

Weighted Useful Life Calculation

- **Weighted Useful life of each component of the project = component's useful life x component's cost**
- **Average weighted useful life of total project = sum of weighted useful lives of all project components/ sum of total estimated project cost.**

Calculation:

Walnut Street Improvement Phase 3

Weighted useful life of each component:

Component:	Useful Life	x Estimated Cost	=	Weighted Useful Life
Water Line Const.	50 years	\$50,264.00		\$2,513,200.00 dollar-years
Sanitary Sewer Const.	40 years	\$43,640.00		\$1,745,600.00 dollar-years
Storm Sewer Const.	40 years	\$33,988.00		\$1,359,520.00 dollar-years
Street Reconst	35 years	\$93,168.00		\$3,260,880.00 dollar-years
Resurfacing	10 years	\$39,150.00		\$391,500.00 dollar-years
Sidewalk	30 years	\$22,456.00		\$673,680.00 dollar-years
		\$260,210.00		\$9,944,380.00 dollar-years

Average weighted useful life: \$9,944,380.00 / \$260,210.00 = **38.22 years**

I hereby certify this weighted useful life calculation to be reasonable and accurate to the best of my knowledge and based upon current industry practices for such a calculation.

 Joe Smith PE, PS
 Joe Smith Engineering

 Date

SEAL