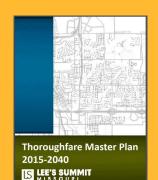
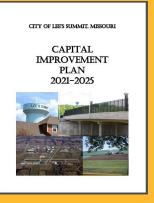
FY23 Capital Improvement Plan Kickoff







December 2021

Public Works Committee Meeting

George Binger, PE

City Engineer





FY23 CIP Overview

- Overview / Refresher
- Critical Success Factors
- Funding Review
- Committed Projects
- Process / Prioritization
- Discussion

CIP Overview

What is the CIP?

Planning Document

5-Year Fiscally Constrained Capital Improvements

✤Generally, Capital Infrastructure Projects Exceeding \$50K

✤Roads, Water, Sewer, Buildings, Parks, IT Networks, Etc.

What is the CIP review and approval process?

Annually Updated

Adopted in Comprehensive Plan by Planning Commission

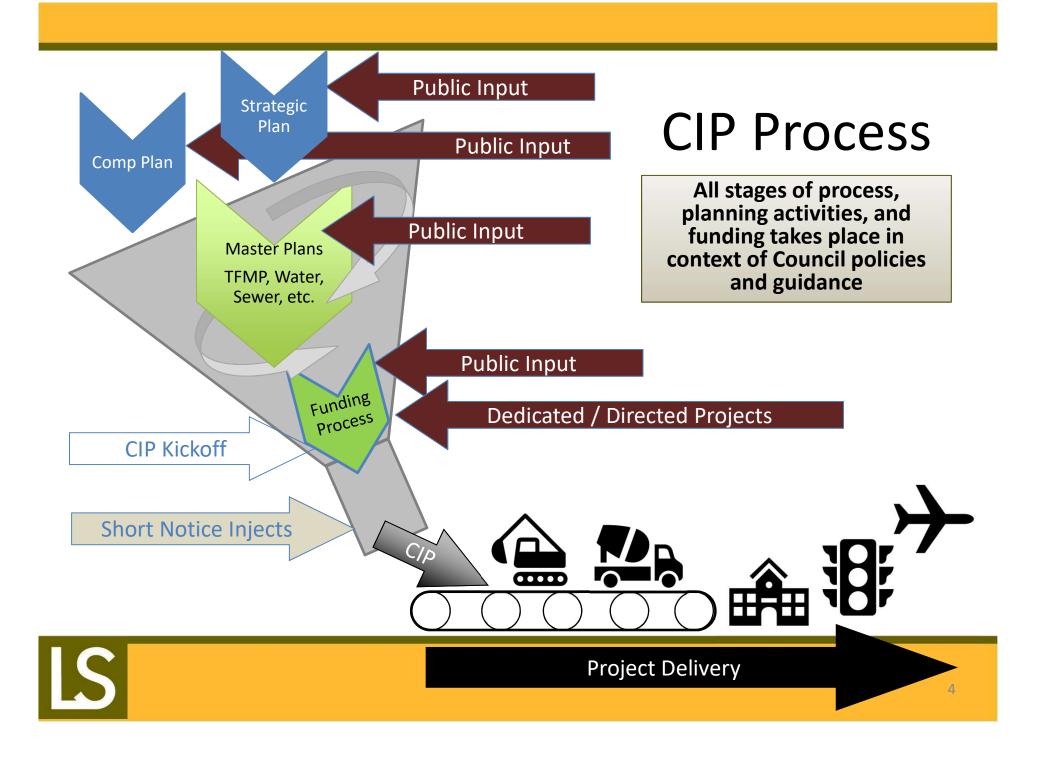
City Council Approval; 1st Year of CIP is in the City Budget

New this year

Link projects and programs with Strategic / Comprehensive Plan

Discuss short list of unfunded projects in waiting to build depth on the bench





Strategic Plan

<u>Vision</u>

A vibrant community ensuring the finest quality of life for generations

<u>Mission</u>

To enrich lives in our community through collaboration, creativity and commitment

Values

Stewardship Integrity Service Excellence



City of Lee's Summit

Strategic Plan Implementation Report

August 2020

CIP in Context of Strategic Plan

Critical Success Factor	Strategy	Action	Status
		Secure sustainable funding sources, including grants and consideration	1. Tax levy re-allocation 2. Use Tax
	Ensure existing and future infrastructure is	of a stormwater utility	 Airport Business Plan Stormwater Utility Rate and Implemenation study funded Prioritize unfunded projects for future opportunities
	adequate for purposeful growth	Update system master plans on routine schedule	City staff regularly updating: Water, Wastewater, Airport etc. (refer to APWA accreditation?)
City Services and Infrastructure		Continue review of infrastructure design standards	Adopted process to update Design & Construction Manual Annually
	Ensure City services	Focus on maintenance and improvement of existing infrastructure	 Life Cycle cost analysis to reduce long term maintenance costs Improved construction and material standards Small Wireless Facilities in right of way ordinance APWA accreditation chapter 40, Assest Management
	support quality of life	Provide City staffing levels to meet current service demands and recognized standards	 Pursuing Stormwater Utility Airport revenue & activity milestones to expand services
Communithy Health & Well-being	Develop and support community fitness opportunities	Review and update the Livable Streets Policy	 Sidewalk gap program Local / Residential Street Program Livable Streets elements part of CIP work (i.e. Pryor Road)
Community Engagement	Expand / Increase use of technology		1. Online and hybrid public meetings for projects and CIP input
Stategic Economic Development	Implement Economic Development Plans	Work with owners to create development-ready sites with incentives, zoning and infrastructure	 Economic development a factor in Master Planning License Tax Recent projects (Commerce Drive, Main Street, SE Decker, US 50 & M-291 South Interchange) Cedar Creek Sanitary Sewer Interceptor expansion Airport runway extensions, Hangar 1 Airport Business Plan and Master Plan updates



Comprehensive Plan

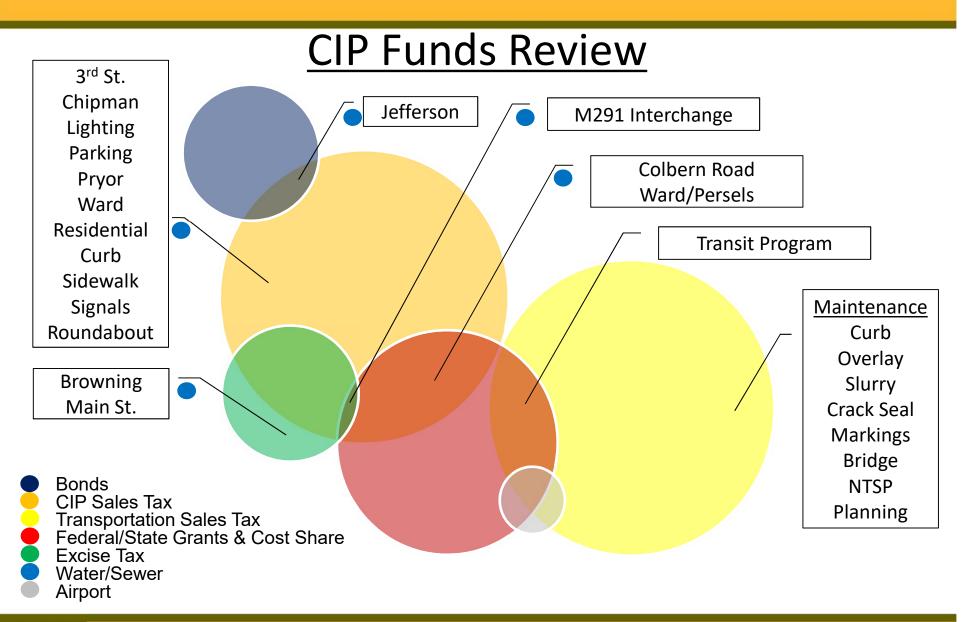


<u>https://cityofls.net/comprehensive-</u> plan?utm_source=igniteourfuture.net&utm_medium=domain&utm_campaign=domain_names

CIP in Context of Comp Plan

- Example projects/programs that support multiple comprehensive plan elements:
 - Transit Services
 - Facilities (Fire Stations)
 - Sidewalk Gap Program
 - Residential Street Reconstruction Program
 - Road Projects Mitigating Economic Development
 Barriers (Pryor Road, Colbern Road, Main Street)
 - Sewer/Water Extensions & Upsizings





CIP Funding Relationships

Capital Projects (Bridges, Streets & Signals) & Programs (PW)

Browning Street Extension - Browning to Hamblen Rd Chipman Road, Bent Tree Dr. to View High Dr. Colbern Road - M350 to Douglas Street	Overlay & Slurry Seal Annual Curb and Gutter Replacement Program
Douglas Street - Chipman Road to 2nd Street Downtown Public Parking Existing Street Light Improvements Hamblen Road & Bailey Road Signal Independence Ave & Town Centre Blvd Intersect Imp Jefferson Street - Persels Road to Oldham Parkway Main Street - Chipman Road to Commerce Drive M291 North Interchange with US50 Pryor Road Widening Phase 1 - Hook to Longview Pryor Road Widening Phase 2 - M150 to Hook Residential Curb Replacements Sidewalk Improvements Streetlights - Lakewood Boulevard Streetlights - Shenandoah Drive Third Street Improvements - Jefferson St to Blue Parkway/US50 Third Street Improvements - Murray Road to Pryor Road Ward Road & Persels Road Signal Ward Road - Chipman Road to NW O'Brien	Neighborhood Traffic Safety Program Bridge Rehab/ Maintenance Capital Project Planning Pavement Marking Crack Sealing Community Bus Service - ATA/OATS



Fund Commitments/Cash Flow Projects

- Bond Issuances
- Sales Tax Initiatives
- Emerging Needs
- System Condition
- Priority Plans
- Priority Projects

1 – 5 years \$40,750,000	6 - 10 years \$29,750,000	11 – 15 years \$35,750,000
Colbern Road	Scherer Road (Phase 1)	Scherer Road (Phase 2)
DT Parking & Land Acquistion	DT Parking Garage	Independence
Stormwater Projects		
Pryor Road (Phase 1)		Pryor Road (Phase 2)
3rd St.: US 50-Jefferson	Douglas St.	3rd St.: Green – M291
RIRCA trailheads	Ward Road (Phase 2)	
Ward Road (Phase 1)	Curb replacement	Curb replacement
Street lighting	Sidewalk gaps	Sidewalk gaps
Streambank	Streambank	CMP Replacement

CIP Implementation Process

Projects:

- Master Plans Project Lists Emerging Needs
- Prioritization
 Funding Identification
 Sequencing
 Scheduling/Financing
 Capital Improvement Plan
 Project Delivery

Programs:

- Life Cycle Analysis/Asset Plans
- Level of Service
- Maintenance/Operations
- Regulatory Compliance
- Prioritization/Balance
- Infrastructure Coordination
- Hazard Mitigation
- Preventative Maintenance
- Capital Improvement Plan
- Program Delivery



Prioritization Factors

- Safety
- Mandates/Regulation
- Capacity
- Condition
- Economic Growth
- Livability
- Impact
- Urgency
- Cost/Savings

	Prior	it	iz	ec	1	Li	st	-					
Project/Program	Improvement Description	Urgency	Safety	Condition	Health Hazard	Pr System Capacity	Public Impact	EcoDevo	Livability	Public	Maintenance	Cost	Cos
3rd Street M-291 Hwy to Green	Reconstruct 2/3-lane	1	0	0	nazaro	Capacity	O	0	•	O	O	Sharing	SS
3rd Street US 50 Hwy to Jefferson	Reconstruct 2/3-lane		0	0		i i	0	0	•	0	0		55
Colbern Road - Blue Pkwy to Douglas	Improve to Urban 4/5-Lane Road	0	•	0		•		•	0	•		•	555
Douglas Street - 2nd St to Chipman	Reconstruct 2/3-lane	8 - A	1	0		5 - 5	0	0	•	0	0		\$\$2
Downtown Parking Garage	Parking Structure	0				0		•	0	•		0	\$\$2
Independence Avenue - Sth St to Chipman	Reconstruct 2/3-lane	0	0				10						\$\$
Pryor Road - Longview to M-150 Hwy	Improve to Urban 4/5-Lane Road	0	0			•		0	0			0	\$\$\$
RIRC Trail Heads	Trail Head Improvements								0				\$
Scherer Road - Sampson to Jefferson	Interim 2-lane		0	0		0	0		0			0	\$\$\$
Ward Road - Chipman to 2nd/Blue Pkwy	Reconstruct 2/3-lane	· · · · ·	0	0	6	- P	0	1	•	0	0		\$\$
Curb Replacement Program	Arterial, Collector & Local Curbs	0		•		i i				٠	•		55
Sidewalk Gap Program	Sidewalk Construction	0	0		Ű.	í (0		٠				\$\$
Storm Water Program - CMP Replacement	Trail Head Improvements			٠		, l.				•	•		\$\$2
Storm Water Program - Streambank Stabilization Projects*	Streambank Stabilization*	•		•		0				-	•		\$\$
Storm Water Program - Structure Flooding Projects	Structure Flooding Mitigations	•	8 - 8	0	•	e e			0	•			\$\$2
Street Light Program - Lakewood Way Lighting	Street Lighting		0						0	0			\$
Street Light Program - Shenandoah Dr. Lighting	Street Lighting		0		(i			0	0			\$
Street Light Program - System Improvements	LED Upgrades & Expansions	.) — .)		0							0		\$
Rate Highway Improvements Cost Sharing Opportunity Fund	Misc.	-				2 - L							\$\$5
* Where conditions threaten public infrastructure.		<u>,</u>			- 	t l		\$<\$1N	1 \$\$ = \$1N	1 to \$5M	\$\$\$ = \$5M to \$1	OM \$\$\$\$	\$>\$10



Value of Long-term Commitments

- Todd George/Scruggs
 - 1968 Study
 - ROW dedicated with new plats/developments
 - Constructed 1992-2007
- Ward Road (1997-2016 phases)
- M-291 South Corridor

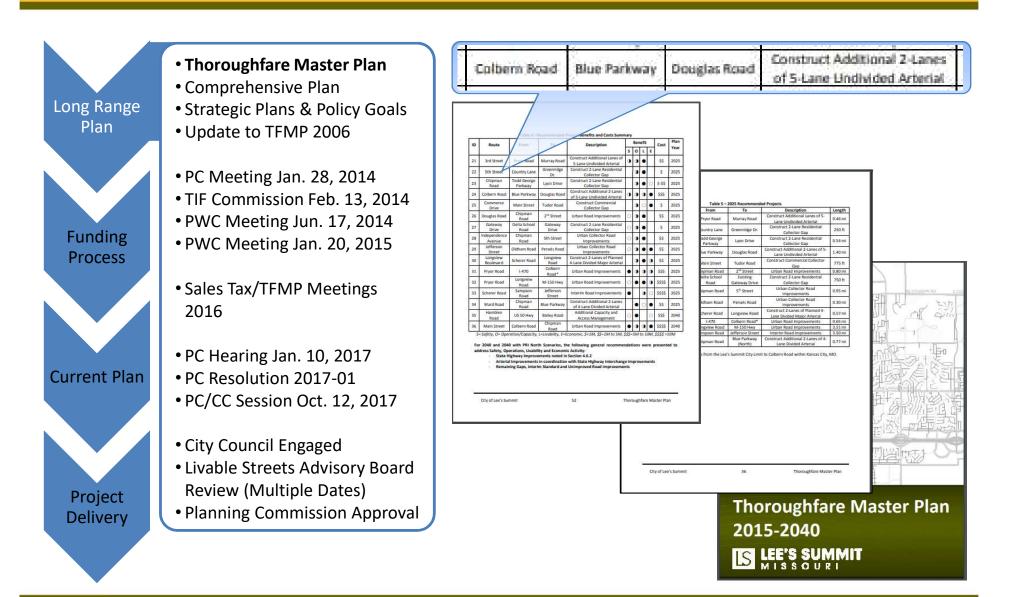
– Jefferson, Scherer, Decker, Interchange



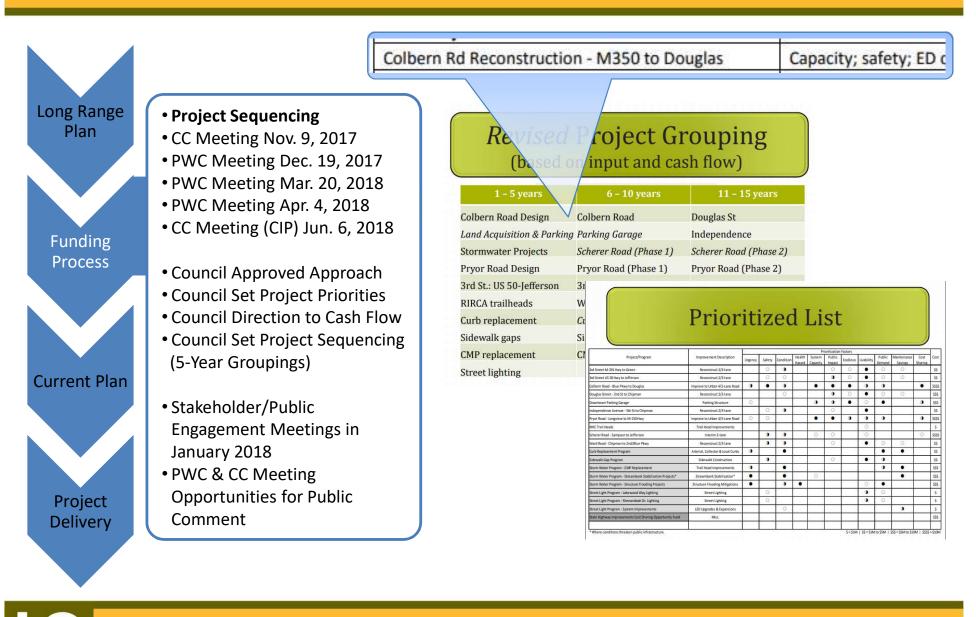
Unfunded Project Examples

- Lakewood Way north of Bowlin Road
- Lakewood Way south of Bowlin Road
- Olive and Orchard Stormwater/Complete Streets
- Little Blue River MARC/USACE stormwater master plan
- Airport Hanger 2
- Expanded Fixed Route Transit Services
- Traffic Signals (Newly Warranted Locations)





Example CIP Project – Colbern Road



Example CIP Project – Colbern Road

Current CIP 2022-2026

- Approved last Spring
- CIP Changes (Last Year)

Capital Improvement Plan Summary Fiscal Year 2022-2026

Iscal	rear	2022-2026	
(Cos	sts in	\$1,000s)	

Project	Prior Yrs.	2022	2023	2024	2025	2026
Public Works Programs	7,323	7,576	8,111	8,539	8,572	8,781
Water Utilities Programs	1,045	653	552	2,058	306	762
Facilities Programs	14	377	120	96	588	667
Airport	5,838	2,857	3,109	1,387	5,088	4,833
Bridges, Streets and Signals*	46,588	22,590	22,930	21,624	12,152	10,170
Facilities	12,500	5,000	-	-	-	-
Parks and Recreation	420	425	850	9,360	8,410	10
Storm Water	7,848	2,888	500	500	500	1,000
Sanitary Sewer	13,520	5,550	2,500	5,300	4,500	6,003
Water	13,523	10,957	7,371	7,941	8,510	7,940
Total	108,619	58,873	46,043	56,805	48,626	40,166

*Costs include water and sewer funding associated with road construction.

Completed Projects:

- Cedar Creek Interceptor (sewer) Phases 3 and 4
- Downtown Parking Lot at 4th and Main
- Expand Hangar 1 Parking Lot
- Fire Station 3 Replacement
- Hamblen Road & Bailey Road Signal
- ITS Network Infrastructure
- Jefferson Street Persels Road to Oldham Parkway
- Land Acquisition of ALP Properties Phase 2
- Lowenstein Park Improvements
- Maybrook Stormwater Improvements
- · Mill and Overlay Hangar Taxi lanes Alpha and Bravo
- NE Maple Street Stormwater Project
- SE Bingham Drive Stormwater Project
- SE Brentwood Drive Stormwater Project
- SE Grand at Sth Street Stormwater Project
- Streambank Stabilization Projects
- SW 34th Street Stormwater Project
- Third Street Improvements Murray Road to Pryor Road
- Water Main Sampson Road Existing 12" to Hook
- Water Main Rehab FY20

New Projects:

- Building Equipment Repair Program (BERP)
 - Cedar Creek Downtown Improvements Phase 2
- CMP rehab / replacement
- Fire Station S Replacement
- Flow Monitoring
- Hangar 1 FBO Remodel
- · Hangar 1 Parking Lot Rehab
- Hangar 2
- Little Cedar Intercept or Improvements
- Oaks Ridge Meadows Pump Stations Wetwell Rehab
- Residential Street Reconstruction Program FY22
- Runway 29 Part 77 Grading
- · Scherer Road Reconstruction Ward Road to Jefferson Street
- · Scruggs Pump Station, Pump Systems 1 and 4 Replacement
- South Terminal Water Tank Rehabilitation
- Stormwater Utility Implementation Study
- Unity Sewer Study, East and South
- Velie Park Renovations
- Wastewater Master Plan Update
- Water Main Rehab FY26
- West Side Self Service Fuel

Projects moved to out years

Construct Middle Section of West Parallel Taxiway

Current CIP 2022-2026

BRIDGES, STREETS & SIGNALS (Costs in \$1,000s)

Project	Prior Yrs.	2022	2023	2024	2025	2026	Total
Browning Street Extension - Browning to Hamblen Rd	3,200	100	-	-	-	-	3,300
Chipman Road, Bent Tree Dr. to View High Dr.	15,773	-	-	-	-	-	15,773
Colbern Road - M350 to Douglas Street	7,902	12,475	600	-	-	-	20,977
Douglas Street - Chipman Road to 2nd Street	-	-	500	2,036	4,047	-	6,583
Existing Street Light Improvements	115	-	-	-	-	-	115
Independence Ave & Town Centre Blvd Intersect Imp	1,760	-	-	-	-	-	1,760
Jefferson Street - Persels Road to Oldham Parkway	4,022	-	-	-	-	-	4,022
Main Street - Chipman Road to Commerce Drive	1,200	340	-	-		-	1,540
M291 North Interchange with US50	-	2,000	4,950	10,000	3,500	500	20,950
Pryor Road Widening Phase 1 - Hook to Longview	2,550	4,500	10,880	3,070	-	-	21,000
Pryor Road Widening Phase 2 - M150 to Hook	-	-	-	750	3,000	5,400	9,150
Residential Curb Replacements	1,000	250	250	250	250	1,000	3,000
Scherer Road Reconstruction - Ward Road to Jefferson Street	-	-	-	-	-	1,000	1,000
Sidewalk Improvements	-	500	500	500	500	500	2,500
Streetlights - Lakewood Boulevard	875	-	-	-	-	-	875
Streetlights - Shenandoah Drive	530	2	-	<u>~</u>	-	-	530
Third Street Improvements - Jefferson St to Blue Parkway/US50	481	1,000	1,050	4,018	-	-	6,549
Third Street Improvements - Murray Road to Pryor Road	7,130	-	-	-	-	-	7,130
Ward Road & Persels Road Signal	-	650	2,700	1,000	-	-	4,350
Ward Road - Chipman Road to NW O'Brien					855	1,770	2,625
Ward Road - NW O'Brien Road to Blue Parkway	50	775	1,500	-	-	-	2,325
Subtotal	46,588	22,590	22,930	21,624	12,152	10,170	136,054
ess water and sewer funds included in totals	3,592	1,115	1,550	2,646	777	270	9,950
lotal	42,996	21,475	21,380	18,978	11,375	9,900	126,104

PUBLIC WORKS PROGRAMS (Costs in \$1,000s)

Programs	Prior Yr	2022	2023	2024	2025	2026
Overlay & Slurry Seal FY22	4,300	4,400	4,500	4,600	4,700	4,800
Annual Curb and Gutter Replacement Program FY22	1,700	1,750	1,800	1,850	1,900	1,950
Residential Street Reconstruction Program FY22	0	150	300	450	500	500
Neighborhood Traffic Safety Program FY22	50	50	50	50	50	50
Bridge Rehab/ Maintenance FY22	50	50	50	50	50	50
Capital Project Planning FY22	45	45	50	50	50	50
Pavement Marking FY22	525	450	652	750	552	581
Crack Sealing FY22	300	310	320	330	340	350
Community Bus Service - ATA/OATS FY22	353	371	389	409	430	450
TOTAL	7,323	7,576	8,111	8,539	8,572	8,781



Discussion

- Comments
- ✤ Guidance
- Review FY23 CIP based on tonight's discussion



Next Steps

- Annual License Tax Committee Meeting (December 2020)
- PWC Meeting(s) for 2023-2027 CIP
- ✤PC Public Hearing for 2023-2027 CIP
- PC Resolution Adopting the 2023-2027 CIP
- CC Resolution Adopting the 2023-2027 CIP
- CC FY22 Budget Approval



George Binger, P.E. City Engineer Geoge.binger@cityofls.net 816.969.1800





Yours Truly