CITY COUNCIL WORK SESSION
AGENDA
January 29, 2024 - 6:00 p.m.
Administrative Training Room
Blue Springs City Hall
903 W. Main Street
Blue Springs, Missouri

1. Call meeting to order
2. Confirmation of Quorum
3. 2024 Infill Sidewalk Program
4. 2024 Street Maintenance Program
5. Adjourn

Miscellaneous Items

City Council Meeting – Monday, February 5, 6:00 PM
Parks Commission Meeting – Monday, February 6, 6:00 PM
Planning Commission Meeting – Monday, February 12, 6:30 PM
Public Arts Commission Meeting – Wednesday, February 14, 3:30 PM
City Council Meeting – Wednesday, February 21, 6:00 PM

This Agenda was posted at City Hall and on the City's website on Thursday, January 25, 2024.

Erin Ford, City Clerk

TO: Mayor, Councilmembers, Department Directors, and Press

FROM: Christine Cates
City Administrator

DATE: January 25, 2024

SUBJECT: Agenda Explanations

Item 3 – 2024 Infill Sidewalk Program
Public Works Director, Tom Degenhardt, will present details of the 2024 Infill Sidewalk Program for Council consideration. Refer to Council Information Form from Public Works Director Tom Degenhardt for additional information.

Item 4 – 2024 Street Maintenance Program
Public Works Director, Tom Degenhardt, will present details of the 2024 Street Maintenance Program for Council consideration. Refer to Council Information Form from Public Works Director Tom Degenhardt for additional information.

CITY OF BLUE SPRINGS
CITY COUNCIL INFORMATION FORM

DATE SUBMITTED: January 11, 2024

SUBMITTED BY: Tom Degenhardt **DEPARTMENT: Public Works**

☐ Ordinance	☐ Resolution	☒ Presentation	☐ Public Hearing
☐ Contract	☐ Discussion	☐ Economic Dev.	☐ Other

ISSUE/REQUEST

Public Works Director, Tom Degenhardt, will present details of the 2024 infill sidewalk program for Council consideration.

BACKGROUND/JUSTIFICATION

Infill Sidewalk ST-44 is budgeted in the amount of $277,200 for the 2024 construction season. The presentation is designed to provide information to City Council for proposed infill sidewalk locations.

FINANCIAL IMPACT

Contractor:	N/A

PROJECT TIMELINE

Estimated Start Date	Estimated End Date
February 5, 2024	December 31, 2024

OTHER BOARDS & COMMISSIONS ASSIGNED

Name of Board or Commission:	N/A

ECONOMIC DEVELOPMENT PROJECT

N/A

LIST OF REFERENCE DOCUMENTS ATTACHED

1. PowerPoint Presentation

REVIEWED BY:

Requesting Director: ***Tom Degenhardt***	Budget: ***N/A***
Legal: ***N/A***	City Administrator: ***Christine Cates***

2024 Infill Sidewalk

ST-44

1

$277,200 Funded for FY 2023-2024

To be used for new sidewalk only, no removal and replacement of sidewalk

Priority:

- Safety
- Known High-Traffic Pedestrian Areas
- Schools
- Businesses
- Hotel
- Apartment/Multifamily
- Missing gaps

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The City of Blue Springs Missouri

Recommended Program – $257,156

Street	From	To	Length	Cost	Note
NW Valley View Road	4503 Valley View Rd	West to School sidewalk	1,045'	$ 34,736.00	Some grading required
NW Mock AVE	The Edison Apartments	West to Existing Sidewalk	660'	$ 26,400.00	Curb abutting or culvert extension
NE Mock Avenue	Field House	The Edison Apartments	585'	$ 24,400.00	R/W or tree removal
SW Lake Village Boulevard	Heartland Church	7 Highway	615'	$ 25,140.00	
SW Lake Village Boulevard	SW Christiansen Drive	Heartland Church	145'	$ 4,964.00	
SW Liggett Road	7 Highway	Existing west	320'	$ 12,800.00	
SW Meadowridge DR	Strip mall	Apartment entrance	670'	$ 22,412.00	Some grading required
NW South Outer Road	IBEX	Whataburger	355'	$ 15,010.00	
NW Jefferson ST	Welcome Inn	Gage Center	360'	$ 14,220.00	
NW Jefferson ST	KC Cannabis	Northridge DR	300'	$ 12,324.00	
SW Moreland School RD	Walgreens	The Ridge Apartments	280'	$ 11,200.00	R/W and some grading
SW Clark RD	Clark LN	Apartments to the west	260'	$ 11,696.00	
SW South AVE	5th ST	4th ST	270'	$ 9,288.00	
NW Primrose	1512 NW Primrose	1513 NW Primrose	150'	$ 5,772.00	
NW Duncan RD south side	Casey's	Flex Spaces	70'	$ 5,560.00	Utility conflicts.
SW 19th ST	Sunset AVE	Dollar General Store	125'	$ 5,324.00	
NW Jefferson ST	West of 2001	To existing sidewalk	160'	$ 5,120.00	
SW 10th ST	Green Meadow DR	Edgewater	75'	$ 3,000.00	NW corner
SW 9th ST	Green Meadow DR	Edgewater	50'	$ 2,000.00	SW corner
SW 8th ST	Green Meadow DR	Edgewater	48'	$ 1,920.00	SW corner
SW 8th ST	Green Meadow DR	Edgewater	45'	$ 1,800.00	NW corner
SW 9th ST	Green Meadow DR	Edgewater	40'	$ 1,600.00	NW corner
2201 NW Sparta Drive	2201 NW Sparta Drive	2201 NW Sparta Drive	15'	$ 480.00	

3

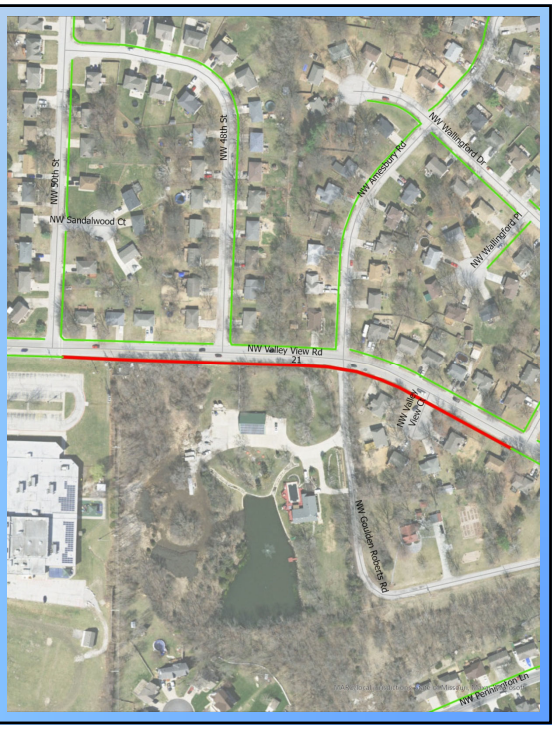
The City of Blue Springs Missouri

NW Valley View Rd – 4503 Valley View to School

$34,736 1,045 Linear feet

Some Grading Required





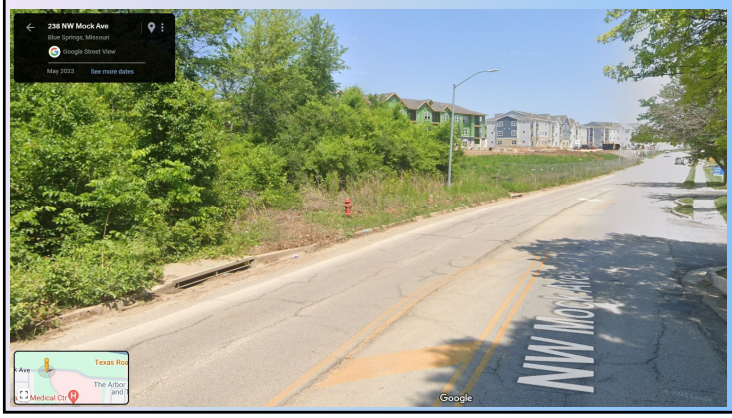
4

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NW Mock Ave – Edison Apartments to Existing Sidewalk

$26,400 660 Linear feet

Curb abutting and/or Culvert Extension





5

The City of Blue Springs Missouri

NW Mock Ave – Field House to Edison Apartments

$24,400 585 Linear feet

Additional R/W or Tree Removal





6

The City of Blue Springs Missouri

SW Lake Village Blvd – 7 Highway East to Heartland Church

$25,140 615 Linear feet



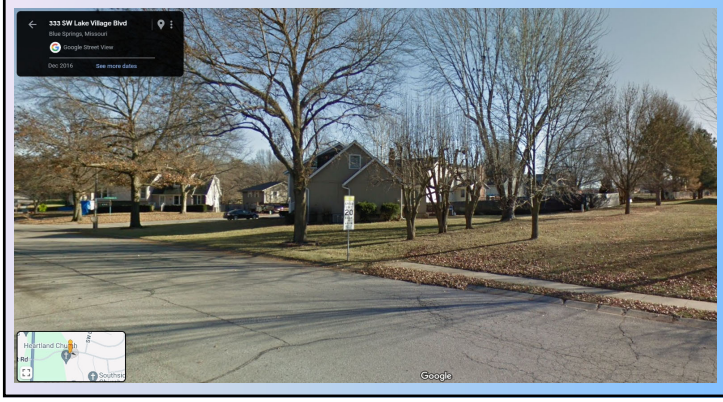


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SW Lake Village Blvd – Heartland Church to Christiansen Drive

$4,964 145 Linear feet





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SW Liggett Road – 7 Highway West to Existing Sidewalk

$12,800 320 Linear feet





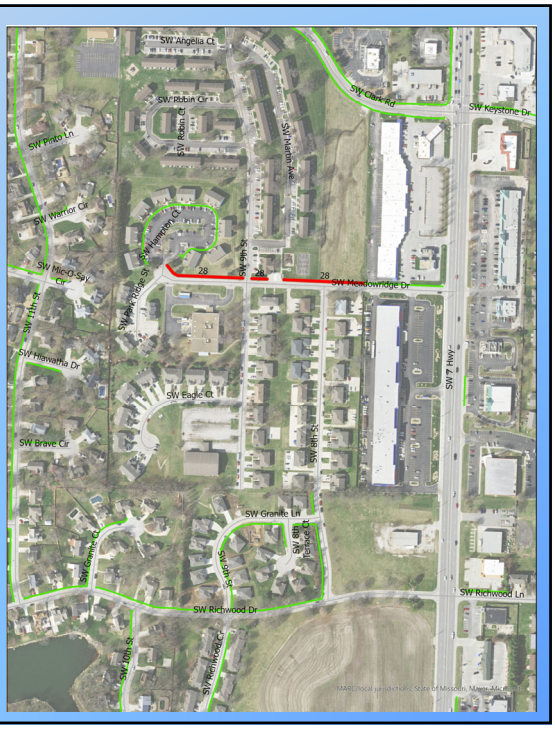
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SW Meadowridge Dr – Strip Mall to Apartment Entrance

$22,412 670 Linear feet



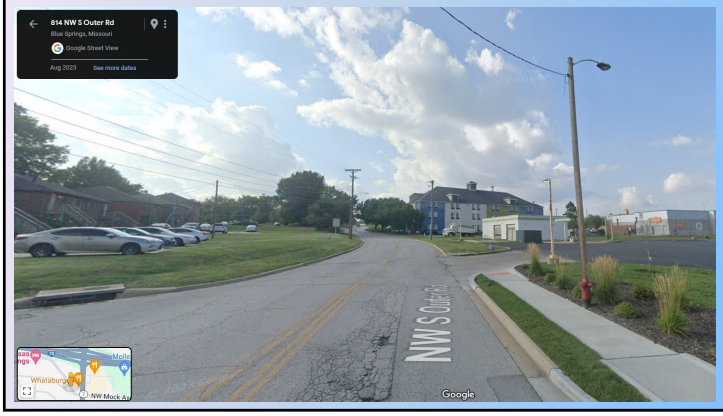


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NW South Outer Rd – Whataburger to IBEX

$15,010 355 Linear feet





11

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NW Jefferson Street – Welcome Inn to Gage Center

$14,220 360 Linear feet



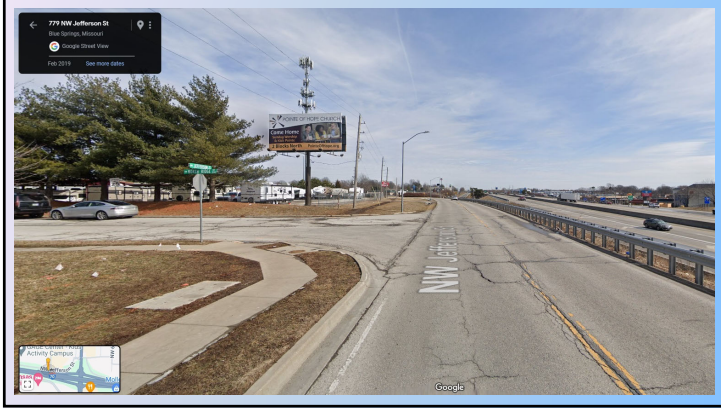


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NW Jefferson Street – KC Cannabis to Northridge Drive

$12,324 300 Linear feet





13

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SW Moreland School Road – Walgreens to The Ridge Apartments

$11,200 280 Linear feet

Additional R/W and Grading





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SW Clark Road – Clark Lane to Apartment to the West

$11,696 260 Linear feet



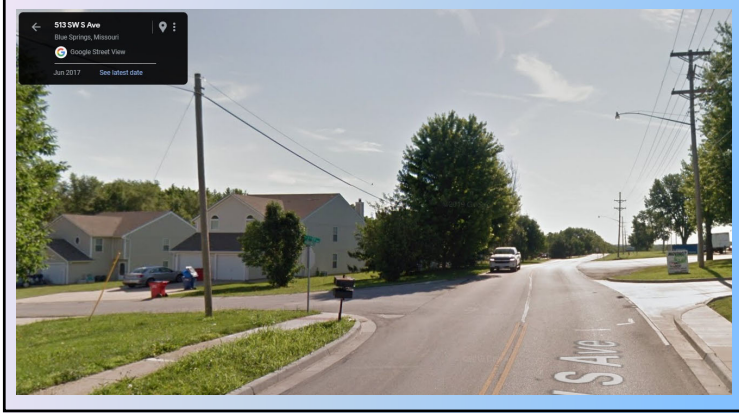


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SW South Avenue – SW 5th Street to SW 4th Street

$9,288 270 Linear feet





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NW Primrose – 1512 NW Primrose to 1513 NW Primrose

$5,772 150 Linear feet





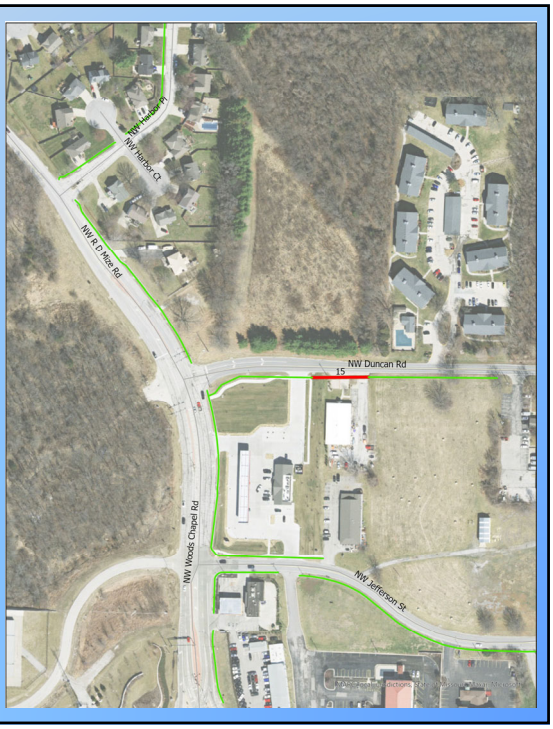
17

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NW Duncan Road – Casey's to Flex Spaces

$5,560 70 Linear feet



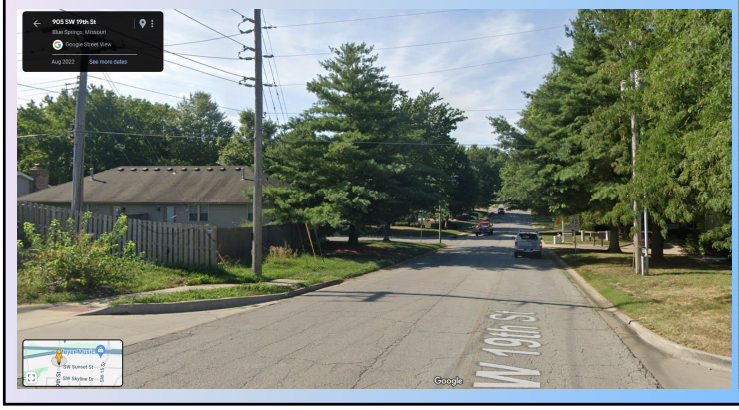


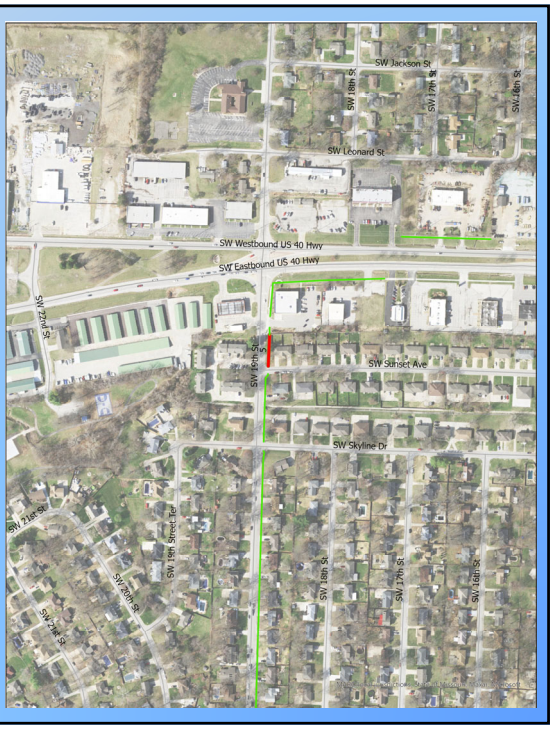
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SW 19th Street – Dollar General Store to SW Sunset Avenue

$5,324 125 Linear feet



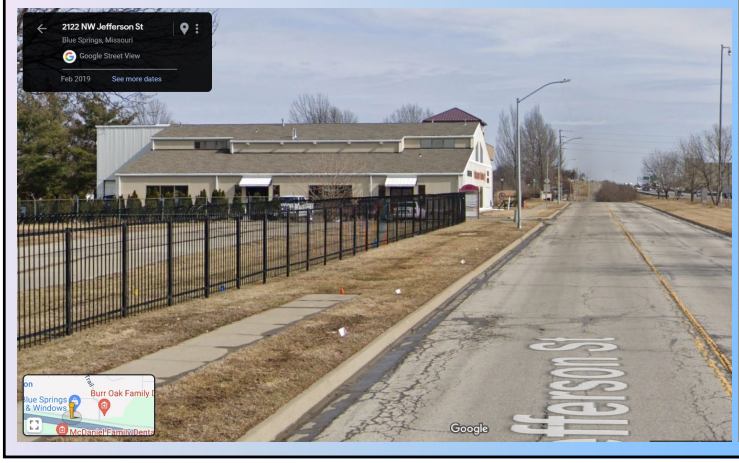


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NW Jefferson Street – West of 2001 Jefferson to Existing Sidewalk

$5,120 160 Linear feet





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SW Green Meadow Drive

@ SW 10th Street – NW Corner

$3,000 75 Linear feet

@ SW 9th Street – SW Corner

$2,000 50 Linear feet

@ SW 9th Street – NW Corner

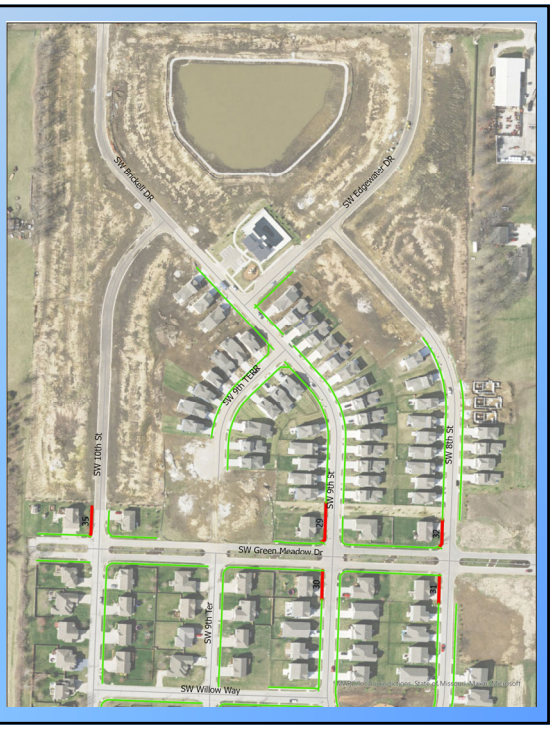
$1,600 40 Linear feet

@ SW 8th Street – SW Corner

$1,920 48 Linear feet

@ SW 8th Street – NW Corner

$1,800 45 Linear feet

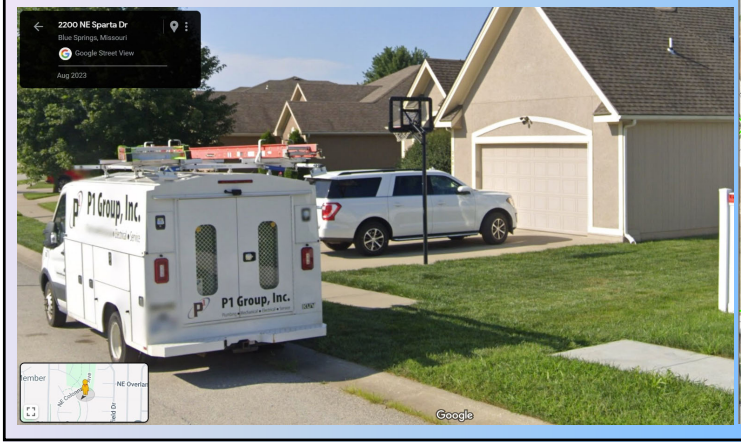


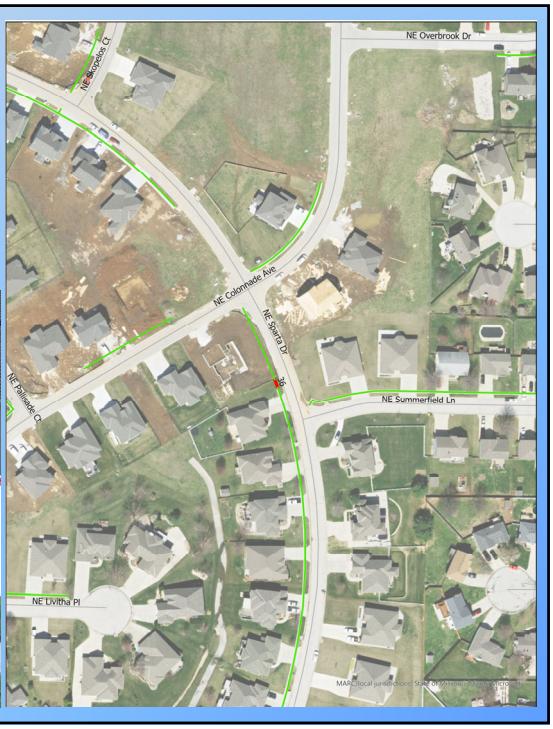
21

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2201 NW Sparta Drive

$480 15 Linear feet





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Unfunded

Street	From	To	Length	Cost	Note
NW Jefferson ST	Gage Center	12th ST, up 12th	355'	$ 11,684.00	Terrain has considerable slope
NW Jefferson ST	12th ST	East of Benton House	1,110'	$ 47,640.00	Grading
NW Jefferson ST	Guier Fence	Saunders RD	610'	$ 24,724.00	About 200' of wall
NW Briarwood DR	37th ST	East to Sonic	425'	$ 17,972.00	
NW Jefferson ST	Flex Spaces property line	Brewery/ Car Repair	75'	$ 3,270.00	Steep grade
NW Duncan RD north side	6th ST	West to Existing SW	145'	$ 6,124.00	
NW Shaw PKWY	7 HWY	6th TER	260'	$ 11,584.00	About 60' of wall
NW Duncan Road	7 Highway	NW 6th Terr	250'	$ 10,864.00	
NW 51st ST	Downing ST	North to school sidewalk	605'	$ 20,008.00	About 240' of wall
NW Valley View Road	51st Street	55th Street	935'	$ 39,344.00	Extreme grade. About 260' of wall
SW Lutrell/ Sunset AVE	SE corner		450'	$ 18,324.00	
SW Sunset AVE	West of Price Chopper	Driveway	110	$ 4,400.00	
SW South AVE	1st Street	West to shared driveway	350'	$ 11,524.00	Grade issues
SW 8th ST	Green Meadow DR	Edgewater	80'	$ 3,524.00	NE corner
SW 8th ST	Green Meadow DR	Edgewater	76'	$ 3,364.00	SE corner
Totals				**$ 234,350.00**	**Total does not include wall or grading**

Areas needing engineering to determine cost:

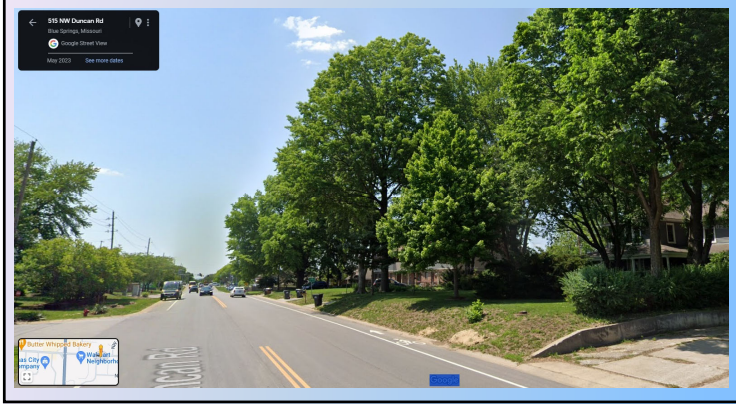
Street	From	To	Length	Cost	Note
NW Duncan Road	NW 6th Terr	NW 4th Street Place	743'		
NW Duncan Road	Flex Spaces	NW Westbrooke Drive	1,700'		Unimproved street
SW Walnut Street	SW 19th Street	Old Mill Park	3,700'		Street project ST-61
SW Liggett Road	SW 22nd Street	SW 12th Street	2,670'		Unimproved street
NW Vesper	Woods Chapel Rd	Fox Hollow Ln	3,300'		Street project ST-07
NW Pink Hill Road	Casey's	NW 1st Street	1,500'		Unimproved street

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NW Duncan Road – NW 4th Place to NW 6th Terrace

Steep Grade, Wall Needed, Driveway Replacements





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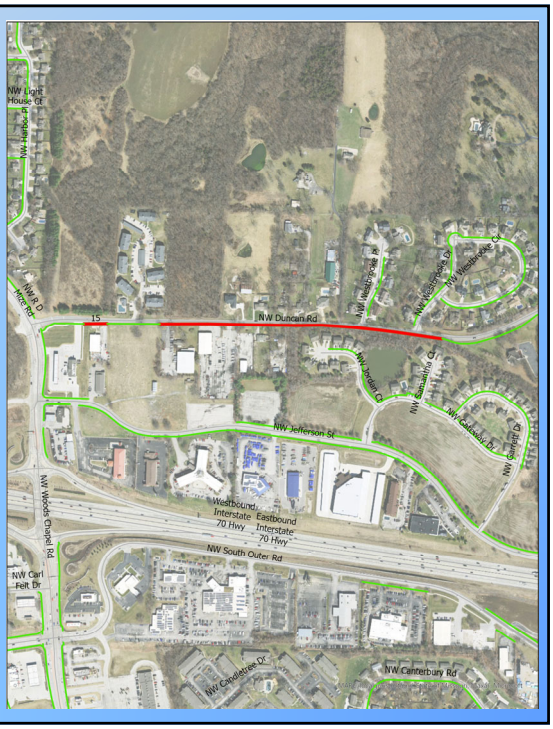
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* NW Duncan Road – NW Westbrooke Drive to Flex Spaces

Unimproved Street with Roadside Ditches,
Drainage System Needed

* Councilmember Request





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The City of Blue Springs Missouri

* NW Vesper Street – NW Fox Hollow Lane to SW Woods Chapel Road

Unimproved Street with Roadside Ditches,
Drainage System Needed

* Councilmember Request





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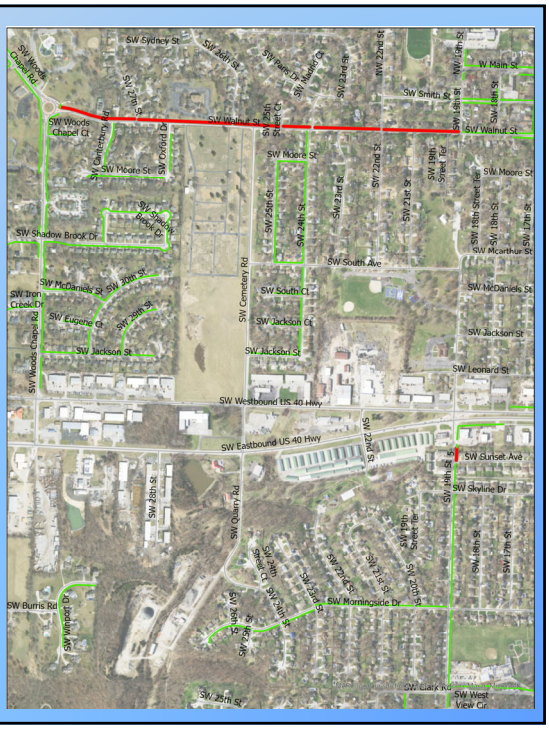
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* SW Walnut Street – SW 19th Street to Old Mill Park

Cemetery Wall on South Side, Drainage and
Grading Needed on North Side

* Councilmember Request





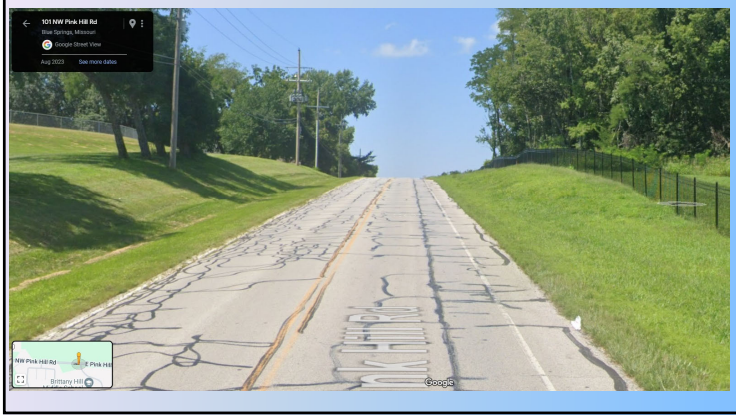
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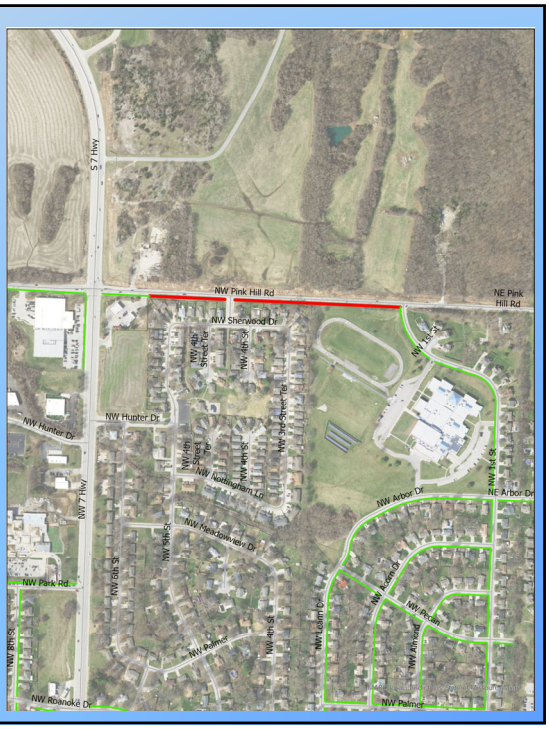
The City of Blue Springs Missouri

* NW Pink Hill Road – Casey's to NW 1st Street

Unimproved Street with Roadside Ditches,
Drainage System Needed

* Councilmember Request





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CITY OF BLUE SPRINGS
CITY COUNCIL INFORMATION FORM

DATE SUBMITTED: January 11, 2024

SUBMITTED BY: Tom Degenhardt **DEPARTMENT: Public Works**

☐ Ordinance	☐ Resolution	☒ Presentation	☐ Public Hearing
☐ Contract	☐ Discussion	☐ Economic Dev.	☐ Other

ISSUE/REQUEST

Public Works Director, Tom Degenhardt, will present details of the 2024 Street Maintenance Program for Council consideration.

BACKGROUND/JUSTIFICATION

Street Maintenance Program ST-06 is budgeted in the amount of $2.02 million for the 2024 construction season. The presentation is designed to provide background of the state of the system and the process used to select streets for the upcoming program information to the City Council.

FINANCIAL IMPACT

Contractor:	N/A

PROJECT TIMELINE

Estimated Start Date	Estimated End Date
February 21, 2024	October 1, 2024

OTHER BOARDS & COMMISSIONS ASSIGNED

Name of Board or Commission:	N/A

ECONOMIC DEVELOPMENT PROJECT

N/A

LIST OF REFERENCE DOCUMENTS ATTACHED

1. PowerPoint Presentation for 2024 Street Maintenance Program

REVIEWED BY:

Requesting Director: ***Tom Degenhardt***	Budget: ***N/A***
Legal: ***N/A***	City Administrator: ***Christine Cates***

2024 Pavement Management Program

ST-06

1

City Maintains approximately 261 Centerline Miles (CL) of Streets (Equivalent)

8.8 CL Miles of Arterial Streets (3.4%)
106.5 CL Miles of Collector Street (40.8%)
145.7 CL Miles of Local Streets (55.8%)

MoDOT Maintains:

Interstate I-70
US Highway 7
US Highway 40

Jackson County/Blue Springs 2000 Maintenance Agreement

Maintenance versus Capital Improvements

2

New Street Miles Added by Year (CL)

2018 – 5.77 Miles
2019 – 0.95 Miles
2020 – 3.93 Miles
2021 – 1.50 Miles
2022 – 2.59 Miles
2023 – 2.04 Miles

3

Street Rating System:

In 2016 the City contracted with Stantec Inc. to systematically drive and rate every segment of roadway in the City and calculate a Pavement Quality Index (PQI) and Pavement Condition Index (PCI) for each segment.

The PQI and PCI are tools for programming streets and not the final determination for the program.

Each segment is rated on a scale from 0.0 to 100.0 and grouped as shown below:

0 to 19.9 – Failed
20 to 39.9 – Poor
40 to 69.9 – Fair
70 to 100 – Good

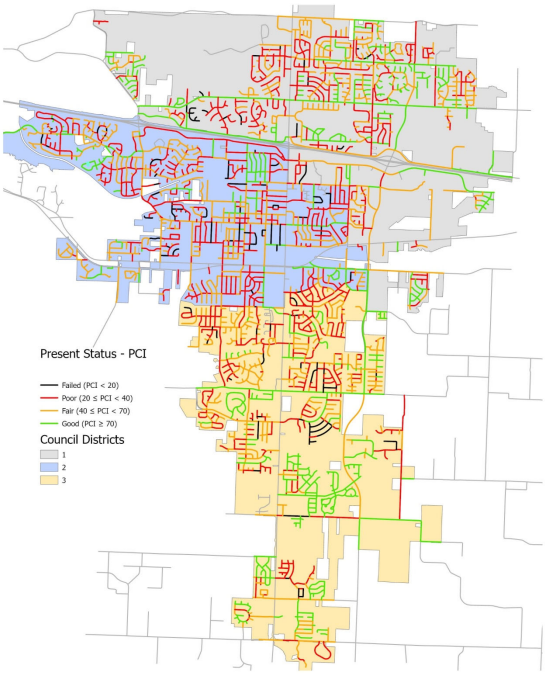
Historical average PCI data:

2016 – 59.5
2019 – 53.2
2023 – 52.6

4

Current PCI Condition:

Failed – 11.5 Miles (4.4%)
Poor – 90.3 Miles (34.6%)
Fair – 87.0 Miles (33.3%)
Good – 72.2 Miles (27.7%)



5

Street Rating System:

SW 12th Street between
SW Chicago and SW South Ave

PCI=10.2 (Failed)

Last Overlayed in 2012



6

Street Rating System:

SE Lake Village Blvd. between Brandywine and Washington

PCI=19.4 (Failed)

Last Overlayed in 2012



7

Street Rating System:

SW Emerald Creek Pl between Pine Creek Ct and Crystal Creek Pl

PCI=31.3 (Poor)

Built in 1992



8

The City of Blue Springs Missouri

Street Rating System:

SW South Ave between
SW 6th St and SW 6th Terr

PCI=50.0 (Fair)

Last Overlayed in 2015



9

The City of Blue Springs Missouri

Street Rating System:

SW Liggett Rd between
7 Hwy and SW 8th Terr

PCI=70.0 (Good)

Last Overlayed in 2017



10

Street Rating System:

SE Moreland School Rd between 7 Hwy and ADP

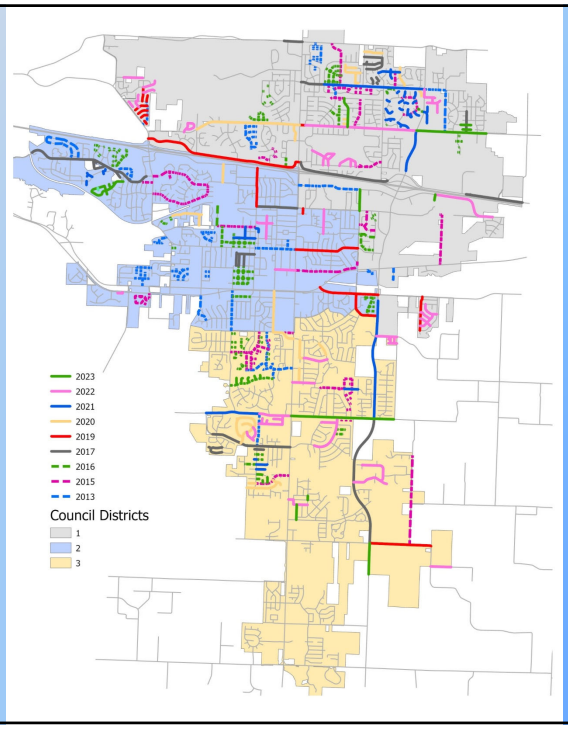
PCI=100.0 (Good)

Last Overlayed in 2023
2013



11

Eleven Year History:



12

History:

Overlay CL Miles per year:

2009 – 24.0 Miles (9.2%)
2010 – 18.0 Miles (6.9%)
2011 – 19.0 Miles (7.3%)
2012 – 18.0 Miles (6.9%)
2013 – 13.5 Miles (5.2%)
2014 – No Program
2015 – 14.0 Miles (5.4%)
2016 – 10.5 Miles (4.0%)
2017 – 11.8 Miles (4.5%)
2018 – No Program
2019 – 7.7 Miles (3.0%)
2020 – 8.0 Miles (3.1%)
2021 – 9.4 Miles (3.6%)
2022 – 13.0 Miles (5.0%)
2023 – 6.0 Miles (2.3%)
2024 – 4.0 Miles (1.5%)*

66.2% = 15 Year Total

* Not final until bid opening and budget verified

13

Patching:



Curb and Sidewalk :



14

Historical Program Cost:

Year	Program Amount	Cost/Ton	Concrete	Patching	CL Mile	Cost/CL Mile
2017	$2,295,605.76	*$54.65	$675,734.05 (29.4%)	$239,797.33 (10.4%)	11.83	$194,049.51
2018						
2019	$2,334,779.81	*$58.40	$762,279.75 (32.6%)	$335,303.57 (14.4%)	7.71	$302,824.88
2020	$2,888,026.08	*$63.35	$747,468.55 (25.9%)	$954,477.94 (33.0%)	8.01	$360,552.57
2021	$3,690,024.26	*$64.15	$1,025,185.65 (27.8%)	$1,364,959.65 (37.0%)	9.38	$393,392.78
2022	$6,416,133.33	*$68.80	$1,264,178.90 (19.7%)	$3,030,484.56 (47.2%)	13.02	$492,790.58
2023	$3,107,325.50	*$84.27	$687,369.42 (22.1%)	$1,145,743.36 (36.9%)	5.97	$520,490.03
2024	$2,020,000.00	*$86.14	$530,000.00 (26.2%)	$520,000.00 (25.7%)	4.00	$505,000.00

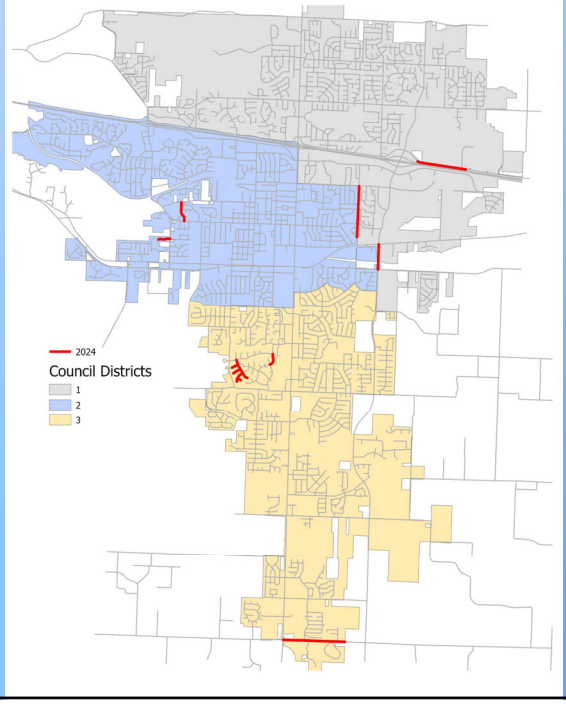
* Unit bid cost, adjusted by asphalt indexing

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*2024 Street Program:

Street Name	From	To	Ave PCI
SW Colbern RD	7 HWY	City Limits	34.5
SE Adams Dairy PKWY	40 HWY	AA	53.6
SE/NE Sunnyside School RD	R D Mize RD	Bent Tree DR	33.1
NE Jefferson ST	East of ADP	East of 20th ST	45.3
SW 10th ST	Stonecreek DR	Shadow Creek CT	18.3
SW Twincreek CT	Twincreek PL	CDS S	16.2
SW Twincreek PL	Emerald Creek PL	CDS W	25.7
SW Pinecreek CT	Emerald Creek PL	CDS W	26.5
SW Crystal Creek PL	Emerald Creek PL	CDS W	31.2
SW Emerald Creek PL	Stonecreek DR	CDS S	29.4
SW Shadow Brook DR	Woods Chapel RD	Shadow Glen DR	17.2
SW/NW 27th ST	Walnut ST	Vesper ST	11.8
Program Average PCI			**27.7**

* List not final until bid opening and budget verified



16

2024 Program Schedule:

January 29, 2024 – Overlay Bid Advertisement
February 14, 2024 – Overlay Pre-Bid Meeting
February 21, 2024 – Overlay Bid Opening
April 1, 2024 – Bid Recommendation to City Council
April 18, 2024 – Notice To Proceed
August 30, 2024 – Construction Complete

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Future Street Program(s):

Optimal Treatment Cycle

Classification	System CL Miles	Treatment Cycle (Yrs)	CL Miles Per Year	Treatment	Cost
Arterial	8.8	7	1.26	* Mill/Overlay	$628,571
Collector	106.5	10	10.65	* Mill/Overlay	$5,325,000
Residential	145.7	15	9.71	* Mill/Overlay	$4,856,667
Total				*** Mill/Overlay**	**$10,810,238**
Residential		5-6 Post	9.71	** Microsurface	$776,800
Yearly Program					**$11,587,038**
				Does not include yearly inflation	

Minimal Treatment Cycle

Classification	System CL Miles	Treatment Cycle (Yrs)	CL Miles Per Year	Treatment	Cost
Arterial	8.8	12	0.73	* Mill/Overlay	$366,667
Collector	106.5	15	7.10	* Mill/Overlay	$3,550,000
Residential	145.7	25	5.83	* Mill/Overlay	$2,914,000
Total				*** Mill/Overlay**	**$6,830,667**
Residential		5-6 Post	5.83	** Microsurface	$466,400
Yearly Program					**$7,297,067**
				Does not include yearly inflation	

* Based on $500,000 per CL Mile
** Based on $ 80,000 per CL Mile

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