

10 Year Capital Plan



An Infrastructure Plan
For a Sustainable City

10 Year Capital Plan:

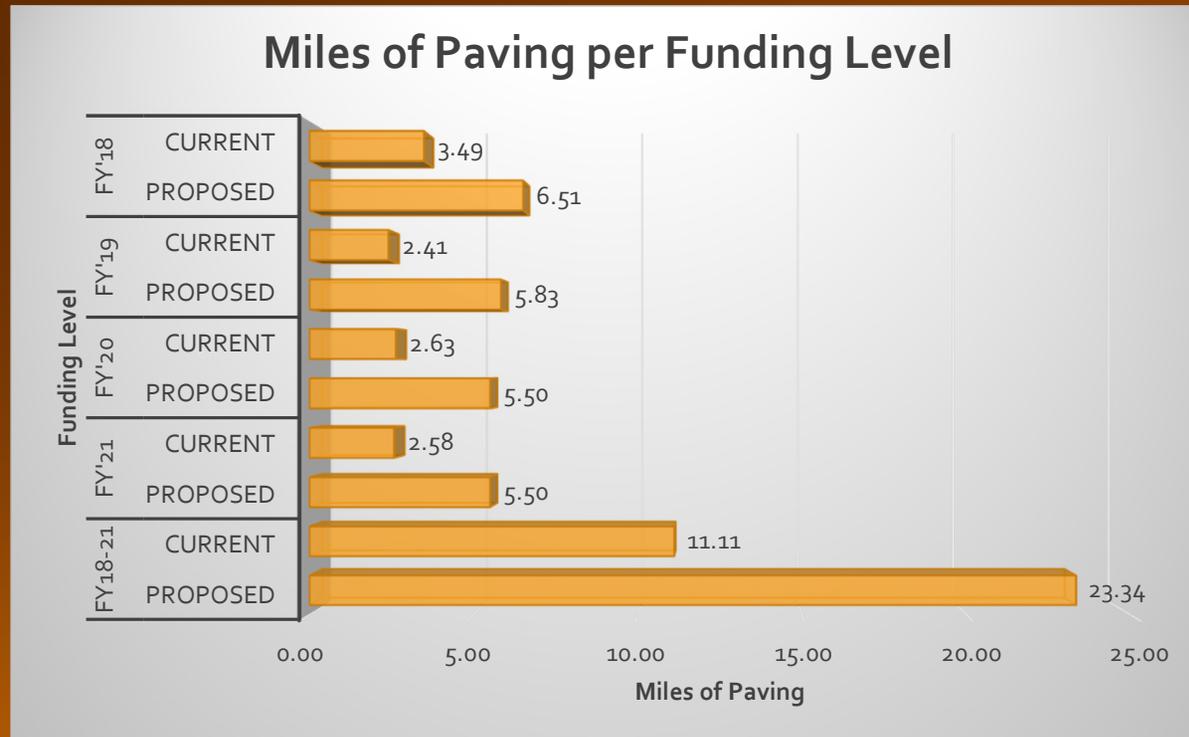
- “The foundation of a vibrant city life rests on well-maintained capital infrastructure”
- Our City has assets valued at over \$500M
- DPW Mission: We steward Burlington’s infrastructure and environment by delivering efficient, effective and equitable public services
- Embarked on a 2-3 Year Process
- Engaged departments and funds across the City
- Assessments completed and/or underway
- Significant need: \$165M over next 5 years for GF assets, including \$47M of new revenue – additional needs for Water Resources and Traffic
- Rough draft presented to DPW Commission April 2015
- Presented updated 10 Year Plan at July 2016 meeting

Question #1

Approval of General Obligation Bonds for City Capital Projects

Shall the City Council be authorized to issue general obligation bonds or notes in one or more series not to exceed **\$27,573,508.00** to be borrowed in increments between Fiscal Year 2017 and Fiscal Year 2021 for the purpose of funding capital improvement infrastructure projects of the City and its departments in furtherance of the City's 10 year capital plan?

Roadway – total 95 miles – with 23 miles in poor to severe condition





Before



After



Sidewalks – 130 miles total, 22 miles in severe condition





Bike Path Before and After



FY'17-21 Capital Needs:

- Fleet \$ 785,888
 - Fire Trucks \$ 3,357,325
 - Streets/curbs/sidewalks \$16,727,352
 - Bike Path \$12,119,001
 - IT Infrastructure \$ 1,675,000
 - City Hall Park \$ 3,030,000
 - Civic buildings \$ 4,950,575
-
- **Total Capital Shortfall \$42,645,141**

Funding sources

General Fund	Streets/Sidewalks	Vehicle Fleet	Bike Path	City Hall Park	IT	Civic Buildings	Total
Traffic Fund	\$250,000						250,000
Gross Receipts			\$7,670,425	\$1,000,000			\$8,670,425
Institutions	\$2,085,320	\$785,888	\$750,000	\$500,000			\$4,121,208
Philanthropy			\$1,000,000	\$1,030,000			\$2,030,000
Bond Proceeds	\$14,392,032	\$3,357,325	\$2,698,576	\$500,000	\$1,675,000	\$4,950,575	\$27,573,508
Total	\$16,727,352	\$4,143,213	\$12,119,001	\$3,030,000	\$1,675,000	\$4,950,575	\$42,645,141

Question #2

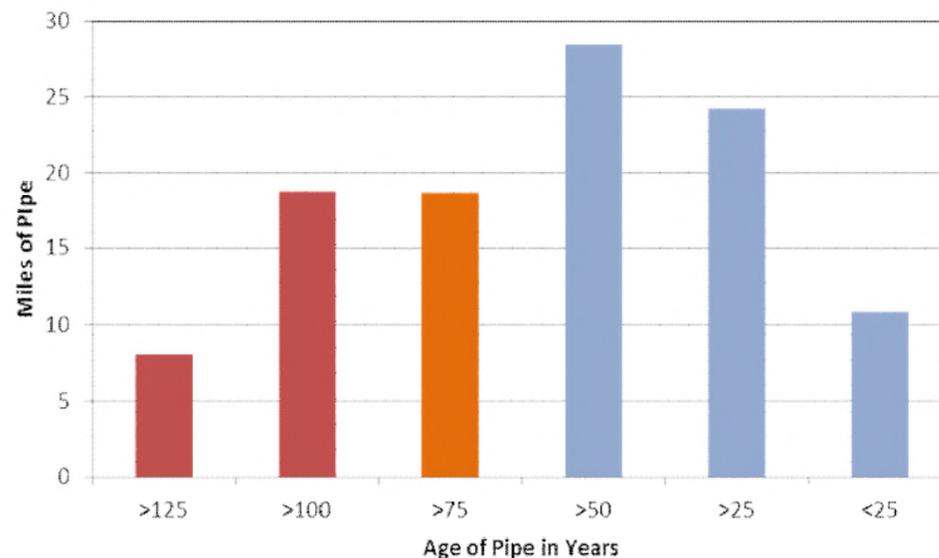
- Authority to Issue Revenue Bonds for Water System Improvements
- Shall City Council be authorized to issue revenue bonds or notes in one or more series on behalf of the Water Resources Division of the Department of Public Works in an amount not to exceed \$8,344,000, secured by the revenues of the waterworks system, to be borrowed in increments between Fiscal Year 2017 and Fiscal Year 2020 for the financing of capital additions and improvements to the waterworks system?

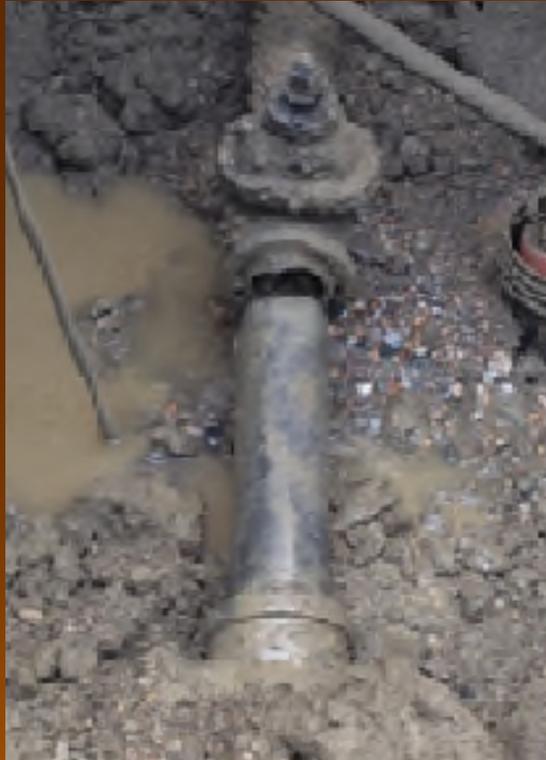
The system of water mains or pipes (distribution system) that delivers water from our water treatment plant to Burlington properties is very old and our current capital funding is not sufficient to address our near term (next 25 years) infrastructure deficit.

- The useful life of metal water pipes is 75-100 years depending on installation and soil conditions.
- An estimated 42% of our public water pipes are older than 75 years old, with almost 25% over 100
- To get on an average 88 year replacement schedule, we need to be spending ~\$2.3 M annually for the next 25 years
- FY 17 proposed distribution capital is \$1.262K total (including \$362K of Council Authorized Bonding)
- Not having sufficient funding means more instances of discolored water, reductions in fire protection flow and service disruptions due to main breaks which also impact our road surface system.



Water Main Length vs Age





Burlington Public Works: By the Numbers

- 95 miles of roadway
- 127 miles of sidewalk
- 75 signalized intersections
- 1 water plant
- 110 miles of water mains
- 3 Wastewater Treatment Plants
- 49 miles of sanitary sewer
- 45 miles of combined sanitary / storm sewer
- 37 miles of storm sewer
- 25 pump stations
- 102 storm water outfalls
- 2,000+ catch basins
- 900 fire hydrants
- 12,000 residential units served by recycling service



Burlington Public Works: By the Numbers (cont.)

- **1,053** parking meters, **3** parking garages
- **300** city vehicles serviced and maintained
- **2** post-closure landfills
- **1** methane powered generating station
- **33** crossing guards
- **6,358** building, electrical, plumbing permit apps / year
- **541** excavation, obstruction permits / year
- **76** traffic requests received / year
- **2,547** requests for service / year ... and growing
- **3,500** tons of salt / year
- **3** fuels supplied at fueling station
- **1,014** crosswalks, stop bars & turn arrows maintained
- **\$9M+** of capital projects completed each year
- **1** great team that makes it all happen

