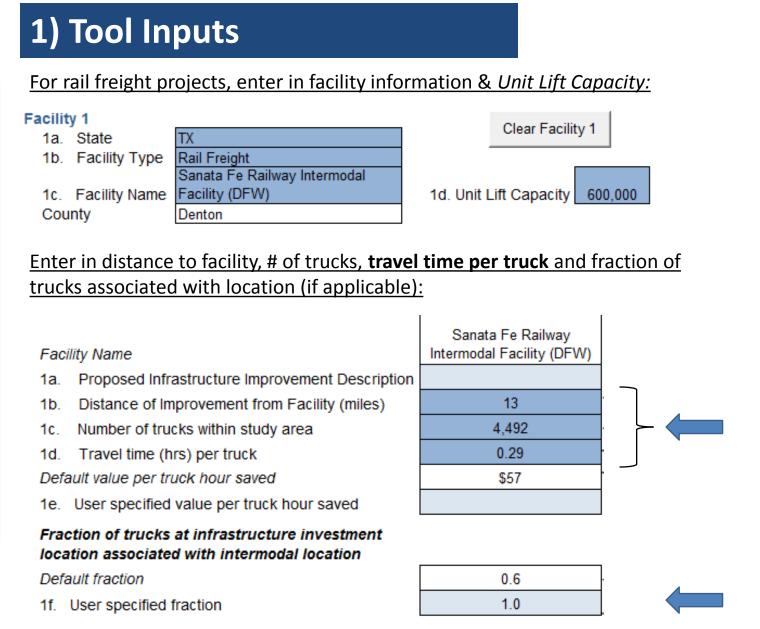
0.05

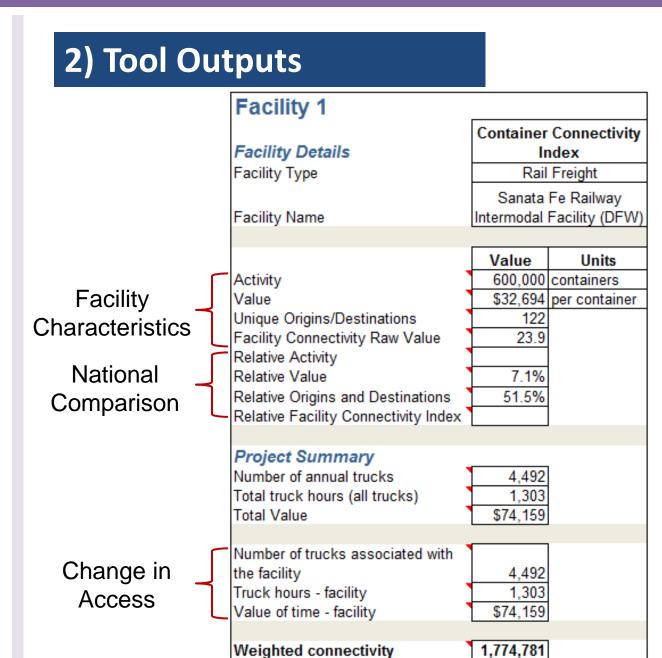
Logistics Park, Alliance Texas – Improving ACCESS TO AN INTERMODAL TERMINAL

Project Overview

The Alliance Global Logistics Hub is a multi-modal logistics parks that combines rail, trucking, and air freight facilities.

The Logistics Park is part of a 17,000 acre mixed-use, master planned development in the far northwest suburbs of the Dallas-Fort Worth area. Development has surged next to SH-170 which provides improved access to the facility.





Wider Economic Benefit

Weighted Connectivity				
Base	1,774,781			
Project	1,285,186			
% Improvement	28%			
Elasticity	0.005			
% Change GDP	0.138%			
Productivity Benefit	\$58,719,653			