



City Council Committee Meeting Notice

CITY COUNCIL
City Hall, 215 SE 7th Street, Suite 255
Topeka, KS 66603-3914
Tel: (785) 368-3710
Fax: (785) 368-3958
www.topeka.org

Committee: Public Infrastructure
Meeting Date: May 16, 2023
Time: 11:00am
Location: 1st Floor Conference Room; Cyrus K. Holliday Bldg 620 SE
Madison; *Virtual attendance is also available*

Agenda:

1. Call to Order
2. Approve Minutes from March 30, 2023 meeting
3. Pavement Condition Index (PCI) Update
4. Improvement of Auburn Road & Intersection of SW Auburn/29th with a Roundabout
5. FIRM Memo – Municipal Court HVAC Update
6. JEDO and Approval Process Presentation
7. Other Items
8. Adjourn

STAFF REQUESTED: City Manager Stephen Wade, Public Works Director Braxton Copley, Jason Tryon, Adam Vaughn

Members: Tony Emerson (Chair) – District 4
Neil Dobler – District 7
Michelle Hoferer – District 9

Contact: Liz Toyne, City Council Assistant
785-368-3710



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Public Works
Pavement Condition Index Update
2019 vs. 2022 PCI Comparison

Public Infrastructure Comm. Mtg., May 16, 2023
Public Works Director Braxton Copley Presenting

1 | Pavement Condition Index (PCI) Defined

2 | Street Condition Comparisons – 2019 vs. 2022

3 | Alley Condition Comparisons – 2019 vs. 2022



PCI Defined

- PCI ranges from 0-100
- Concrete, asphalt and brick pavements were assessed.
- Segments not assessed included gravel, gated, barricaded and under construction.

PCI Range	Class
86-100	Very Good
71-85	Good
56-70	Fair
41-55	Poor
0-40	Very Poor



Street Condition Comparison

- Improvements reflected in most categories
- Overall Street Network PCI 2019 vs. 2022 (61.8 vs. 67.7)
- \$92.5 million budgeted for street work in 2019-22
- \$22.8 million budgeted for 2023



Street Condition Comparison

Streets 2019					
Pavement Condition Index (PCI) Range	Condition Description	Total Distance (Center Lane Miles)	Total Distance (Road Lane Miles)	Percent of Network (Road Lane Miles)	Percent of Network (Center Lane Miles)
86-100	Very Good	156.23	396.03	23%	25%
71-85	Good	111.55	292.73	17%	18%
56-70	Fair	109.56	263.33	16%	16%
41-55	Poor	218.91	489.69	33%	31%
0-40	Very Poor	69.86	160.48	10%	10%
Total of Rated Segments		666.11	1602.26	100%	100%

Streets 2022					
Pavement Condition Index (PCI) Range	Condition Description	Total Distance (Center Lane Miles)	Total Distance (Road Lane Miles)	Percent of Network (Road Lane Miles)	Percent of Network (Center Lane Miles)
86-100	Very Good	148.28	364.64	22%	23%
71-85	Good	214.12	521.72	32%	32%
56-70	Fair	117.27	289.74	17%	18%
41-55	Poor	133.56	295.39	20%	18%
0-40	Very Poor	62.2	142.33	9%	9%
Total of Rated Segments		675.43	1613.82	100%	100%



Alleys Condition Comparison

- Improvements reflected in all categories
- Overall Paved Alley Network PCI 2019 vs. 2022 (56.25 vs. 60.51)
- \$1.25 million budgeted for alley work for 2019-22
- \$500,000 budgeted for 2023



Alleys Condition Comparison

Alleys 2019			
Pavement Condition Index (PCI) Range	Condition Description	Total Distance (Miles)	Percent of Network
86-100	Very Good	6.57	16%
71-85	Good	4.78	11%
56-70	Fair	8.20	19%
41-55	Poor	9.80	23%
0-40	Very Poor	13.08	31%
Total of Rated Segments		42.43	100.00%
Alleys 2022			
Pavement Condition Index (PCI) Range	Condition Description	Total Distance (Miles)	Percent of Network
86-100	Very Good	9.06	22%
71-85	Good	6.94	16%
56-70	Fair	7.25	17%
41-55	Poor	7.38	18%
0-40	Very Poor	11.32	27%
Total of Rated Segments		41.96	100%



Questions?





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Braxton Copley, Public Works Director
Holliday Building, 620 SE Madison St.
Topeka, KS 66603

bcopley@topeka.org
Tel: 785-368-2527
www.topeka.org

Memorandum

Date: May 4, 2023

To: PI Committee

Cc: Stephen Wade, City Manager

From: Braxton Copley, Public Works Director

Re: Improvement of SW Auburn Road and SW 29th Street

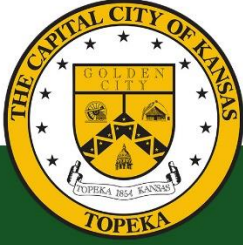
Background

The recent annexation of the USD 437 tract of land for the new middle school at SW 29th Street and SW Auburn Road was to the section lines which are approximately the centerlines of SW 29th Street and SW Auburn Road. Consequently, the City is now technically responsible for maintenance of that portion of those roads.

The County is currently in design for improvement of SW Auburn Road including the construction of a new roundabout at the intersection of SW Auburn Road and SW 29th Street. The new section of road will be an urban 3 lane design with curb and gutter, along with a 10' shared use path on one side and 5' sidewalk on the other. Estimated project cost is \$6.5M. County is asking the City to participate for \$1M of the costs. Legal is working on a contract structuring the deal such that City can pay for its portion of the costs using Citywide ½ Cent Sales Tax for reconstruction of the existing portion of Auburn Rd. that the City is responsible for.

Additionally, the County and USD 437 are sharing in the cost of a roundabout at the entrance into the school with an estimated cost of \$1.5M.





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Department of Public Works
620 SE Madison Street
Topeka, KS 66607

Date: May 12, 2023

To: Stephen Wade, City Manager
From: Jason Tryon, Deputy Director of Public Works

Re: Municipal Building and TPAC HVAC

On Thursday April 27th we discovered refrigerant leaks in the rooftop units supplying air conditioning to the 2nd floor Municipal Courtroom and Judge's Chambers.

Repair work on the units began, contractors were able to identify leaks and put the judge's chambers RTU back in service quickly. The unit supplying air to the Municipal Courtroom and Council chambers was back in operation on May 7th after leaks were repaired and a failed sensor was replaced. Final billing for total repair services has not been received.

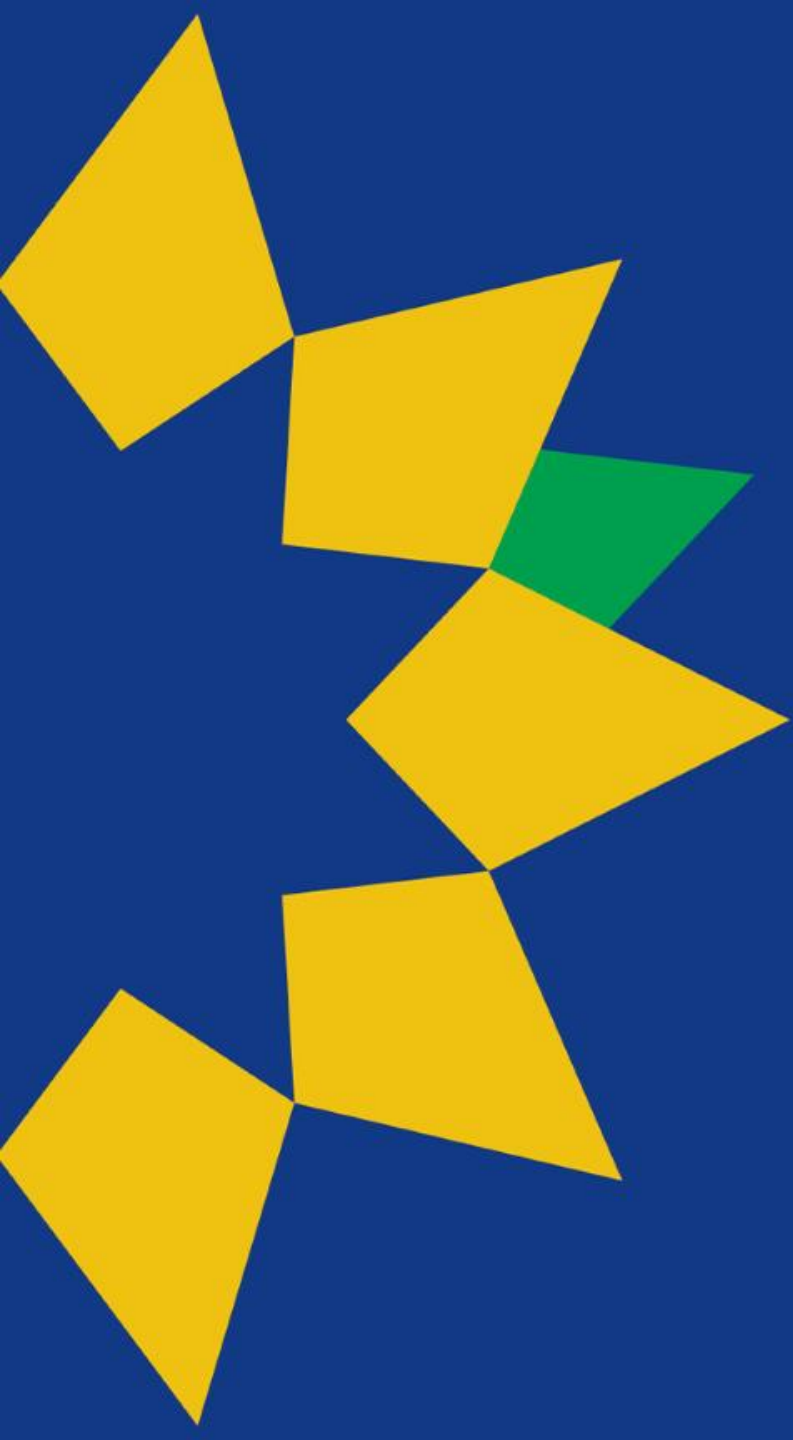
The units are operational but we have been advised they are at risk of additional failures based on their age and recent leaks.

We are exploring options for replacement of these systems before the 2024 summer. Previous assessment recommended converting these areas from the current refrigerant system to a chilled water system. Cost estimate for those replacements was as follows:

Second Floor Court Room HVAC Systems: \$1,560,000

Second Floor Office HVAC Systems: \$620,000

Recommended replacement is an interior mounted Air Handling Unit with VAV reheat, supplemented by 2 rooftop units to supply air to the Second floor offices.



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JEDO and Project Approval

PWI May 16th

JEDO Updated Project Costs

Projects	2015 Estimate	Current Budget	Projected Years	Original Priority #	Status
SW 6th Gage to Fairlawn	\$ 5,600,000	\$ 5,600,000	2017 - 2018	1	Completed
12th Street - Gage to Kansas*	\$ 13,180,000	\$ 15,430,000	2019 - 2022	3	Near Completion
SE California 37th to 45th	\$ 5,600,000	\$ 6,000,000	2018 - 2020	4	Near Completion
SW 17th St. - I-470 to MacVicar Ave.**	\$ 14,600,000	\$ 24,850,100	2028 - 2031	5	Project has been pushed
SW Huntoon St. - Gage Blvd. to Harrison St.	\$ 11,740,000	\$ 18,500,000	2024 - 2029	7	Public Engagement
SW 29th St. - Wanamaker Rd. to Shunga Creek Bridge***	\$ 6,100,000	\$ 9,557,389	2027 - 2029	10	Future Project
SW Topeka Blvd. -15th - 21st St. Phase II	\$ 4,900,000	\$ 9,247,200	2023 - 2026	9	Moved Forward
SW 37th St. - Burlingame Rd. to Scapa Place	\$ 3,700,000	\$ 4,850,000	2027 - 2029	11	Future Project
SW 17th St. - Washburn Ave. to Adams St.	\$ 8,300,000	\$ 14,250,000	2028 - 2030	12	Future Project
NE Seward Ave. - Sumner St. to Forest Ave.	\$ 1,500,000	\$ 2,500,000	2029 - 2031	13	Future Project
SE 37th St. - Kansas Ave. to Adams St.	\$ 4,400,000	\$ 6,125,000	2029 - 2031	14	Future Project
Bikeways Master Plan	\$ 3,500,000	\$ 3,500,000	2018-2030	16	Projects in several different stages
2018 Pavement Management	\$ -	\$ 3,330,000	2018	N/A	Completed
2019 Pavement Management	\$ -	\$ 6,660,000	2018 - 2019	N/A	Near Completion
Zoo Obligations	\$ 10,000,000	\$ 9,960,855	2018 - 2030	2, 6, 8, 15	In Progress
TOTAL	\$ 93,120,000	\$ 140,360,544			

* Supplemented with Federal Funds (\$2,350,000)

** Project has been pushed back due to costs

***The portion from Fairlawn to Wheatfield Village Entrance was completed in 2021 for net expenses of \$395,361. Portion also includes GO Bond Funding (\$818,640)

<https://www.jedoecodevo.com/Documents/JEDOInterlocalAgreementbetweenSNCOandCOT-2017salestax.pdf>



JEDO Sales Tax Projection

Lower Bound									
Fund Balance Schedule	2023	2024	2025	2026	2027	2028	2029	2030	2031
Projected End of Year Fund Balance	\$ 9,673,472	\$ 14,349,692	\$ 16,333,346	\$ 16,769,375	\$ 16,421,989	\$ 11,538,317	\$ (2,522,132)	\$ (23,235,605)	\$ (29,486,701)
Projected Revenues by Year	\$ 6,359,598	\$ 6,739,220	\$ 6,933,654	\$ 6,986,029	\$ 6,927,614	\$ 6,777,183	\$ 6,546,476	\$ 6,243,452	\$ 5,873,904
Projected Expenses by Year	\$ 6,230,700	\$ 2,063,000	\$ 4,950,000	\$ 6,550,000	\$ 7,275,000	\$ 11,660,855	\$ 20,606,925	\$ 26,956,925	\$ 12,125,000
Average									
Fund Balance Schedule	2023	2024	2025	2026	2027	2028	2029	2030	2031
Projected End of Year Fund Balance	\$ 10,173,069	\$ 15,518,710	\$ 18,434,204	\$ 20,135,522	\$ 21,442,269	\$ 18,647,581	\$ 7,151,105	\$ (10,487,247)	\$ (13,118,812)
Projected Revenues by Year	\$ 6,859,195	\$ 7,408,641	\$ 7,865,494	\$ 8,251,318	\$ 8,581,746	\$ 8,866,167	\$ 9,110,449	\$ 9,318,573	\$ 9,493,435
Projected Expenses by Year	\$ 6,230,700	\$ 2,063,000	\$ 4,950,000	\$ 6,550,000	\$ 7,275,000	\$ 11,660,855	\$ 20,606,925	\$ 26,956,925	\$ 12,125,000
Upper Bound									
Fund Balance Schedule	2023	2024	2025	2026	2027	2028	2029	2030	2031
Projected End of Year Fund Balance	\$ 10,672,665	\$ 16,687,728	\$ 20,535,063	\$ 23,501,670	\$ 26,462,549	\$ 25,756,844	\$ 16,824,342	\$ 2,261,111	\$ 3,249,077
Projected Revenues by Year	\$ 7,358,791	\$ 8,078,063	\$ 8,797,335	\$ 9,516,607	\$ 10,235,879	\$ 10,955,151	\$ 11,674,423	\$ 12,393,694	\$ 13,112,966
Projected Expenses by Year	\$ 6,230,700	\$ 2,063,000	\$ 4,950,000	\$ 6,550,000	\$ 7,275,000	\$ 11,660,855	\$ 20,606,925	\$ 26,956,925	\$ 12,125,000



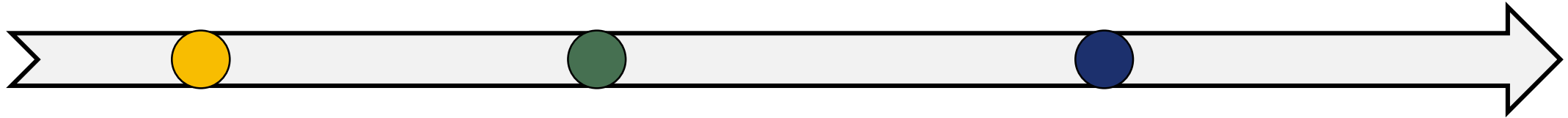
Approval Process

Approval 1

- CIP years 4-10

Approval 3

- Project is ready to construct and is over \$250,000
- PWI Committee
- Full Council Approval
- Proceed with project even if entering into a contract over \$50,000
- Come back to Governing Body if bids are over approved budget



Approval 2

- CIB: years 1-3 of CIP
- Proceed with design work even if over \$50,000



Capital Improvement Project Final Approval		
Project Name:	SE Quincy St. 10th Ave. to 8th Ave	This project is a reconstruction of Quincy from 8th to 10th.
Project Number:	601098.00	
Project Manager:	Lee Holmes	
Event	Target Date	
Design	In Process	
Right of Way	NA	
Construction	Q2 2024	
Project completion	Q4 2024	
Previously Approved in CIB	\$2,925,000	
Funding Source	Final Estimate	
1/2 Cent	\$ 2,025,000	
GO	\$ 900,000	
Totals	\$ 2,925,000	

