



Street Improvement Oversight Committee Report

April 12, 2021

REPORT ELEMENTS

- ▶ Oversight Committee
- ▶ Purpose of Committee
- ▶ Project Status and Overview

OVERSIGHT COMMITTEE MEMBERS

- ▶ Wes Epperson, Committee Chair
- ▶ Daniel Martin
- ▶ Edward Nesbitt
- ▶ Fran Wagner
- ▶ Gloria Smith
- ▶ Jerry Adkins
- ▶ Tim Watkins

PURPOSE OF OVERSIGHT COMMITTEE

- ▶ Monitor Implementation of Plan
- ▶ Monitor Progress
- ▶ Report to Council

PROGRAM OVERVIEW

- ▶ 12- year program started in 2009
- ▶ Voters approved renewal of Street Sales Tax in 2017
- ▶ Council approved debt financing for deferred maintenance program in December of 2019.

REVENUE SOURCES

JULY 1, 2020 – DECEMBER 31, 2020

	FY 2021 Budget	FY to date Actual	% of Budget
Sales Tax Revenue	\$8,028,559	\$4,346,169	54.13
Interest Income	\$10,000	\$20,193	201.93
Other Miscellaneous	\$0	\$7,088	100.00
Total Current Year	\$8,038,559	\$4,373,450	54.41

CAPITAL IMPROVEMENT UPDATES

- ▶ Just over \$11.6 Million dedicated for Capital Improvement Projects currently underway.



PROJECT UPDATES

**CONSTRUCTION
COMPLETED**

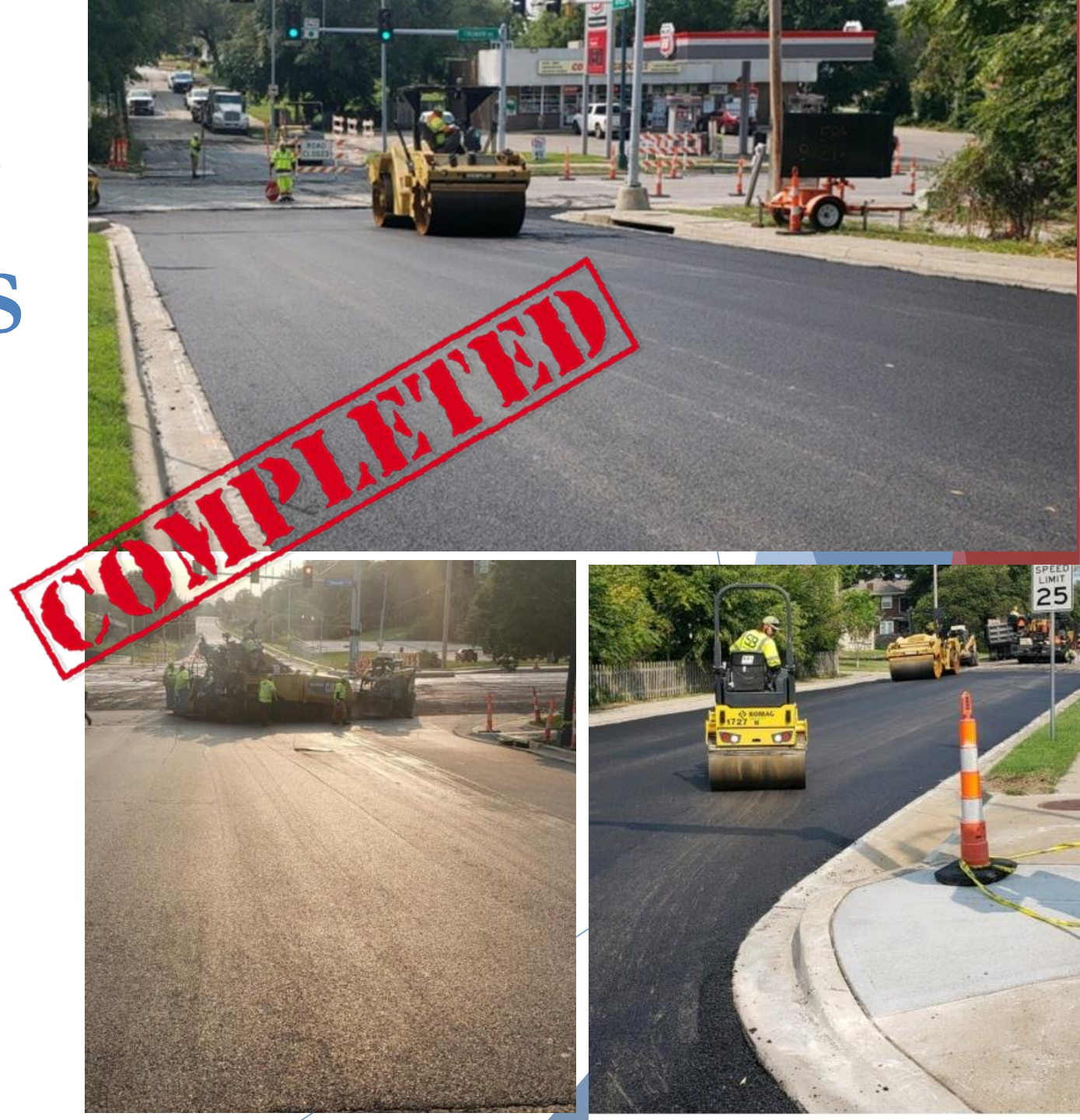
2020 ASPHALT STREET OVERLAY

- ▶ 16.3 Miles (47 lane miles)
- ▶ Various Locations City-Wide
- ▶ Contractor - Superior Bowen Asphalt Company
- ▶ Project began July 22, 2020
- ▶ Project completed December 14, 2020



2020 INTERSECTION IMPROVEMENTS

- ▶ River and Truman
- ▶ Truman and Noland
- ▶ 23rd and Sterling
- ▶ 43rd and Crysler
- ▶ Project began August 25, 2020
- ▶ Project Completed December 22, 2020
- ▶ Repair as part of the Deferred Maintenance Program and removed the existing concrete whitetopping at the above 4 intersections and replaced with asphalt mix. The work included some sidewalk ramp improvements, curb, gutter and sidewalk repairs and traffic signal updates.



COLLEGE STREET IMPROVEMENTS

- ▶ Pavement reconstruction, new curb and gutter, and ADA compliant sidewalk. Storm sewer improvements
- ▶ Pavement marking and signage for shared use lanes, for bicycle users, storm sewer improvements.
- ▶ Relocation of overhead utilities to be underground to remove poles from proximity of traffic corridor.
- ▶ Contractor - VF Anderson Builders, LLC
- ▶ Project began January 6, 2020
- ▶ Project completed November 24, 2020



COMPLETED

2020 BRIDGE ASSESSMENT

- ▶ Consulting Engineering Company: Design Consultant- Alfred Benesch & Company.
- ▶ Project began February 2020
- ▶ Assessment complete working to incorporate data into CityWorks.
- ▶ Findings from the assessment will aid developing the Bridge maintenance program from the Deferred maintenance Bonds
- ▶ For strategic management of City-Wide bridges, to determine the need and timing of preventative or remedial actions required to maintain a desired level of service for City-wide Bridge assets.

COMPLETED

EXISTING CONDITIONS	STIP PULLDOWN	40%	Br %
NBI 58	DECK	25%	10.0
NBI 59	SUPERSTR	35%	14.0
NBI 60	SUBSTR	30%	12.0
NBI 61	CHANNEL	5%	2.0
NBI 62	CULVERT	50%	2.0
NBI 113	SCOUR CRITICAL	5%	30%
EXISTING CONDITIONS TOTAL		100%	100%
LOAD CARRYING CAPACITY		10%	%
STIP PULLDOWN		10%	Tot
NBI 31	DESIGN LOAD	0%	
NBI 64	OPERATING RATING	40%	4.0
NBI 66	INVENTORY RATING	30%	3.0
NBI 70	BRIDGE POSTING	30%	3.0
LOAD CARRYING CAPACITY TOTAL		100%	10

CRACK FILLING PROJECT FALL 2020

- ▶ Crackfilled segments of 5 routes within the City

Street Name

Limits

E VALLEY VIEW PKWY

Little Blue River Bridge to US 40

R D MIZE RD

Hidden Valley Rd to Little Blue Pkwy

JACKSON DR

R D Mize to MO 78

LITTLE BLUE PARKWAY

I-70 to Heartland

LITTLE BLUE PARKWAY

E 39th St to E R D Mize Rd

- ▶ Project began November 2020
- ▶ Project ended December 2020
- ▶ Contractor: Vance Brothers, Inc.

COMPLETED





PROJECT UPDATES

UNDER CONSTRUCTION

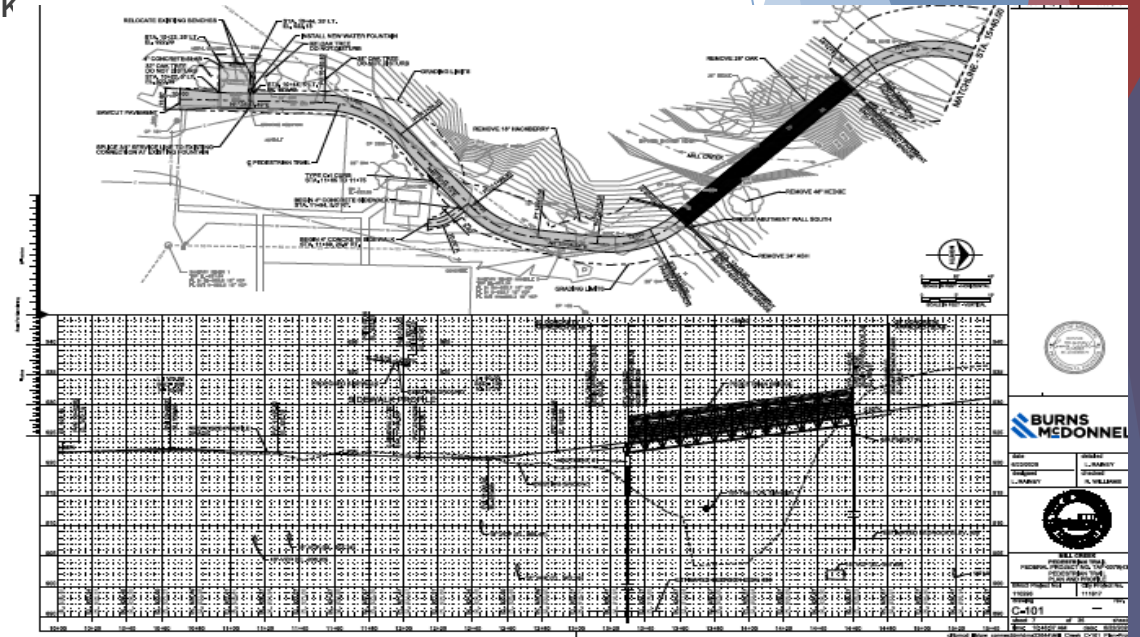
PAVEMENT PREVENTATIVE MAINTENANCE

- ▶ First year of programming
- ▶ Funded by current budget streets sales tax
- ▶ Crack sealing- working with streets maintenance to perform all crack sealing operations.
- ▶ Activities completed so far:
 - ▶ Crack Filling
 - ▶ 2020 Asphalt Overlay (full width pavement mill and fill)
- ▶ Activities to be advertised for bid:
 - ▶ Full and Partial Depth Asphalt Repairs (bid opening 3/3/2021)
 - ▶ Pavement Seals (including Micro surfacing, Scrub Seal, Cape Seal)
- ▶ Construction begins - Spring 2021.



MILL CREEK TRAIL EXTENTION

- ▶ Project has been awarded and Notice to Proceed is March 22, 2021
- ▶ Project anticipated to be complete in Summer 2021
- ▶ Federal Funded- Transportation Alternative Program (TAP)
- ▶ Project length: 0.2 miles trail from Jones Rd to Mill Creek Park
- ▶ Extend a shared bicycle/pedestrian trail along Mill Creek
- ▶ Install new 130' pedestrian bridge
- ▶ Estimated cost: \$ 430,583.50
- ▶ TAP: \$203,000
- ▶ Contractor - Tasco, LLC





PROJECT UPDATES

**UPCOMING
CONSTRUCTION**

40 HWY COMPLETE STREETS

- ▶ Consulting engineering: Design Consultant- Affinis Corp.
- ▶ Design Complete- October 2020
- ▶ Construction Complete - Fall 2021
- ▶ Grants funding - Surface Transportation Program (STP)
- ▶ Project Length: 1.51 miles
- ▶ Complete Street upgrades on North Side from Blue Ridge Cutoff to Sterling Ave.
- ▶ New curb and gutter, storm drainage improvements, ADA compliant sidewalk and pedestrian signals.
- ▶ Shoulder resurfacing, pavement marking and signage for dedicated on-street bicycle lane.
- ▶ Estimated cost: \$2,592,079
- ▶ STP funds: \$2,000,000.00 (up to 80% of construction costs covered by STP grants)



TRUMAN DEPOT AND PACIFIC TRAIL IMPROVEMENT

- ▶ Consulting engineer: SFS Architecture.
- ▶ Project Completion: Design Complete- October 2020
- ▶ Project Began - Winter 2021
- ▶ Construction Complete- Fall 2021
- ▶ Project length: Pacific Ave Trail= 0.5 miles
- ▶ Restoration improvement for the Historic Amtrak Station.
- ▶ Trail provides complete street upgrades on the North side of W. Pacific Ave to S. Pleasant Street.
- ▶ New curb and ADA compliant sidewalk
- ▶ Pavement marking and signage for shared use lanes, for bicycle users.
- ▶ Estimated cost: \$410,716.91 (Base Bid). Option not included as part of Base Bid = \$9,983.00 (Bid Option 1) and \$37,298.14 (Bid Option 2).
- ▶ TAP-MO: \$350,000



DEFERRED MAINTENANCE CAPITAL IMPROVEMENT PROJECTS

- ▶ Scott Avenue Bridge
- ▶ Curb and Gutter maintenance program- First Year; anticipated construction summer 2021
 - ▶ Began with cooperation in Street Overlay program in 2020. Replaced 6,227 linear feet of curb and gutter
- ▶ Sidewalk installation program- First Year; anticipated construction summer 2021
- ▶ Streets Maintenance Equipment
 - ▶ 11 dump trucks outfitted for snow operations
 - ▶ 1 flat bed equipped with an electric and hydraulic generator
 - ▶ Trailer mounted crack seal machine
 - ▶ Trailer mounted asphalt patcher
 - ▶ Brine creation system
 - ▶ Additional Storage tanks
 - ▶ 2 leased tractors
 - ▶ Just finalized an order for a new asphalt paver
 - ▶ 3 trucks due to be delivered in the next month
- ▶ Bridge Repair & Maintenance Program
- ▶ 24 Highway cost share
- ▶ Square Streetscapes

SCOTT AVENUE BRIDGE

24th Street to 25th Street

- ▶ Consulting engineer: Olsson
- ▶ Project began - September 2018
- ▶ Project Completion
 - ▶ Design completed- July 2019
 - ▶ Construction Anticipated to be complete- Summer 2021
- ▶ Moved to Deferred Maintenance program Summer 2020.





PROJECT UPDATES

FUTURE PROJECTS

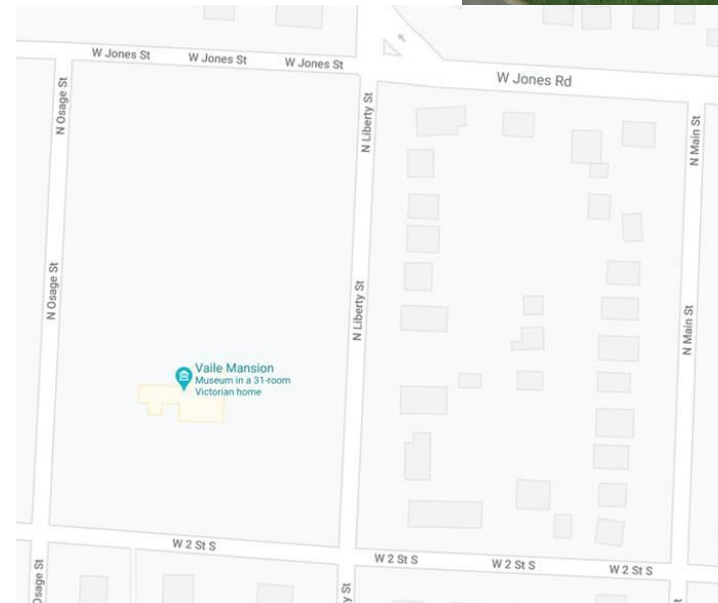
HARDY AVENUE SIDEWALKS PHASE I

- ▶ In-house Design currently in preliminary design phase.
- ▶ Start Date: Construction- Fall 2021
- ▶ Project Completion Date: Summer 2022
- ▶ Project length: 0.5 miles
- ▶ Install sidewalk along Hardy Avenue on one side and Storm Sewer improvements from 35th Street to Cassell Park Elementary school at 31st Street.



VAILE SIDEWALK IMPROVEMENTS

- ▶ In-house Design currently in preliminary design phase.
- ▶ Start Date: Construction- Fall 2021
- ▶ Project Completion Date: Spring 2022
- ▶ This project entails installing and replacing sidewalks around the Vaile Mansion property along Osage, Liberty, Main, Jones and 2nd Street. This project also includes Stormwater improvements.



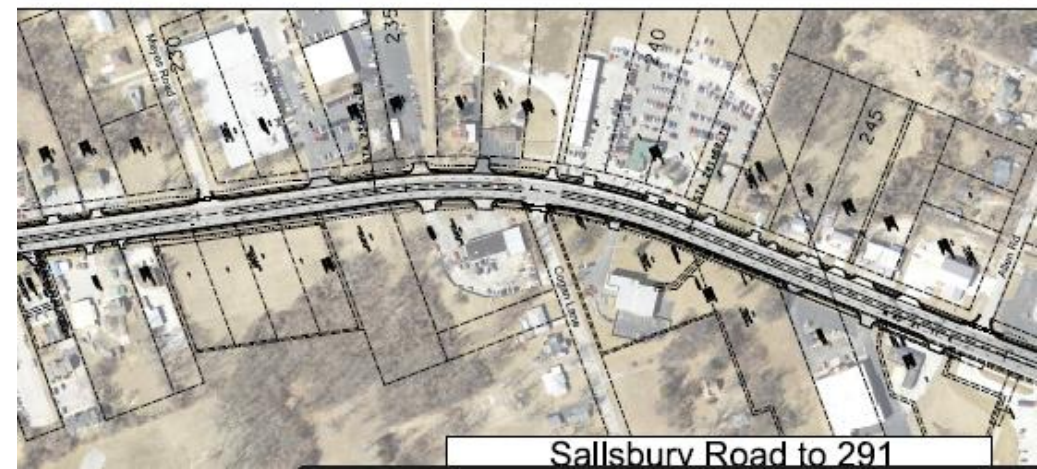
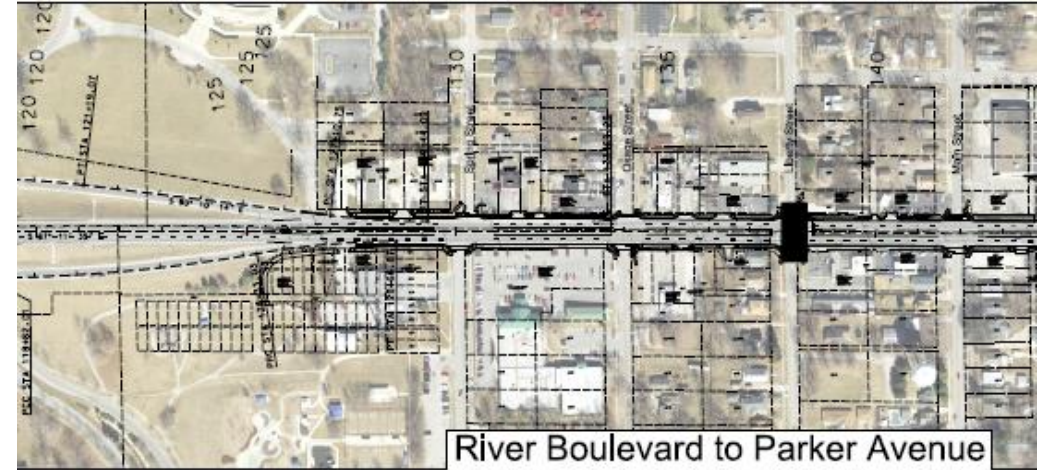
31ST STREET SIDEWALKS TO CASSEL PARK ELEMENTARY

- ▶ In-house Design
- ▶ Design Start Date: Summer 2021
- ▶ Construction Start Date: Spring 2022
- ▶ Project Completion Date: Fall 2022
- ▶ Project length: 0.1 miles
- ▶ Install sidewalk along 31st Street on one side and Storm Sewer improvements from Northern Blvd. to Cassell Park Elementary.



24 HWY COMPLETE STREETS PHASE I

- ▶ Right of Way/Acquisitions plans design phase
- ▶ Burns & McDonnell - Design Consultant
- ▶ Start Date - Construction- Spring 2023 Administered by MoDOT
- ▶ Project Completion Date - Fall 2024
- ▶ MoDOT cost share project.
- ▶ Project length: 3 miles from 291 to River Blvd.
- ▶ Improve from 4 lane to 5 lane section with curb & gutter.
- ▶ 10-foot multi-use path south side and 5-foot sidewalk north side.
- ▶ Storm sewers and traffic signal improvements.
- ▶ Estimated cost: \$10,582,354.15
- ▶ STP: \$3,500,000



TRUMAN CONNECTED PHASE I

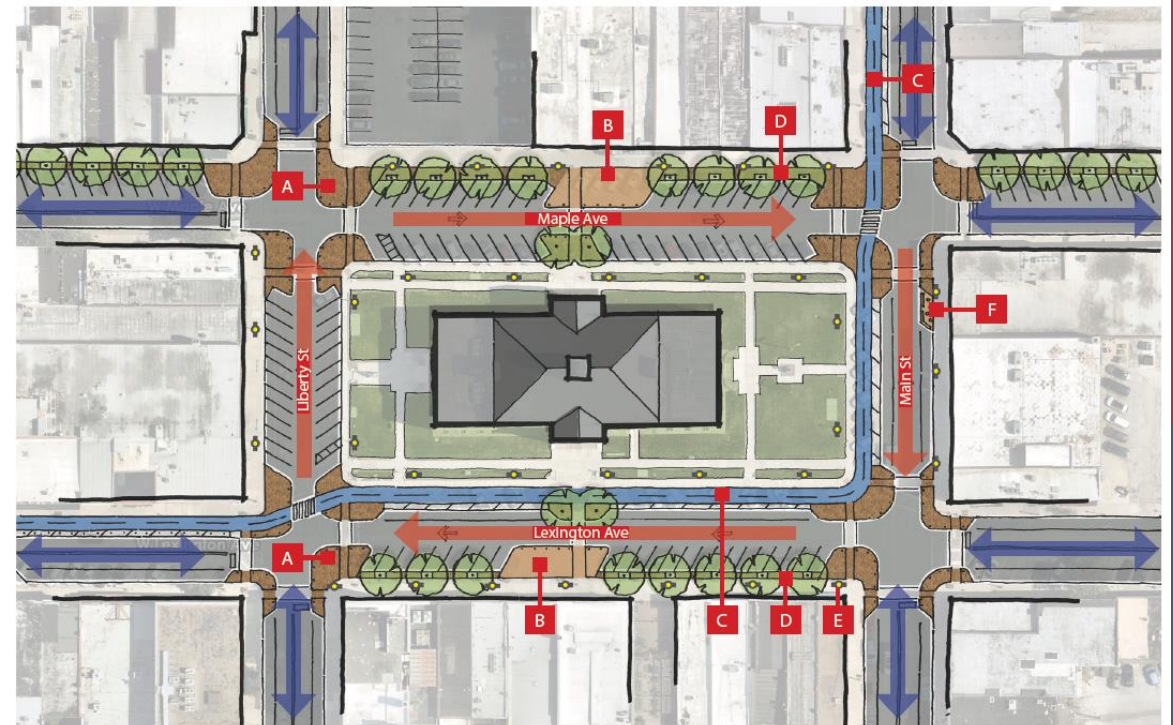
- ▶ Consulting Engineering: WSP
- ▶ Start date - Design - Spring 2021
- ▶ Start date - Construction- Summer 2023
- ▶ Project Completion Date - Summer 2024
- ▶ Implementation of bicycle and pedestrian facilities and amenities
- ▶ Roadway modifications, utilities improvements, and traffic enhancement
- ▶ Estimated cost: \$3,950,000.00
- ▶ STP: \$2,700,000
- ▶ TAP: \$500,000



Source: Truman Connected PSP

SQUARE STREETSCAPE

- ▶ Consulting Engineer: WSP
- ▶ Start date: Design - Spring 2021
- ▶ Construction- Summer 2023
- ▶ Project Completion Date: Summer 2024
- ▶ Implementation of bicycle and pedestrian facilities and amenities
- ▶ Roadway modifications, utilities improvements, and traffic enhancement
- ▶ Estimated Cost: \$2,500,000
- ▶ CDBG: 854,000



CONCEPT PLAN

- A - Install decorative pavements and re-install bollards
- B - Construct mid-block parklets and add planters & seating
- C - Cycle track and buffer

- D - Construct curbed amenity zones & install street trees
- E - Install new light poles with pedestrian-lighting & signage
- F - Parklet



QUESTIONS?

THANK YOU!