

2017-2021 Capital Improvement Plan

Public Works Committee

May 17, 2016

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CIP “Defined”

- Planning document for major public infrastructure
- Anticipated improvements over next 5 years – “list of projects”
- Updated annually
- Financial/budget component – financially constrained
- Costs included in 1st year of plan become fiscal year capital budget
- Adopted by Planning Commission as part of the Comprehensive Plan and to meet statutory requirements for public hearings for location, extent and nature of projects
- Adopted by City Council resolution in accordance with City Charter

Total Costs Included in CIP

Current FY2016-2020 CIP	\$284,700,000
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Proposed FY2017-2021 CIP	\$303,968,000
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Major Dedicated Funding Sources

- Capital Improvements Sales Tax approved by voters (2007)
 - Bailey Rd., Hook Rd., Chipman Rd., Lee's Summit Rd., Jefferson St.
- G.O. Bonds approved by voters
 - Stormwater, Tudor Rd., Orchard St., Downtown Cultural Arts Facilities, Legacy Amphitheater Improvements

- Water & Sewer Tap Fees & Rates
 - Water & Sanitary Sewer Line Rehab
 - Sanitary Sewer Evaluation & I/I Rehab
 - Water Supply Improvements
 - WU Operations Facility
- Parks & Rec Sales Tax & User Fees
- Road & Bridge Sales Tax
 - Annual Pavement Management Program
 - Misc. road, traffic signal, bridge projects

- State & Federal Grants
 - Lee's Summit Rd.
 - Airport
 - Cedar Creek Sanitary Sewer Interceptor
 - Blackwell/US 50 Interchange
 - Murray Road Bridge
- TIFF/TDD
 - Blackwell/US 50 Interchange

Completed Projects

- Bridge, Street & Signal
 - Bailey Road, M-291 to Hamblen Road
 - Orchard Street – Douglas to Independence
 - Second Street Corridor Improvements
 - Strother Road – Independence to Lee's Summit Road
- Parks & Recreation
 - Sprayground Sites
 - Legacy Park Amphitheater Improvements
 - Lowenstein Trail Renovations
 - Miller J Field Park Renovation

Completed Projects

- Water Utilities
 - Cedar Creek Interceptor Improvements Phase II
 - Scruggs Road Pump Station EFHB
 - Water Main Rehabilitation FY14
 - Water Supply Improvements


New Projects

- **Airport**
 - Rehabilitate Airfield Lighting Runway 11/29 and Taxiway Bravo
 - Rehabilitate Hangar Taxiways Charlie and Delta
 - Update Airport Master and Business Plan
 - West Apron Shade Ports
- **Bridge, Street & Signal**
 - Arterial Curb Replacement
 - Blackwell Road Livability Improvements
 - Jefferson Street – Persels Road to Oldham Parkway
 - Commerce Drive – Tudor Road to Main Street
 - Fifth Street – Country Lane to Greenridge Drive
 - Gateway Drive – Delta School Road to Georgian Drive

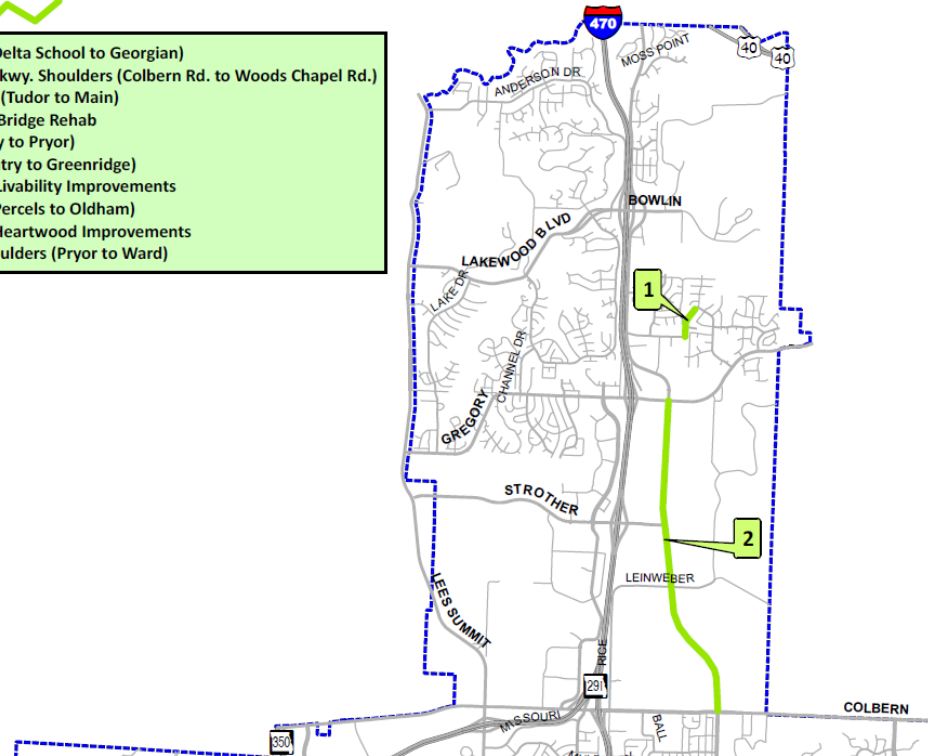
New Projects

- Bridge, Street & Signal
 - Hook Road Shoulders
 - Langsford Road Bridge Rehabilitation
 - Scherer Road and Heartwood Drive Intersection Improvements
 - Third Street Improvements – Murray Road to Pryor Road
 - Todd George Parkway Shoulders – Colbern Rd to Woods Chapel Rd
- Parks and Recreation
 - Park South and Community Center
 - Hartman Park Improvements

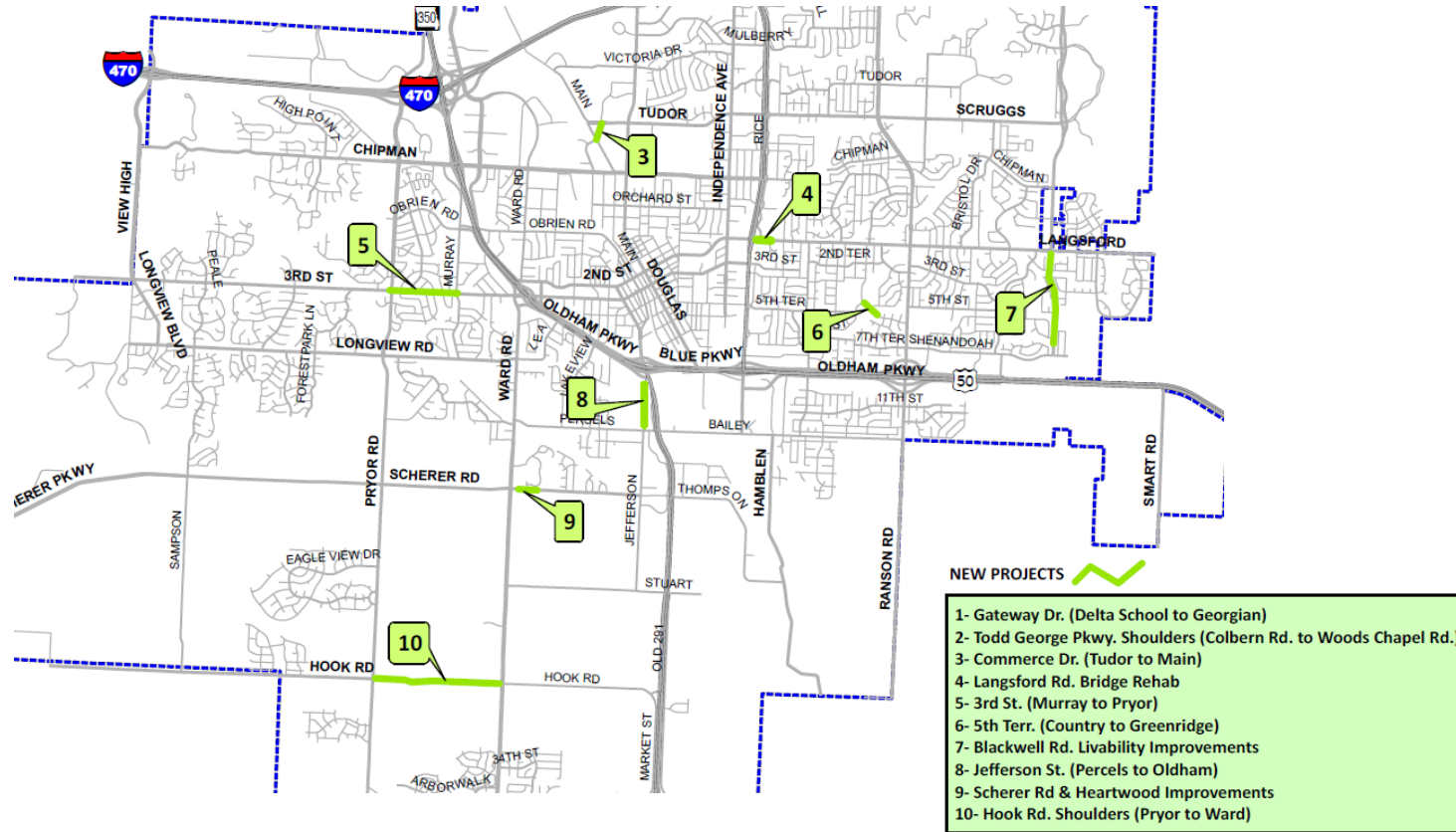
New Project Locations...

NEW PROJECTS 

- 1- Gateway Dr. (Delta School to Georgian)
- 2- Todd George Pkwy. Shoulders (Colbern Rd. to Woods Chapel Rd.)
- 3- Commerce Dr. (Tudor to Main)
- 4- Langsford Rd. Bridge Rehab
- 5- 3rd St. (Murray to Pryor)
- 6- 5th Terr. (Country to Greenridge)
- 7- Blackwell Rd. Livability Improvements
- 8- Jefferson St. (Percels to Oldham)
- 9- Scherer Rd & Heartwood Improvements
- 10- Hook Rd. Shoulders (Pryor to Ward)



New Project Locations...



New Projects

- Solid Waste
 - Transfer Station
 - Landfill Closure Phases I, II and III
- Sanitary Sewer
 - Big Creek EFHB (East & West Forks)
 - Cedar Creek Improvements MH29-220 to MH37-001
 - Cedar Creek Interceptor Phase III
 - Little Cedar Force Main
 - Tudor Force Main Odor Control
 - Wastewater Master Plan

New Projects

- Water
 - Harris Park Standpipe Recoating
 - Hook Tower Recoating
 - Ranson Tower Recoating
 - Water Main – Harris Road – Herring to Haines
 - Water Main – NW System Improvements
 - Water Main – US50 Hwy – Blackwell to Smart
 - Water Main – US50 Hwy – Smart to Harris
 - Water Main Rehabilitation FY21
 - Woods Chapel Tower Recoating

How New Projects Support Economic Development

- **Commerce Drive Construction.** This project is in direct support of generating economic activity in a primary market target area identified by City Council near Douglas and Tudor. This project opens additional ground with access that connects to the recent Tudor Road improvements.
- **Construction of Jefferson Street from Persels to Oldham.** This project continues the significant investment in transportation infrastructure for capacity and context required by redevelopment interests. This project will complete a network of roadway and multi-modal improvements that include Bailey Road, Jefferson Street south of Persels, and M291 Interchange with US50 increasing the vitality of many significantly underutilized properties.

How New Projects Support Economic Development

- **Blackwell Interchange with US50 Project.** This new interchange will provide needed access for over 900 acres of development opportunity in eastern Lee's Summit.
- **Cedar Creek Improvement MH 29-220 to MH 37-001.** This project will address hydraulic bottlenecks in the in the interceptor sewer which serves much of downtown Lee's Summit. Improvements to this main will help the existing customers and build capacity for the proposed densification of the downtown business core.
- **Cedar Creek Interceptor Phase III.** This project is a continuation of the work on the Cedar Creek Interceptor work. This work will support the existing flows in the Cedar Creek basin as well as provide new capacity for development and redevelopment within the basin.

How New Projects Support Economic Development

- **Cedar Creek Winterset Woods & Sterling Hills.** This project is the reconstruction of a failing line but will also be upsized using sewer tap funds to support redevelopment within this basin.
- **Little Cedar Force Main.** This project is a realignment of the force main from the Tudor Road Pump Station from the Maybrook drainage basin to the Little Cedar drainage basin. This project is proposed to provide capacity in the Maybrook system for new development.
- **Water Main US 50 Hwy Blackwell to Smart.** This is a water main upsize project to support the current customers in the US 50 east area of Lee's Summit Water Utilities. This project will also provide support and capacity for economic development of that area.

How New Projects Support Economic Development

- **Water Main US 50 Hwy Smart to Harris.** This is a water main upsized project to support the current customers in the US 50 east area of Lee's Summit Water Utilities. This project will also provide support and capacity for economic development of that area.

Action Requested

Recommend Approval of a Resolution adopting the 2017-2021 Capital Improvement Plan in accordance with City Charter.

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Questions?