

BOARD OF ALDERMEN MEETING

JUNE 13, 2023

PACKET



**Greg Parker, Mayor**  
Shawn Bolerjack, East Ward Alderman  
Kala Sisco, East Ward Alderman  
Kyle Williams, West Ward Alderman  
Amanda Duncan, West Ward Alderman

**MINUTES**  
**BOARD OF ALDERMEN MEETING**  
**202 N. Washington**  
**May 23, 2023**

**Call Meeting to Order**

The regular season meeting of the Board of Alderman of the City of Salem, Missouri, was called to order by Mayor Greg Parker at 6:00 p.m.

**Pledge of Allegiance**

The Pledge of Allegiance was led by Mayor Greg Parker.

**Opening Prayer**

Opening prayer was led by Public Works Mark Nash.

**Roll Call**

Council Members present included Shawn Bolerjack, Kala Sisco, Kyle Williams, and Amanda Duncan. Others in attendance were: City Administrator Sally Burbridge, City Clerk Tammy Koller, City Attorney James Weber, Chief of Police Joe Chase, Public Works Director Mark Nash, Finance Director Stacey Houston, Debbie Murray, Ben Johnson, Stan Podorski.

**Approve Agenda**

Alderman Bolerjack moved to approve the agenda.

Seconded by Alderwoman Sisco.

The vote was 4 Aye-Bolerjack, Sisco, Williams and Duncan. 0 Nay. Motion Carried

**Consent Agenda**

May 9, 2023, Meeting Minutes

Mo Dept. of Rev. Capital Improvements Tax April 2023-\$57,445.83

Mo Dept. of Rev. City Tax April 2023-\$114,891.70

Mo Dept. of Rev. Storm Water/ Local Parks Tax April 2023-\$43,081.74

Parks and Recreation Staff Report-May 2023

Alderman Bolerjack moved to approve the Consent Agenda.

Seconded by Alderman Williams.

The vote was 4 Aye-Bolerjack, Williams, Sisco, and Duncan. 0 Nay. Motion carried.

**Hearing of Persons**

No hearing of persons this agenda.

**Resolution No. 20-2023-A Resolution authorizing the mayor to execute an agreement between the City of Salem, Missouri, and Huntington Bank for the lease of a 2022 Ford F600 Terex TL48 bucket truck.**

Alderman Williams moved to discuss Resolution No. 20-2023.

Seconded by Alderman Bolerjack.

The vote was 4 Aye- Williams, Bolerjack, Sisco and Duncan. 0 Nay. Motion carried.

**Welcome Home Bid Approval-803 W. Glendale Street**

Alderman Bolerjack moved to approve the bid from R. Conway Construction LLC for \$25,550.00 and reject the bid from Mid Missouri Renovations.

Seconded by Alderman Williams.

The vote was 3 Aye-Bolerjack, Williams, and Duncan. 1 Abstain-Sisco. 0 Nay. Motion carried.

**Resolution No. 21-2023-A Resolution authorizing the mayor to enter into an agreement between R. Conway Construction LLC, the City of Salem, Missouri, and John Mooney of property located at 803 West Glendale Street, Salem, Missouri.**

Alderman Bolerjack moved to approve Resolution No.21-2023.

Seconded by Alderwoman Duncan.

The vote was 3-Aye-Bolerjack, Duncan, and Williams. 1 Abstain-Sisco. 0 Nay. Motion carried.

**Welcome Home Bid Approval-708 E. Fourth**

Alderman Williams moved to approve the bid from Mid Missouri Renovations for \$24,480.00 and reject the bid from Jeff Kirker Electric.

Seconded by Alderman Bolerjack.

The vote was 3 Aye-Williams, Bolerjack, and Duncan. 1 Abstain-Sisco. 0 Nay. Motion carried.

**Resolution No. 22-2023-A Resolution authorizing the mayor to enter into an agreement between Mid Missouri Renovation, the City of Salem, Missouri, and Jacqueline Halbrook of property located at 708 East Fourth Street, Salem, Missouri.**

Alderman Williams moved to approve Resolution No. 22-2023.

Seconded by Alderman Bolerjack.

The vote was 3-Aye-Williams, Bolerjack and Duncan. 1 Abstain- Sisco. 0 Nay. Motion carried.

**Financials**

Finance Director Stacey Houston presented the financials for May.

**Reading of Bills (First Reading)**

**Bill No. 3539-An Ordinance authorizing the mayor to sign and execute an agreement between the City of Salem, Missouri, and Hogan's Inc. for contact tank painting services to Well No. 2 and Well No. 4.**

City Clerk Koller read the first reading of Bill No. 3559 by caption only. City Administrator reminded the board this is a first read and to get with staff prior to the next meeting with any questions.

## **Reports of City Officials, Boards and Committees**

City Administrator Sally Burbridge has nothing to report.

Mayor Greg Parker stated that GFL collected 137 tons of trash during the city-wide trash clean up. If anyone missed the trash pickup, please contact him or the administration building.

Mayor Parker reminded citizens trash will run as normal on Memorial Day.

Mayor Greg Parker thanked staff for putting together the Capital Improvement Plan.

Public Works Director Mark Nash reported street crews have been cleaning several ditches due to the rain.

Public Works Director Mark Nash reported the electric department has received the digger derrick truck. The salesman will be in Salem Thursday to do a final inspection. It will then be put into service.

Public Works Director Mark Nash reported they have started the bill collecting side of billing today. They have been pulling reads and should have all those completed by the end of the week.

Alderwoman Kala Sisco reminded citizens there is an ordinance for the maximum length of grass in lawns.

Alderwoman Kala Sisco congratulated the Class of 2023.

Alderwoman Kala Sisco thanked Alderman Bolerjack and his crew for organizing the Color Run.

Alderwoman Kala Sisco reported the Parks and Recreation Board met last night. The meeting went well but barely had a quorum. Alderwoman Sisco reminded citizens of the need for committee members.

Alderwoman Kala Sisco reported the city pool opens this weekend. There are still a few spots available for the summer camp program with a cost of \$200.00 per camper. Alderwoman Sisco added that summer ball starts the first week of June. Alderwoman Sisco asked that citizens attending games park on the right side and exit by the pool to lessen traffic congestion.

Alderwoman Kala Sisco stated there will be an Airport Board Meeting Thursday, June 1 at 6 P.M.

Alderman Shawn Bolerjack reported the Capital Improvement Committee met last week. Alderman Bolerjack added he wanted to thank City Administrator Burbridge and staff for creating the Capital Improvement Plan for the committee to review for the next fiscal year. Alderman Bolerjack reports they were unable to establish a quorum but want to give the committee time to review the Capital Improvement Plan. There will be another Capital Improvements meeting soon to finalize that plan and make a recommendation to both the finance committee and the Board of Aldermen.

Alderman Kyle Williams stated there will be a Planning and Zoning Meeting Thursday, May 23 at 6 P.M.



Alderwoman Amanda Duncan had nothing to report.

**Pursuant to Section 610.021(3) of the Revised State Statutes of the State of Missouri pertaining to the hiring, firing, disciplining, or promoting of particular employees by a public governmental body when personal information about the employee is discussed or recorded.**

Alderwoman Sisco moved to go into closed session for contracts.

Seconded by Alderwoman Duncan.

The vote was 4 Aye- Sisco, Duncan, Bolerjack and Williams. 0 Nay. Motion carried.

At 6:40 p.m. the Board went into Closed Session.

There was no action taken.

### **Adjournment**

Mayor Greg Parker adjourned the meeting at 7:13 p.m.

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Tammy Koller  
City Koller

APPROVED:

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Greg Parker  
Mayor

ATTEST:

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Tammy Koller  
City Clerk

**Salem Public Library  
403 North Jackson  
Salem, Missouri 65560  
(573) 729-4331**

June 4, 2023

Salem Board of Aldermen  
400 N. Iron St.  
Salem, MO 65560

Dear Ladies and Gentlemen,

Salem Public Library wishes to submit city resident Harold Hamilton for approval as a member of the Library Board of Trustees. Mr. Hamilton was nominated by members of the Library Board of Trustees during a meeting on May 11<sup>th</sup>. He has expressed enthusiasm about serving as a trustee. It is believed that he will represent the library well and work to help the library fulfill its mission in the community.

Thank you for your consideration.

Sincerely,

Liz Condray, Trustee



MISSOURI DEPARTMENT OF REVENUE  
TAXATION DIVISION  
PO BOX 3380  
JEFFERSON CITY, MO 65105-3380

Date: June 05, 2023

## SALES TAX DISTRIBUTION DEPOSIT NOTICE

0007-000



SALEM  
CITY CLERK  
400 N IRON ST  
SALEM MO 65560-1429

POLITICAL SUBDIVISION ID: 65234000

Notice Number: 2040364259

Distribution Month: May 2023

Telephone: 573-751-4876  
Fax: 573-522-1160  
Email: [localgov@dor.mo.gov](mailto:localgov@dor.mo.gov)

The Missouri Department of Revenue distributed your local sales tax by electronic funds transfer (ACH) for your credit and use for the May 2023 collections as follows

Deposit Date	06/07/2023
Tax Type Code	210
TaxType Name	CITY CAPITAL IMPROVEMENTS
Bank Name	BANK OF SALEM
Account Number (Last Four Digits)	0117
Tax Distribution	\$77,201.41
Interest Distribution	\$0.00
Amount Deposited	\$77,201.41

Below is your recent account history. You can compare this month's distribution with the same month in prior years for this account. You can also compare the year-to-date distribution with the same year-to-date in prior years.

Account History					
Period	2021	2022	2023	2022 Compared to 2021	2023 Compared to 2022
May 2023	\$66,222.39	\$64,137.12	\$77,201.41	\$(2,085.27)	\$13,064.29
Year-to-Date	\$266,992.26	\$291,185.15	\$322,848.81	\$24,192.89	\$31,663.66

You can access the Department's "Local Taxes Financial Statement" for this month at <http://dor.mo.gov/business/citycounty>.

If you do not receive your distribution or if you require additional information, contact the Taxation Division at the above address, telephone number, fax number, or e-mail.

A city must notify the Department if their boundaries change. Failure to notify the department can result in lost revenue.

The Department is authorized by Section 32.057 RSMo, to release local sales/use tax information to cities that have imposed a sales or use tax. The Department has made this information available in three reports: the Open Business Locations Report, the Financial Sales Tax Distribution Report, and the Financial Use Tax Distribution Report. A portal account must be created on the Department's portal at <https://mytax.mo.gov/rptportal/home/> and a Request for Information/Audit of Local Sales and Use Tax Records (Form 4379) may be completed to request access to these reports. This form is available on our web site at <http://dor.mo.gov/forms/>.



MISSOURI DEPARTMENT OF REVENUE  
TAXATION DIVISION  
PO BOX 3380  
JEFFERSON CITY, MO 65105-3380

Date: June 05, 2023

## SALES TAX DISTRIBUTION DEPOSIT NOTICE

0007-000



SALEM  
CITY CLERK  
400 N IRON ST  
SALEM MO 65560-1429

POLITICAL SUBDIVISION ID: 65234000

Notice Number: 2040363391

Distribution Month: May 2023

Telephone: 573-751-4876  
Fax: 573-522-1160  
Email: [localgov@dor.mo.gov](mailto:localgov@dor.mo.gov)

The Missouri Department of Revenue distributed your local sales tax by electronic funds transfer (ACH) for your credit and use for the May 2023 collections as follows

Deposit Date	06/07/2023
Tax Type Code	200
TaxType Name	CITY
Bank Name	BANK OF SALEM
Account Number (Last Four Digits)	0117
Tax Distribution	\$154,403.00
Interest Distribution	\$0.00
Amount Deposited	\$154,403.00

Below is your recent account history. You can compare this month's distribution with the same month in prior years for this account. You can also compare the year-to-date distribution with the same year-to-date in prior years.

Account History					
Period	2021	2022	2023	2022 Compared to 2021	2023 Compared to 2022
May 2023	\$132,444.89	\$128,274.14	\$154,403.00	\$(4,170.75)	\$26,128.86
Year-to-Date	\$533,985.35	\$582,370.08	\$645,696.80	\$48,384.73	\$63,326.72

You can access the Department's "Local Taxes Financial Statement" for this month at <http://dor.mo.gov/business/citycounty>.

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MISSOURI DEPARTMENT OF REVENUE  
TAXATION DIVISION  
PO BOX 3380  
JEFFERSON CITY, MO 65105-3380

Date: June 05, 2023

## SALES TAX DISTRIBUTION DEPOSIT NOTICE

0007-000



SALEM  
CITY CLERK  
400 N IRON ST  
SALEM MO 65560-1429

POLITICAL SUBDIVISION ID: 65234000

Notice Number: 2040364643

Distribution Month: May 2023

Telephone: 573-751-4876  
Fax: 573-522-1160  
Email: [localgov@dor.mo.gov](mailto:localgov@dor.mo.gov)

The Missouri Department of Revenue distributed your local sales tax by electronic funds transfer (ACH) for your credit and use for the May 2023 collections as follows

Deposit Date	06/07/2023
Tax Type Code	260
TaxType Name	CITY STORM WATER/LOCAL PARKS
Bank Name	BANK OF SALEM
Account Number (Last Four Digits)	0117
Tax Distribution	\$57,901.18
Interest Distribution	\$0.00
Amount Deposited	\$57,901.18

Below is your recent account history. You can compare this month's distribution with the same month in prior years for this account. You can also compare the year-to-date distribution with the same year-to-date in prior years.

Account History					
Period	2021	2022	2023	2022 Compared to 2021	2023 Compared to 2022
May 2023	\$49,666.80	\$48,103.95	\$57,901.18	\$(1,562.85)	\$9,797.23
Year-to-Date	\$200,511.67	\$218,327.43	\$242,123.86	\$17,815.76	\$23,796.43

You can access the Department's "Local Taxes Financial Statement" for this month at <http://dor.mo.gov/business/citycounty>

If you do not receive your distribution or if you require additional information, contact the Taxation Division at the above address, telephone number, fax number, or e-mail.

A city must notify the Department if their boundaries change. Failure to notify the department can result in lost revenue.

The Department is authorized by Section 32.057 RSMo, to release local sales/use tax information to cities that have imposed a sales or use tax. The Department has made this information available in three reports: the Open Business Locations Report, the Financial Sales Tax Distribution Report, and the Financial Use Tax Distribution Report. A portal account must be created on the Department's portal at <https://mytax.mo.gov/rptp/portal/home/> and a Request for Information/Audit of Local Sales and Use Tax Records (Form 4379) may be completed to request access to these reports. This form is available on our web site at <http://dor.mo.gov/forms/>.

CITY OF SALEM  
CITY CLERK  
400 N IRON ST  
SALEM

MO 65560

MISSOURI DEPARTMENT OF REVENUE

05/15/23

WE HAVE INSTRUCTED THE CENTRAL BANK, JEFFERSON CITY, TO DISTRIBUTE YOUR  
MONIES TOTALING \$ 16,529.97 BY ELECTRONIC FUNDS TRANSFER (ACH) TO

THE BANK OF SALEM 081503694 CITY OF SALEM-ENTERPRISE FUND/AC-0410117

MOTOR FUEL TAX	\$	12,141.20
MOTOR V SALES TAX	\$	3,346.77
MOTOR V FEE INCREASES	\$	1,042.00

FOR YOUR CREDIT AND USE ON 05/19/23.  
IF YOU DO NOT RECEIVE YOUR DISTRIBUTION OR IF YOU HAVE QUESTIONS CONCERNING  
THE AMOUNT OF YOUR DISTRIBUTION, PLEASE CONTACT THE MISSOURI DEPARTMENT  
OF REVENUE AT (573) 751-2611.

# Salem Police Department

500 N Jackson St., Salem, MO 65560

## Incident Time Analysis Report A

All times shown in Minutes : Seconds

Report By: All Categories

Date Range: From 05/01/2023 00:00 to 05/31/2023 23:59

Precinct/Sector/Geo/Ward: All Precincts, Sectors, ESZs, Geos, Wards

Category	SubCategory	#Incidents	Average Stacked Time	Average Response Time	Average On Scene Time	% of Total Incidents
911 HANG UP		5	1:06	2:05	13:58	0.80
96 HOUR DETENTION ORDER		4	3:09	13:37	132:01	0.64
ABANDONED VEHICLE		2	1:19	0:28	24:40	0.32
ACCIDENT		9	1:21	1:58	14:17	1.44
ALARM	COMMERCIAL	5	0:41	0:57	5:54	0.80
AMBULANCE CALL		29	1:11	1:24	19:32	4.65
ANIMAL CALL		44	2:38	2:45	16:56	7.06
AREA CHECK		26	2:18	3:53	6:53	4.17
ASSAULT/FIGHT	NOT IN PROGRESS	6	6:11	6:09	26:24	0.96
ASSIST OTHER AGENCY		10	1:25	4:22	25:59	1.61
BUILDING INSPECTION		1		0:00	5:09	0.16
BURGLARY	IN PROGRESS	1		0:00	3:19	0.16
BURGLARY	NOT IN PROGRESS	4	2:51	0:55	8:17	0.64
CALL FOR SERVICE		25	4:58	2:40	33:43	4.01
CHECK THE WELL BEING		25	2:52	4:05	15:50	4.01
CIVIL MATTER		10	2:49	2:20	12:39	1.61
COURT		1		0:00	26:43	0.16
COURTESY TRANSPORT		1		0:00	39:11	0.16
DISTURBANCE	PHYSICAL	1	0:58	1:25	7:57	0.16
DISTURBANCE	VERBAL	23	1:48	1:54	23:02	3.69
DOMESTIC	IN PROGRESS	7	1:22	2:24	14:25	1.12
DOMESTIC	NOT IN PROGRESS	4	1:19	1:19	15:46	0.64
DRUG OFFENSE		2	6:16	10:05	0:58	0.32
ESCORT		16	42:55	8:43	26:53	2.57
EXPARTE VIOLATION	NOT IN PROGRESS	1	0:43	0:57	11:01	0.16
FIRE CALL		3	1:06	1:32	18:53	0.48
FOLLOW UP INVESTIGATION		56	1:27	0:13	16:38	8.99
FOUND PROPERTY		5	77:57	1:55	6:44	0.80
FRAUD		4	1:17	1:08	23:03	0.64
HARASSMENT		5	3:15	0:06	11:09	0.80
HOTLINE CALL		1	0:54	8:01	5:11	0.16
INFORMATION		7	40:08	2:00	4:19	1.12
INTOXICATED DRIVER		1	0:37			0.16
INTOXICATED PEDESTRIAN		1	0:15	4:03	13:06	0.16
JUVENILE PROBLEM		1		0:00	0:41	0.16
LEAVE WITHOUT PAY		3	3:44	2:30	12:32	0.48
LIFT ASSIST		4	1:17	2:31	9:27	0.64
LOST/STOLEN PROPERTY		2	4:27	5:31	16:26	0.32
MISC ADMIN DUTY		37	2:05	1:56	42:08	5.94

# Salem Police Department

500 N Jackson St., Salem, MO 65560

## Incident Time Analysis Report A

All times shown in Minutes : Seconds

Report By: All Categories

Date Range: From 05/01/2023 00:00 to 05/31/2023 23:59

Precinct/Sector/Geo/Ward: All Precincts, Sectors, ESZs, Geos, Wards

Category	SubCategory	#Incidents	Average Stacked Time	Average Response Time	Average On Scene Time	% of Total Incidents
MISC HAZARD		3	1:07	0:01	9:08	0.48
MISSING PERSON		2	1:15	1:17	144:27	0.32
MOTORIST ASSIST		4	1:49	0:13	31:52	0.64
NUISANCE VIOLATION		10	14:34	1:39	10:13	1.61
PANHANDLING		1	0:20	1:49	8:32	0.16
PARKING COMPLAINT		2	0:14	6:31	7:16	0.32
PEDESTRIAN CHECK		1		0:00	2:36	0.16
POWER OUTAGE		4	2:22	58:31	0:08	0.64
PROPERTY DAMAGE		11	2:35	2:25	14:58	1.77
SEX OFFENSE		1		0:00	19:37	0.16
SHOPLIFTER		5	0:44	2:06	21:57	0.80
SHOTS FIRED		1	2:03	3:20	15:16	0.16
STEALING	NOT IN PROGRESS	21	6:23	2:47	17:11	3.37
STREET DEPT CALL OUT		2	39:57	0:47	2:16	0.32
SUICIDAL PERSON		2	0:22	1:10	62:28	0.32
SUSPICIOUS CIRCUMSTANCES		14	1:09	1:52	10:34	2.25
SUSPICIOUS SUBJECT		15	2:31	0:44	8:20	2.41
SUSPICIOUS VEHICLE		7	11:50	2:00	9:31	1.12
TRAFFIC COMPLAINT		9	1:38	3:50	3:29	1.44
TRAFFIC STOP		63	1:25	0:00	5:57	10.11
TRAINING		1		0:00	4:02	0.16
TRESPASSING		4	2:17	1:33	15:10	0.64
UCR		10	18:22	12:43	3:39	1.61
WALK - IN		6	0:55	2:43	12:35	0.96
WALK THROUGH		17	0:20	0:13	8:45	2.73
WARRANT ATTEMPT		11	2:31	1:01	14:08	1.77
WATER SEWER PROBLEM		4	20:23			0.64

Total Incidents For Date Range **623**

Average Stacked Time **5:50** min : sec

Average Response Time **2:21** min : sec

Average On Scene Time **17:35** min : sec



## MUNICIPAL DIVISION SUMMARY REPORTING FORM

<b>COURT INFORMATION</b>	Municipality: CITY OF SALEM	Reporting Period: May 1, 2023 - May 31, 2023
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<b><u>V. DISBURSEMENTS</u></b>			
<b>Excess Revenue (minor traffic and municipal ordinance violations, subject to the excess revenue percentage limitation)</b>		<b>Other Disbursements:</b> Enter below additional surcharges and/or fees not listed above. Designate if subject to the excess revenue percentage limitation. Examples include, but are not limited to, arrest costs and witness fees.	
Fines - Excess Revenue	\$0.00	No Data Available	
Clerk Fee - Excess Revenue	\$0.00	<b>Total Disbursements of Costs, Fees, Surcharges and Bonds Forfeited</b>	\$0.00
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Excess Revenue	\$0.00	<b>Bond Refunds</b>	\$0.00
Bond forfeitures (paid to city) - Excess Revenue	\$0.00	<b>Total Disbursements</b>	\$0.00
<b>Total Excess Revenue</b>	\$0.00		
<b>Other Revenue (non-minor traffic and ordinance violations, not subject to the excess revenue percentage limitation)</b>			
Fines - Other	\$0.00		
Clerk Fee - Other	\$0.00		
Judicial Education Fund (JEF) <input type="checkbox"/> Court does not retain funds for JEF	\$0.00		
Peace Officer Standards and Training (POST) Commission surcharge	\$0.00		
Crime Victims Compensation (CVC) Fund surcharge - Paid to State	\$0.00		
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Other	\$0.00		
Law Enforcement Training (LET) Fund surcharge	\$0.00		
Domestic Violence Shelter surcharge	\$0.00		
Inmate Prisoner Detainee Security Fund surcharge	\$0.00		
Restitution	\$0.00		
Parking ticket revenue (including penalties)	\$0.00		
Bond forfeitures (paid to city) - Other	\$0.00		
<b>Total Other Revenue</b>	\$0.00		

# MUNICIPAL DIVISION SUMMARY REPORTING FORM

Refer to instructions for directions and term definitions. Complete a report each month even if there has not been any court activity.

<b><u>I. COURT INFORMATION</u></b>		Municipality: CITY OF SALEM		Reporting Period: May 1, 2023 - May 31, 2023	
Mailing Address: DENT COUNTY COURTHOUSE, SALEM, MO 65560					
Physical Address: DENT COUNTY COURTHOUSE, SALEM, MO 65560				County: Dent County	
Telephone Number: (573)7293931		Fax Number:			
Prepared by: KRISTI CRAIG		E-mail Address:			
Municipal Judge:					
<b><u>II. MONTHLY CASELOAD INFORMATION</u></b>					
		Alcohol & Drug Related Traffic	Other Traffic	Non-Traffic Ordinance	
A. Cases (citations/informations) pending at start of month		3	33	47	
B. Cases (citations/informations) filed		0	0	0	
C. Cases (citations/informations) disposed					
1. jury trial (Springfield, Jefferson County, and St. Louis County only)		0	0	0	
2. court/bench trial - GUILTY		0	0	0	
3. court/bench trial - NOT GUILTY		0	0	0	
4. plea of GUILTY in court		0	0	0	
5. Violations Bureau Citations (i.e. written plea of guilty) and bond forfeiture by court order (as payment of fines/costs)		0	0	0	
6. dismissed by court		0	0	0	
7. <i>nolle prosequi</i>		0	0	0	
8. certified for jury trial (not heard in Municipal Division)		0	0	0	
<b>9. TOTAL CASE DISPOSITIONS</b>		0	0	0	
D. Cases (citations/informations) pending at end of month [pending caseload = (A+B)-C9]		3	33	47	
E. Trial de Novo and/or appeal applications filed		0	0	0	
<b><u>III. WARRANT INFORMATION (pre- &amp; post-disposition)</u></b>					
1. # Issued during reporting period		0	<b><u>IV. PARKING TICKETS</u></b>		
2. # Served/withdrawn during reporting period		0	<input type="checkbox"/> Court staff does not process parking tickets		
3. # Outstanding at end of reporting period		96			

# MUNICIPAL DIVISION SUMMARY REPORTING FORM

<b><u>COURT INFORMATION</u></b>	Municipality: CITY OF SALEM	Reporting Period: May 1, 2023 - May 31, 2023
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## **V. DISBURSEMENTS**

<b>Excess Revenue (minor traffic and municipal ordinance violations, subject to the excess revenue percentage limitation)</b>		<b>Other Disbursements:</b> Enter below additional surcharges and/or fees not listed above. Designate if subject to the excess revenue percentage limitation. Examples include, but are not limited to, arrest costs and witness fees.	
Fines - Excess Revenue	\$1,057.50	No Data Available	
Clerk Fee - Excess Revenue	\$0.00	<b>Total Disbursements of Costs, Fees, Surcharges and Bonds Forfeited</b>	\$1,217.00
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Excess Revenue	\$0.00	<b>Bond Refunds</b>	\$0.00
Bond forfeitures (paid to city) - Excess Revenue	\$0.00	<b>Total Disbursements</b>	\$1,217.00
<b>Total Excess Revenue</b>	\$1,057.50		
<b>Other Revenue (non-minor traffic and ordinance violations, not subject to the excess revenue percentage limitation)</b>			
Fines - Other	\$119.50		
Clerk Fee - Other	\$0.00		
Judicial Education Fund (JEF) <input type="checkbox"/> Court does not retain funds for JEF	\$0.00		
Peace Officer Standards and Training (POST) Commission surcharge	\$0.00		
Crime Victims Compensation (CVC) Fund surcharge - Paid to State	\$0.00		
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Other	\$0.00		
Law Enforcement Training (LET) Fund surcharge	\$20.00		
Domestic Violence Shelter surcharge	\$0.00		
Inmate Prisoner Detainee Security Fund surcharge	\$20.00		
Restitution	\$0.00		
Parking ticket revenue (including penalties)	\$0.00		
Bond forfeitures (paid to city) - Other	\$0.00		
<b>Total Other Revenue</b>	\$159.50		



# MUNICIPAL DIVISION SUMMARY REPORTING FORM

Refer to instructions for directions and term definitions. Complete a report each month even if there has not been any court activity.

<b><u>I. COURT INFORMATION</u></b>		Municipality: CITY OF SALEM		Reporting Period: May 1, 2023 - May 31, 2023	
Mailing Address: 112 E 5TH STREET, SALEM, MO 65560					
Physical Address: 112 E 5TH STREET, SALEM, MO 65560				County: Dent County	
Telephone Number:		Fax Number:			
Prepared by: KRISTI CRAIG		E-mail Address:			
Municipal Judge:					
<b><u>II. MONTHLY CASELOAD INFORMATION</u></b>				Alcohol & Drug Related Traffic	Other Traffic
A. Cases (citations/informations) pending at start of month				0	33
B. Cases (citations/informations) filed				0	24
C. Cases (citations/informations) disposed					
1. jury trial (Springfield, Jefferson County, and St. Louis County only)				0	0
2. court/bench trial - GUILTY				0	0
3. court/bench trial - NOT GUILTY				0	0
4. plea of GUILTY in court				0	11
5. Violations Bureau Citations (i.e. written plea of guilty) and bond forfeiture by court order (as payment of fines/costs)				0	1
6. dismissed by court				0	0
7. <i>nolle prosequi</i>				0	7
8. certified for jury trial (not heard in Municipal Division)				0	0
<b>9. TOTAL CASE DISPOSITIONS</b>				0	19
D. Cases (citations/informations) pending at end of month [pending caseload = (A+B)-C9]				0	38
E. Trial de Novo and/or appeal applications filed				0	0
<b><u>III. WARRANT INFORMATION (pre- &amp; post-disposition)</u></b>				<b><u>IV. PARKING TICKETS</u></b>	
1. # Issued during reporting period		6		1. # Issued during period	
2. # Served/withdrawn during reporting period		1		<input type="checkbox"/> Court staff does not process parking tickets	
3. # Outstanding at end of reporting period		52			

**REGULAR MEETING  
SALEM AIRPORT BOARD  
DECEMBER 8<sup>TH</sup> 2022  
7:00 P.M.  
CITY HALL COUNCIL CHAMBERS  
202 N. WASHINGTON  
SALEM, MISSOURI 65560**

**AIRPORT BOARD MEMBERS:**

**Tyler Naramore  
Jim Heavin  
Jon Mihalka (phone)  
John Maledy  
Steve Spencer  
Rick Parks**

**CITY OFFICIALS:**

**Sally Burbridge Economic Development  
Brent Young Airport Manager  
Shawn Bolerjack East Ward Alderman  
Ian Wright/Lochner Civil Engineer**

**Board members absent: Kala Sisco Alderwoman**

**Others present: NONE**

**AGENDA**

**APPROVAL OF MINUTES**

Rick Parks motioned to approve the minutes of the last stated meeting of August 25<sup>th</sup> 2022, motion seconded by John Maledy. All in favor, motion approved.

**PRESENTATION OF 10 YEAR AIRPORT CAPITAL IMPROVEMENT PLAN**

Ian Wright with Lochner Design and Engineering gave a presentation for future development of the City of Salem Airport, providing available funding through (CRRSA), Coronavirus Response and Relief Supplement Appropriations Act grant.

*Ian Wright discussed requirements obtaining other available funding grants for our 10 year plan, that would provide for airport improvements for the City of Salem and Dent County communities.*

**REGULAR MEETING  
SALEM AIRPORT BOARD  
DECEMBER 8<sup>TH</sup> 2022  
7:00 P.M.  
CITY HALL COUNCIL CHAMBERS  
202 N. WASHINGTON  
SALEM, MISSOURI 65560**

Approved federal funding costs for 6 Unit T-Hangar of \$745,000 through acquired Capital Improvement Plan federal grant. Bidding for hangar construction to begin March 2023. Materials ordered in fall of 2023 and completion late 2023.

Rick Parks noted construction of new hangars is good for our airport and revenue for the City of Salem.

Future planning of other projects are part of an extended upgrade for considerations for airport improvements through accumulated federal grant funds

- Future Airport Hangar Construction
- Runway Extension
- Airport Runway, Taxiway, Apron Improvements
- Pavement Markings and Improvements
- Runway and Taxiway Lighting
- Fuel Delivery System

#### **FUEL TANK UPDATE**

John Maledy asked questions on status and progress of the fuel system.

Tyle Naramore reported fuel tank has been cleaned. Our old fuel pump is now working with a backup pump if needed.

Card reader has been ordered with a purchaser's deposit with status now on back order.

**REGULAR MEETING  
SALEM AIRPORT BOARD  
AUGUST 25<sup>TH</sup> 2022  
6:45 P.M.  
CITY HALL COUNCIL CHAMBERS  
202 N. WASHINGTON  
SALEM, MISSOURI 65560**

**GATE OPENER**

Pending.

**PILOT LOUNGE**

Discussion on improvements for pilot lounge. Building improvement extension. Air conditioning. Alternate source of funding needed.

No action.

**ROUTINE AIRPORT MAINTENANCE**

Tyler Naramore requested hangar #6 have concrete floor pad improvement to help with difficulty moving aircraft in and out hangar.

Steve Spencer mentioned fuel ladder steps need to be replaced with oak wood.

Rick Parks recommended we have a sign made for the airport.

**NEW BUSINESS**

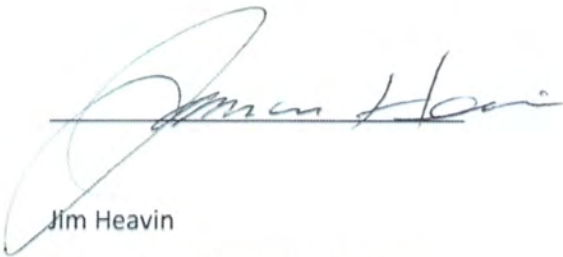
Airport Advisory Board approved for Ian Wright/Lochner Engineering to move forward with future planning for funding consideration of future Taxiway, Hangar, and Runway Upgrades and Improvements.

**ADJOURNMENT**

Motion for adjournment was made by Steve Spencer seconded by Rick Parks. All in favor, motion approved.



REGULAR MEETING  
SALEM AIRPORT BOARD  
AUGUST 25<sup>TH</sup> 2022  
6:45 P.M.  
CITY HALL COUNCIL CHAMBERS  
202 N. WASHINGTON  
SALEM, MISSOURI 65560



Jim Heavin

Airport Board Secretary Pro Tem

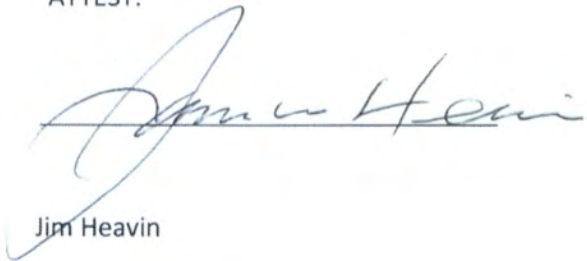
APPROVED:



Tyler Naramore

Airport Board President

ATTEST:



Jim Heavin

Airport Board Secretary Pro Tem





400 N. Iron Street, Salem, Missouri 65560  
(573) 729-4811 Fax (573) 729-5371  
www.salemmo.com

## CAPITAL IMPROVEMENT COMMITTEE

### MEETING MINUTES

May 16, 2023

City Hall Council Chambers, 202 N. Washington

**Members Present:** Chairman Shawn Bolerjack, Alderman Kyle Williams, Annie Deatherage, Bernie Sirois, Mayor Greg Parker (Ex Officio)

**City Staff Present:** City Administrator Sally Burbridge, City Clerk Tammy Koller, Finance Director Stacey Houston, Public Works Director Mark Nash, Police Chief Joe Chase, Street Superintendent Brent Young, Water/Sewer Superintendent Donnie Moore, Parks and Recreation Director Melissa DuBois

**Visitors Present:** Alderwoman Kala Sisco, Debbie Murphy

- I. Call to Order: Meeting was called to order at 6:00 PM. Quorum was not established.
- II. Review Requested Funds for FY 23-24: City Administrator Burbridge presented the proposed Capital Improvement Plan (CIP) for the next five years for the committee's review in a new format with various City funds, including the Capital Improvement fund. The CIP (attached) explains what the program is and which items qualify to be funded as a capital improvement project. The CIP also lists each project with a description, justification and requested/anticipated budgeted amount for each project over the next five years.

For FY 23-24, the proposed expenditures for capital improvement projects in the CIP is \$4,574,385.12 with various revenue sources including the capital improvement sales tax, grants, etc.

Another Capital Improvement Committee meeting will be scheduled to give the committee time to review and finalize the CIP.

- III. Adjournment: Committee adjourned at 7:52 PM

MAYOR  
Greg Parker

**ALDERMEN**

East Ward  
Shawn Bolerjack  
Kala Sisco

West Ward  
Amanda Duncan  
Kyle Williams

**PARKS AND RECREATION:** Melissa DuBois  
**POLICE DEPARTMENT:** Joe Chase



**PUBLIC WORKS:** Mark Nash  
**UTILITIES:** Jennifer Cochran

**CITY ADMINISTRATOR**  
Sally Burbridge

**CITY CLERK**  
Tammy Koller

**CITY ATTORNEY**  
James Weber

**BUILDING INSPECTION:** Jarred Brown  
**FINANCE:** Stacey Houston

## **CAPITAL IMPROVEMENT PROGRAM**

### **About the CIP**

The Capital Improvement Program (CIP) is a plan for the city's capital investments over a five-year period. The CIP is both a fiscal and planning device that allows the City to project all capital costs, funding sources, and timing. Each year the CIP is reviewed by the Capital Improvement Committee and the Board of Aldermen within the context of ongoing city, county, and state planning, programs, and policies.

The City of Salem' CIP was developed around two primary goals: 1) to ensure the appropriate maintenance of existing infrastructure and facilities; and, 2) to plan effectively for future needs given current resources. The CIP document provides the Board of Aldermen, the staff, and the public with a framework for planning and scheduling capital projects. The plan presents a clear picture of projects scheduled for the current year. The process of updating the plan annually also provides an opportunity to revise the document based on changing community needs and priorities, revised cost estimates, or alternative funding sources.

Capital investments in the CIP involve major city assets that normally have long, useful lives of at least 5 years and values of at least \$10,000. Items included within the CIP are usually found within one of the following five categories:

1. The acquisition of land and/or buildings for a public purpose.
2. The construction of a significant facility, i.e., a building or a road, or the

addition to or extension of an existing facility.

3. Rehabilitation or major repair to all or part of a facility, i.e., infrequent repairs that are not considered to be recurring maintenance.
4. The annual street maintenance program, including replacement or repair of concrete and asphalt pavement streets.
5. Vehicles, equipment, furniture, and fixtures.

Some capital projects affect future operating budgets either positively or negatively by influencing maintenance costs or by providing capacity for new services to be offered. Such impacts vary widely from project to project and, as such, are evaluated individually during the process of assessing project feasibility. Eight separate funds provide necessary funding for the Capital Improvement Program. These funds include the Special Streets Fund, Capital Improvement Sales Tax Fund, Park Improvement Sales Tax Fund, and the Electric, Wastewater and Water Repair and Replacement Funds, and the Economic Development Fund.

The current CIP for years 2024-2028 includes projected capital expenditures totaling \$17,571,602. The first year of the program is contained within the capital portion of the 2024 budget totaling \$4,574,385. The remaining four years will serve as a financial plan for capital investments. The CIP compliments the Annual Budget and is updated each budget cycle.

## Operating Fund Impacts

Whenever the city commits to a capital project, there is an associated long-range impact on operating funds. Most capital projects affect future operating budgets either positively or negatively by influencing maintenance costs or by providing capacity for new services to be offered. Such impacts vary widely from project to project and, as such, are evaluated individually during the process of assessing project feasibility. The amount of impact is categorized as:

1. **Positive:** The project will either generate revenue to offset expenses or will actually reduce overall operating costs.
2. **Negligible:** The impact will be very small. The project will generate less than \$10,000 per year in increased operating expenditures or savings.
3. **Slight:** The impact will be between \$10,000 and \$25,000 per year in increased operating expenditures.
4. **Moderate:** The impact will be between \$25,000 and \$50,000 per year in increased operating expenditures.
5. **High:** The project will increase operating expenditures by more than \$50,000 annually.

These evaluations are noted individually to each project in the CIP Details table.

## Long-Range Planning

Looking ahead, the City of Salem's replacement and repair schedule ... To be completed for inclusion in final budget documents once CIP is finalized.

There are other capital investments for the coming years that must be viewed as unfunded at this time. Decisions will be required for the future years on revenue and prioritization of spending decisions to achieve sustainability in the CIP.

## CIP Item Appropriations

Each item detailed in the CIP is, for appropriation purposes, located in the budget detail of the corresponding department.

## Reserve Fund Balance Policy

### Introduction

The establishment and maintenance of adequate reserve balances allow the City financial flexibility and security. Reserve fund balances provide the means to handle economic uncertainties, local disasters and other unanticipated financial hardships.

### Minimum Fund Balances

1. The City will strive to maintain electric, water, and sewer reserve fund balances of at least 25% of the prior completed fiscal year's actual expenditures for the respective department.
2. The City's annual budget shall include budgeted transfers to reserve fund balances of at least 5% of the prior completed fiscal year's actual expenditures for the respective department. Budgeted transfers to reserve fund balances will be made quarterly with the 4<sup>th</sup> quarter installment amounts determined by the City's financial condition.

### Spending From Reserve Fund Balances

3. A simple majority of the full Board of Aldermen may approve expenditures from reserve fund balances.

**City of Salem, Missouri**  
**Fiscal Year 2024 Capital Improvement Plan Details**

		FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL	Impact on Operations
<b>201- Special Streets Fund</b>								
Streets	Pre-Existing Leases & Debt	\$ 37,520.00	\$ 43,520.00	\$ 43,520.00	\$ 43,520.00	\$ 43,520.00	\$ 211,600.00	
Streets	Street Repaving	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 600,000.00	
<b>201- Special Streets Fund Total</b>		<b>\$ 157,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 811,600.00</b>	<b>811600</b>
<b>210- Park Improvement Fund</b>								
	Leases & Debt	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00	
	Vehicle Replacement	\$ 35,000.00	\$ -	\$ -	\$ -	\$ -	\$ 35,000.00	
	Pool Improvements - Filter Replacement	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00	
	Pool Lighting R&R - Future Placeholder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Pool Parking Repaving - Future Placeholder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>210- Park Improvement Fund Total</b>		<b>\$ 144,306.00</b>	<b>\$ 134,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 606,530.00</b>	\$ 606,530.00
<b>301- Capital Improvement Fund</b>								
	Pre-Existing Leases & Debt	\$ 141,270.00	\$ 141,270.00	\$ 141,270.00	\$ 141,270.00	\$ 132,770.00	\$ 697,850.00	
<b>Pre-Existing Leases &amp; Debt Subtotal</b>		<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 132,770.00</b>	<b>\$ 697,850.00</b>	
Bldg Insp	Dangerous Structure Remediation	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 75,000.00	
<b>Bldg Insp Subtotal</b>		<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 75,000.00</b>	
	Personnel Svs							
Construction	Sidewalk Construction	\$ 130,000.00	\$ 133,900.00	\$ 137,917.00	\$ 142,054.51	\$ 146,316.15	\$ 690,187.66	
Construction	Overtime Sidewalk Construction	\$ 1,766.00	\$ 1,818.98	\$ 1,873.55	\$ 1,929.76	\$ 1,987.65	\$ 9,375.93	
Construction	Fica	\$ 10,300.00	\$ 10,609.00	\$ 10,927.27	\$ 11,255.09	\$ 11,592.74	\$ 54,684.10	
Construction	Sidewalk Construction	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00	
Construction	Downtown Tap Grant - Sidewalks & Pavers	\$ 70,521.96	\$ -	\$ -	\$ -	\$ -	\$ 70,521.96	
Construction	Concrete Forms	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00	
Construction	Backhoe	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 100,000.00	
Construction	Utility Bed	\$ -	\$ -	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	
<b>Sidewalk Construction Total</b>		<b>\$ 242,587.96</b>	<b>\$ 271,327.98</b>	<b>\$ 195,717.82</b>	<b>\$ 180,239.35</b>	<b>\$ 184,896.53</b>	<b>\$ 1,074,769.65</b>	\$ 1,074,769.65
Electric	DowntownTap Grant- Light Poles & Undergrounding	\$ 70,006.45	\$ -	\$ -	\$ -	\$ -	\$ 70,006.45	
<b>Ele Downtown Project Total</b>		<b>\$ 70,006.45</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,006.45</b>	
Streets	General Culvert Replacement	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 30,000.00	
Streets	Hydrovac Truck	\$ 47,500.00	\$ -	\$ -	\$ -	\$ -	\$ 47,500.00	
Streets	Brush Hog	\$ 20,250.00	\$ -	\$ -	\$ -	\$ -	\$ 20,250.00	
Streets	Salt Bin Improvements	\$ 15,500.00	\$ -	\$ -	\$ -	\$ -	\$ 15,500.00	
Streets	Cemetery - Vehicle Replacement	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00	
Streets	Tractor	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00	
Streets	Replace Storm Water Culverts on Henderson St.	\$ -	\$ 45,000.00	\$ -	\$ -	\$ -	\$ 45,000.00	
Streets	Rotary Cutter for Skid Steer	\$ -	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	
Streets	Dump Truck	\$ -	\$ -	\$ -	\$ 195,000.00	\$ -	\$ 195,000.00	
<b>Streets Fund Total</b>		<b>\$ 89,250.00</b>	<b>\$ 151,000.00</b>	<b>\$ 21,000.00</b>	<b>\$ 201,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 468,250.00</b>	\$ 468,250.00

**City of Salem, Missouri**  
**Fiscal Year 2024 Capital Improvement Plan Details**

		FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL	Impact on Operations
Police	Vehicle Replacement (2)	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ -	\$ 450,000.00	
Police	911 Enhancement	\$ 12,500.00	\$ -	\$ -	\$ -	\$ -	\$ 12,500.00	
Police	K9 Replacement	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00	
Police Subtotal		\$ 12,500.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 27,500.00	\$ 27,500.00
Econ Dev	Masters Industrial Park Signs	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00	
Econ Dev	Voluntary Residential Demolition Program	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 100,000.00	
Econ Dev Subtotal		\$ 70,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 150,000.00	\$ 150,000.00
301- Capital Improvement Fund Total		\$ 640,614.41	\$ 613,597.98	\$ 392,987.82	\$ 557,509.35	\$ 358,666.53	\$ 2,563,376.10	\$ 2,563,376.10
								\$ -
502/503- Electric Reserve Fund								
Electric	Leases & Debt - Not in Subtotal	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 2,121,355.00	
Electric	Transformers	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 150,000.00	
Electric	Utility Poles	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00	
Electric	Hydrovac Truck	\$ 47,500.00					\$ 47,500.00	
Electric	Bucket Truck			\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 150,000.00	
Electric	Vehicle Replacement			\$ 50,000.00			\$ 50,000.00	
Electric	Ind Park Ele Feeder Line					\$ 300,000.00	\$ 300,000.00	
Electric	Line Replacement					\$ 250,000.00	\$ 250,000.00	
Electric Reserve Fund Total		\$ 102,500.00	\$ 55,000.00	\$ 155,000.00	\$ 105,000.00	\$ 655,000.00	\$ 1,072,500.00	\$ 1,072,500.00
511/512- Water Reserve Fund								
Water	Leases & Debt - Not in Subtotal	\$ 115,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 529,055.00	
Water	Line Replacement	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00	
Water	New Well & Tower	\$ 6,344.00	\$ 31,656.00	\$ -	\$ -	\$ -	\$ 38,000.00	
Water	Hydrovac Truck	\$ 47,500.00	\$ -	\$ -	\$ -	\$ -	\$ 47,500.00	
Water	Lead Line Service Mapping	\$ 30,000.00	\$ -	\$ -	\$ -		\$ 30,000.00	
Water	Center St. Water Line Replacement		\$ 175,000.00				\$ 175,000.00	
Water	Ind Park Water Tower Rehab			\$ 400,000.00			\$ 400,000.00	
Water Reserve Fund Total		\$ 143,844.00	\$ 266,656.00	\$ 460,000.00	\$ 60,000.00	\$ 60,000.00	\$ 990,500.00	\$ 990,500.00
521/522- WasteWater Reserve Fund								
WWater	Leases & Debt - Not in Subtotal	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 1,528,950.00	
WWater	WW Treatment Plant Upgrades	\$ 8,505.05	\$ 41,494.95				\$ 50,000.00	
WWater	Hydrovac Truck	\$ 47,500.00					\$ 47,500.00	
WWater	I&I Mapping	\$ 22,850.00					\$ 22,850.00	
WWater	I&I Rehabilitation-80000		\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 480,000.00	
WWater	Bonebrake Ctr Sewer Line Realignment-200000						\$ -	
WWater	Vehicle Replacement		\$ 35,000.00				\$ 35,000.00	
WasteWater Reserve Fund Total		\$ 78,855.05	\$ 196,494.95	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 635,350.00	\$ 635,350.00

**City of Salem, Missouri**  
**Fiscal Year 2024 Capital Improvement Plan Details**

		FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL	Impact on Operations
<b>560- Airport Fund</b>								
Airport	T-Hangar Construction	\$ 50,167.00	\$ -	\$ -	\$ -	\$ -	\$ 50,167.00	
<b>Airport Subtotal</b>		<b>\$ 50,167.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,167.00</b>	
<b>Grants &amp; Bond Issue</b>								
Construction	Downtown Tap Grant-MoDOT funding	\$ 155,760.85					\$ 155,760.85	
Electric	Downtown Tap Grant-MoDOT funding	\$ 158,652.81					\$ 158,652.81	
Police	911 Enhancement-	\$ 237,500.00	\$ -	\$ -	\$ -	\$ -	\$ 237,500.00	
Water	New Well & Tower-DNR funding	\$ 628,000.00	\$ 517,000.00	\$ 1,938,750.00	\$ 646,250.00		\$ 3,730,000.00	
Water	Lead Line Service Mapping-DNR funding	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 150,000.00	
WWater	WW Plant Upgrades - ARPA Grant through DNR	\$ 842,000.00	\$ 1,039,500.00	\$ 2,079,000.00	\$ 1,039,500.00	\$ -	\$ 5,000,000.00	
WWater	I&I Mapping - DNR funding	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00	
<b>560</b>	Airport Airport T Hangars-FAA & BIL funding through MoDOT	\$ 784,832.00	\$ -	\$ -	\$ -	\$ -	\$ 784,832.00	
<b>703</b>	Econ Dev Welcome Home Housing Rehab - FHLB DM	\$ 300,000.00	\$ 325,000.00	\$ -	\$ -	\$ -	\$ 625,000.00	
<b>Grants &amp; Bond Issue Total</b>		<b>\$ 3,306,745.66</b>	<b>\$ 1,881,500.00</b>	<b>\$ 4,017,750.00</b>	<b>\$ 1,685,750.00</b>	<b>\$ -</b>	<b>\$ 10,891,745.66</b>	\$ 10,891,745.66
<b>ALL FUNDS TOTAL PROJECTS</b>		<b>\$ 4,574,385.12</b>	<b>\$ 3,311,074.93</b>	<b>\$ 5,418,563.82</b>	<b>\$ 2,801,085.35</b>	<b>\$ 1,466,492.53</b>	<b>\$ 17,571,601.76</b>	\$ 17,571,601.76
								\$ -

<b>Project:</b>	<b>Debts &amp; Leases</b>	<b>Fund:</b>	<b>Special Street - 201</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	

Project or Item Description:	Description continued:
<p>The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Capital Improvement Revenues. Loader lease ends FY 24 (will still need a loader - expected that a renewed/new lease will be necessary as there will not be enough time to build reserves for a purchase). Backhoe lease ends FY 24 (will still need a backhoe, but possibility of buying out this lease and moving this equipment to Construction and aqiring a new lease for this piece of equipment). Skid Steer (1/2 lease split with Cap Improvement Fund 301) Lease ends FY 27, will need to make determination of purchase or renewed lease at end of term.</p> <p>Each of the leased pieces of equipment are critical for the successful execution of our jobs and for the jobs of other city departments. We use them for all of the duties mentioned above and to assist other city departments as needed, as well as for storm/damage clean-up and repair to re-open city streets.</p>	<ul style="list-style-type: none"> <li>•<b>Backhoe.</b> The backhoe is one of our most heavily used pieces of equipment. We use it to repair/replace culvert pipes, remove yard waste, assist with asphalt work, load materials, etc. Its uses are basically endless.</li> <li>•<b>Loader.</b> The loader is used to pick up yard waste, load/unload transformers and other equipment and materials, mix and load salt and gravel for ice/snow removal, push snow/ice from cul-de-sacs and city parking lots, load gravel on dump trucks, etc.</li> <li>•<b>Skid Steer.</b> The skid steer is used continuously, and weekly at the yard waste site. It has tracks instead of rubber tires, so there is no need to worry about flat tires. We also use it to level asphalt for asphalt patches, spread topsoil, and for many other things city-wide on a routine basis.</li> </ul> <p>The Street Department could not function without these 3 pieces of equipment.</p>

Justification:	Image:
Pre-existing Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
201-501-70840 - Loader Lease	\$ 17,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 97,000.00
201-501-70870- Backhoe Lease	\$ 12,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 72,000.00
201-501-70890- Skid Steer Lease	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 42,600.00
<b>Total</b>	<b>\$ 37,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 211,600.00</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)



<b>Project:</b>	<b>Street Repaving</b>	<b>Fund:</b>	<b>Special Streets - 201</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Annual Street Repaving</b>

Project or Item Description:	Image:
<p>Street repaving is when new asphalt is used to resurface streets that are in severe disrepair due to crumbling and/or deteriorating asphalt from weather, use, time, and age. The new asphalt levels and smooths uneven surfaces and helps to seal cracks to prevent moisture from seeping into the subsurface, which would cause further (costlier) damage.</p> <p>Priority Streets: YEAR-1: Hickory St (Roosevelt to 32 Hwy); Coffman St (Hickory to Pershing); Oak St (Dent to Center); 1st St (19 to MacArthur); Jackson St and Bergman Street Loop. YEAR-2: Pershing St (32 Hwy to 10th Street); E. Hawkins St (Warfel to Holman); Holman St (Hawkins to Center); Hobson St (Louise to dead end); Dent St (MacArthur to Washington); Henderson St (Dent to Franklin); Parkview; Rolla Rd (J Hwy to 19 Hwy); 9th St(Henderson to Jackson); 4th St/Orchard St Loop (MacArthur to 3rd); 11th St and Hickory St Loop; Iron Mountain Rd (3rd St to City Limit). YEAR 3: 9th St (Pershing to dead end); Westwood Dr; Orchard St (32 Hwy to International); Butler St (MacArthur to Grand); Acuff St (MacArthur to Grand); Orchard St (Butler to 1st); 1st St (MacArthur to Grand); 1st St (Walker to Park); Grand St (3rd to Rolla Rd)</p>	

Justification:	Image:
<p>The streets listed above have worse (larger and deeper) cracks, more deterioration (crumbling asphalt/pot holes), and more uneven surfaces. They are in dire need of repair.</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$120,000.00	\$120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 600,000.00
						\$ -
<b>Total</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 600,000.00</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Pre-existing debt for the COP which financed the pool upgrades.	

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00
						\$ -
Total	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Vehicle Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Purchasing a new or used 4 wheel drive 3/4 ton truck with a long bed for Parks and Recreation daily use for park maintenance, trash collection, and watering.	

<b>Justification:</b>	<b>Image:</b>
The 2002 Dodge we were driving for Parks and Recreation the rear end went out and it has one cylinder that is not firing, a costly repair. The Dodge 2002 was a hand me down from another department. It's now sitting on lot for Purplewave. Lonnie and Ethan are currently driving the truck we use for watering, 1/2 ton Chevy 2 wheel drive, for everyday tasks and watering. The water tank is too heavy for truck which causes more trips to fill tank and not filling to capacity. Not having 4-wheel drive also adds challenges to everyday tasks.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 35,000.00					\$ 35,000.00
						\$ -
<b>Total</b>	<b>\$ 35,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
Regular scheduled maintenance (oil changes) and tires.

<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	<b>Cap Improvements 301</b>
<b>Department:</b>	<b>Multiple Departments</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
ESP Financing Ends in 2036 - This is financing for Energy Efficiency Upgrades at the Admin Building, Old City Hall, Police Department, Parks Shop and Salem Community Ctr. Skid Steer Lease Ends FY27 (Split with Special Streets Fund 201), City Hall & Admin Bldg Lighting Proj ends 2031 - Includes Admin Bldg, Old City Hall, Police Dept and Salem Community Center	

<b>Justification:</b>	<b>Image:</b>
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
301-506-70685 ESP Al Brown Lighting	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 210,145.00
301-508-70890- Skid Steer Lease 1/2	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00		\$ 34,000.00
301-510-70695-ESP HVAC Admin & City Hall	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 234,620.00
301-510-71052-City Hall Lighting Project	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 13,370.00
301-510-71062-Admin Bldg Lighting Project	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 6,685.00
301-511-71122-Police Dept Lighting Proj	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 13,370.00
301-511-71160-ESP Police Dept	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 31,640.00
301-517-71720-Comm Ctr Lighitng Project	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 33,425.00
301-517-71730-ESP Comm Ctr	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 120,595.00
<b>Total</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 132,770.00</b>	<b>\$ 697,850.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Housing Demolition</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Building Inspection</b>	<b>Program:</b>	<b>Dangerous Structure Remediation</b>

<b>Project or Item Description:</b>	<b>Image:</b>
This is a new funding request. In instances where the City Staff, working with property owners are not able to come to a resolution of public safety issues concerning dangerous structures. Staff may move forward with legal efforts to condemn a structure and have it demolished for the public good of the community. This effort will only be pursued after first attempting a resolution of the issues through other means which may include making the owner aware of the options available through the Voluntary Residential Demolition Program.	

<b>Justification:</b>	<b>Image:</b>
Derelict properties often pose a public safety concern for the community. The proposed budgeted amount is based upon costs incurred to demolish 8 houses over the past two years through the Voluntary Residential Demolition Program with added inflation factors and allowing for the loss of efficiency for doing multiple demolitions at once.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301 - Cap Improvements	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 75,000.00
						\$ -
<b>Total</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 75,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
It is anticipated this expense will be necessary for the foreseeable future.

<b>Project:</b>	<b>Personnel</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk Construction</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Wages for City's Construction Crew. Projections reflect a 3% COLA beginning in FY25.	

<b>Justification:</b>	<b>Image:</b>
This crew performs all sidewalk replacement, and smaller construction jobs for the City.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-501-11003 Sidewalk Construction	\$ 130,000.00	\$ 133,900.00	\$ 137,917.00	\$ 142,054.51	\$ 146,316.15	\$ 690,187.66
301-501-11100 Overtime Sidewalk Const	\$ 1,766.00	\$ 1,818.98	\$ 1,873.55	\$ 1,929.76	\$ 1,987.65	\$ 9,375.93
301-501-15000 FICA	\$ 10,300.00	\$ 10,609.00	\$ 10,927.27	\$ 11,255.09	\$ 11,592.74	\$ 54,684.10
Total	\$ 142,066.00	\$ 146,327.98	\$ 150,717.82	\$ 155,239.35	\$ 159,896.53	\$ 754,247.69

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

Project:	Sidewalks	Fund:	Cap Improvements - 301
Department:	Construction	Program:	Ongoing Sidewalk Repair & Replacement

Project or Item Description:	Image:
sidewalk and curb construction	

Justification:	Image:
To continue to construct new and replace old sidewalks and curbing that are in need of repair	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-505-70510 Sidewalk Construction	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00
						\$ -
Total	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Downtown Upgrades</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk R&amp;R</b>

Project or Item Description:	Image:
<p>The City of Salem is working with downtown property owners to enhance and beautify our city core. The Downtown Project is funded mainly through grant funding which includes a Transportation Alternatives Program (TAP) grant through the Missouri Department of Transportation (MoDOT).</p> <p>The main focus of this project is to upgrade our sidewalks to meet Americans with Disabilities Act (ADA) standards and upgrade the lighting with historically reminiscent street lighting fixtures and underground wiring to enhance the aesthetics of our historic business corridor. The Downtown Project replaces sidewalks with ADA compliant ramps and accesses and undergrounds the electric infrastructure under a brick paver border for ease of access for repair work. Light Poles and fixtures will also be replaced with replicas matching what was historically downtown.</p>	<p>Technical drawing of a Stresscrete Pole Structure Type "KCH20". The drawing includes side and front views with various dimensions and component labels. Key dimensions include a total height of 20' 0", a pole diameter of 12", and a base width of 2'-0". Labels include: (A) 15A/120V SIMPLEX RECEPTACLE, (B) 2 - 1" NPT PLUMBING COUPLERS, (C) 2 - 1" NPT PLUMBING COUPLERS, (D) 2 - 1" NPT PLUMBING COUPLERS, (E) 2 - 1" NPT PLUMBING COUPLERS, (F) 2 - 1" NPT PLUMBING COUPLERS, (G) 2 - 1" NPT PLUMBING COUPLERS, (H) 2 - 1" NPT PLUMBING COUPLERS, (I) 2 - 1" NPT PLUMBING COUPLERS, (J) 2 - 1" NPT PLUMBING COUPLERS, (K) 2 - 1" NPT PLUMBING COUPLERS, (L) 2 - 1" NPT PLUMBING COUPLERS, (M) 2 - 1" NPT PLUMBING COUPLERS, (N) 2 - 1" NPT PLUMBING COUPLERS, (O) 2 - 1" NPT PLUMBING COUPLERS, (P) 2 - 1" NPT PLUMBING COUPLERS, (Q) 2 - 1" NPT PLUMBING COUPLERS, (R) 2 - 1" NPT PLUMBING COUPLERS, (S) 2 - 1" NPT PLUMBING COUPLERS, (T) 2 - 1" NPT PLUMBING COUPLERS, (U) 2 - 1" NPT PLUMBING COUPLERS, (V) 2 - 1" NPT PLUMBING COUPLERS, (W) 2 - 1" NPT PLUMBING COUPLERS, (X) 2 - 1" NPT PLUMBING COUPLERS, (Y) 2 - 1" NPT PLUMBING COUPLERS, (Z) 2 - 1" NPT PLUMBING COUPLERS.</p>

Justification:	Image:
<p>Bring sidewalks up to ADA requirements. Renew and Refresh Salem's Downtown and make it safer for pedestrians.</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-??? Sidewalks & Pavers	\$ 70,521.96					\$ 70,521.96
301 - Ele Light poles &	\$ 70,006.45					\$ 70,006.45
Grants & Bond Issue - Sidewalks & Pavers	\$ 155,760.85					\$ 155,760.85
Grants & Bond Issue - Electric light poles & underground	\$ 158,652.81					\$ 158,652.81
<b>Total</b>	<b>\$ 454,942.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 454,942.07</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)



<b>Project:</b>	<b>Sidewalk R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Concrete Forms	

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-505-70540 Concrete Forms	\$ 5,000.00					\$ 5,000.00
						\$ -
<b>Total</b>	<b>\$ 5,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

Project:	Culvert R&R	Fund:	Cap Improvements - 301
Department:	Streets	Program:	Facility R&R

Project or Item Description:	Image:
A culvert is a structure that channels water past an obstacle or to another waterway. Over time, these culverts can rust and deteriorate. If not replaced, there is an increased danger of road collapse and flooding. Priority culverts: North Park Street; Doss Road, south of the bridge; and 4th and MacArthur.	



Justification:	Image:
North Park Streets: Holes are appearing in the yards of home owners because the bottoms of the culvert pipes are rusted out and gone, and water is eroding the dirt around the culverts, causing the soil to further erode and collapse. Doss Road and 4th and MacArthur: These culverts actually go under the city streets. The bottoms of these culvert pipes are also rusted out and gone. Their collapse could cause the shutdown of two major city streets.	


Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 30,000.00
						\$ -
Total	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 30,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	Hydrovac Truck Purchase	Fund:	Cap Improvements - 301, Ele Rsv - ???, Water Rsv - ???, WWtr Rsv - ???
Department:	Streets, Water, Wwater, Electric	Program:	

Project or Item Description:	Image:
<p>2013 vac truck with hydro-excavation package. This VAC TRUCK has three functions. It can rod sewer mains and services a newer and more reliable way to do this would give the city a tool to cut out costly call outs if they had a piece of equipment that could operate daily to prevent this. This machine also is a pump truck currently the city has no way to pump out lift stations in an emergency situation. We currently have to wait on a vac truck while the sewers is backing up in the customers house. That charge is \$500.00 trip. The last function of this machine is it will hydro-excavate. This ensures the safety of personnel excavating around gas lines and other utilities. This machine can be used by electric, water, sewer and the street department.</p>	 

Justification:	Image:
<p>with the amount of underground utilities that we have we need to be able to expose those utilities before we start excavation. The city has culverts that need replaced that are under streets. Currently the City of Salem has a 27 year old sewer machine. This machine has only one function and is worn out. In 2022 the machine failed us. The city had to rent another machine for four days. The cost of rental per day was \$450.00 per day not to mention two days pay for an employee to get the machine and deliver it back. The city also had a several thousand- dollar bill for parts for the city mechanic to repair the machine on the weekend to put it back in service.</p> <p>This machine is no longer able to operate to do the sewer maintenance required by the E.P.A. or D.N.R. it is used for when a problem occurs not to prevent problems. It only has one function and that is to rod sewers and sewer services. This 2013 model would be a nice piece of equipment to have to ensure the safety of employees and would produce less injuries in hand digging. It also will leave less mess in customers yard and allow a more suitable yard appearance when yard work is done.</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- ST - Hydrovac Truck Purchase	\$47,500.00					\$ 47,500.00
Ele - Hydrovac Truck Purchase	\$47,500.00					\$ 47,500.00
Water - Hydrovack Truck Purchase	\$47,500.00					\$ 47,500.00
Wwater - Hydrovac Truck Purchase	\$ 47,500.00					\$ 47,500.00
Total	\$ 190,000.00	\$ -	\$ -	\$ -	\$ -	\$ 190,000.00

Project:	Equipment Purchase	Fund:	Cap Improvements - 301
Department:	Streets	Program:	

Project or Item Description:	Image:
2022 batwing bush hog - The requested brush hog is a 15-foot batwing piece of equipment that is pulled behind a large tractor and is used to cut grass and brush to maintain the city airport, the city landfill (required by DNR to be cut twice a year), the industrial park (including the 30 acres m/1 recently cleared), and other city property as needed.	

Justification:	Image:
We currently only have a 5-foot brush hog that simply cannot meet the maintenance demands of the city. For example, currently it takes at least 3 weeks to brush hog just the airport. With the new 15-foot batwing brush hog, the estimated time for completion at the airport would be reduced to 1 week or less. The savings (fuel, man hours) for that task alone would be substantial.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$20,250.00					\$ 20,250.00
						\$ -
Total	\$ 20,250.00	\$ -	\$ -	\$ -	\$ -	\$ 20,250.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Salt Bin Repair</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Bldg &amp; Facility Maintenance</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Salt bins are sheds that are used to store rock salt and pea gravel/grit used for snow and ice removal. We have two buildings; each building has two bins (a total of 4 bins). One of the sheds needs a new metal roof and back wall replaced.	

<b>Justification:</b>	<b>Image:</b>
The current old shingle roof leaks, which allows rain and moisture to melt the stored salt. The back wall is constructed of wood and a large metal I-beam for structural support. Over the years, the salt has nearly completely eroded the I-beam, and the entire back wall is bulged out and about to collapse. According to the City construction crew, they can fix the back wall by tearing out the old wall and then pouring concrete footings and a new concrete wall, including new concrete structural supports. Last year, we replaced the old leaking roof on the other shed. That shed has concrete walls that are structurally sound, so no other improvements were needed. In addition to the probable collapse of the entire building, the leaking roof will cause the loss of any stored salt.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Salt Bin Repair	\$ 15,500.00					\$ 15,500.00
						\$ -
Total	\$ 15,500.00	\$ -	\$ -	\$ -	\$ -	\$ 15,500.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>		<b>Fund:</b>	
<b>Department:</b>		<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-511-71110- Vehicle Replacement	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00		\$ 450,000.00
						\$ -
Total	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ -	\$ 450,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>911 Enhancement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Police</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>

<b>Justification:</b>	<b>Image:</b>


Project Costs and Funding Source


Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301 - 911 Enhancement Local Match 5%	\$ 12,500.00					\$ 12,500.00
Grants & Bonds	\$ 237,500.00					\$ 237,500.00
Total	\$ 250,000.00	\$ -	\$ -	\$ -	\$ -	\$ 250,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>Industrial Park Signage</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>Planned signage set for the Industrial Park. Includes design and construction/instalation for main sign and a directional sign at the intersection of Mulnack, Pines and Carnett Dr. To also include design work only, as part of the complete project, for matching individual signage for each business to have built and installed at their expense.</p> <p>Preparation for this project completed to date: Concept design as seen in the pictures included, MoDOT ROW has been identified to determine location of main sign.</p>	<p><b>Main Sign at Industrial Park Entrance</b></p> 

<b>Justification:</b>	<b>Image:</b>
<p>The main sign for Masters Industrial Park fell down several years ago and needs to be replaced. There is an unspoken obligation on the City's part to provided signage for those businesses located in the City's Industrial Park. This project is a roll-over from last budget year. Due to change in positions and responsibilities, this project was not able to be completed.</p>	<p><b>Directional Sign and Individual Business Signs</b></p> 

### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CI Sales Tax	\$ 50,000.00					\$ 50,000.00
						\$ -
<b>Total</b>	<b>\$ 50,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>Housing Demolition</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	<b>Voluntary Residential Demolition</b>

<b>Project or Item Description:</b>	<b>Image:</b>
The City offers residents an incentive to beautify the community through a sponsored residential demolition program. The program assists with efforts to beautify the community and promotes a sense of pride for residents, and makes the community safer and more appealing.	

<b>Justification:</b>	<b>Image:</b>
This program was developed to assist property owners inside the City with property cleanup in an effort to improve pubic safety, appearance and community pride. To date 8 structures have been cleanup in partnership with private property owners and 1 property has been donated to the City.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 100,000.00
						\$ -
<b>Total</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 100,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

Project:	Leases & Debt	Fund:	Electric 501
Department:	Multiple Departments	Program:	

Project or Item Description:	Image:
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Electric Fund revenues. TL48 Digger Truck lease began in 2023 and goes through 2028. The C5048 Bucket Truck lease began in 2023 and goes through 2028. The COP payment is for installation of automatic meter reading infrastructure and goes through 2038. The MMMPEP is for the Feb 2021, severe weather event, this debt payment goes through 2026.	

Justification:	Image:
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
501-501-70182- Digger Truck	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 288,000.00
501-501-70184- Bucket Truck Lease	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 151,500.00
501-501-70199/70200- COP Payments	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 507,500.00
501-501-66010- MMMPEP weather relief	\$ 234,871.00	\$ 234,871.00	\$ 234,871.00	\$ 234,871.00	\$ 234,871.00	\$ 1,174,355.00
Total	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 2,121,355.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	transformers	Fund:	301-02
Department:	electric	Program:	

Project or Item Description:	Image:
transformers for upgrades and general maintenance	

Justification:	Image:
As services are being upgaded or loads change at a residence, old transformers which are unable to handle the load increases must be changed	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$ 150,000.00
						\$ -
Total	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 150,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	utility poles	Fund:	301-02
Department:	electric	Program:	

Project or Item Description:	Image:
utility poles	

Justification:	Image:
As new services are built or old poles need replaced due to age	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$ 125,000.00
						\$ -
Total	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	Leases & Debt	Fund:	Water 510
Department:	Multiple Departments	Program:	

Project or Item Description:	Image:
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Water Fund revenues. The COP payment is for installation of automatic meter reading infrastructure and goes through 2038. The lease for the backhoe goes through 2024.	

Justification:	Image:
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
510-501-70197/70199- COP	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 517,055.00
510-501-70391- Backhoe	\$ 12,000.00	\$ -	\$ -	\$ -	\$ -	\$ 12,000.00
						\$ -
						\$ -
						\$ -
Total	\$ 115,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 529,055.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	replacement of water lines	Fund:	301-03
Department:	water	Program:	

Project or Item Description:	Image:
replace old water lines	

Justification:	Image:
With the growing issues of water lines that need replaced the city needs a plan in place to start the process of replacing water lines.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00
						\$ -
Total	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)



<b>Project:</b>	<b>New well</b>	<b>Fund:</b>	<b>301-03</b>
<b>Department:</b>	<b>water</b>	<b>Program:</b>	

Project or Item Description:	Image:
<p>New well and storage tower on hwy 72 across from Salem Memorial Hospital. The City of Salem's operable water wells do not have adequate production to meet the current maximum daily water demand of the system, should the largest well be out of service. Furthermore, the City's elevated storage facilities do not have adequate volume to meet the average day demand, not including any fire fighting reserve. The project includes construction of a estimated 450 gpm new drinking water well, well house, a 400,000 gallon welded steel elevated storage tank and approximately 1,500 lineal feet of water main with MoDOT Highway bore to connect to existing distribution system. Several locations were considered for the new facilities. The chosen location will located in the northwest portion of the system and provide redundant service to the Salem Memorial Hospital that is currently served by an approximately 8,000 lineal foot dead end main.</p>	

Justification:	Image:
<p>The City of Salem's Well No. 5 has been removed from production due to ongoing turbidity issues that were not able to be resolved. The new well and well house will essentially replace Well No. 8 production in the system. The new 400,000 gallon elevated storage tank will likely replace the 70+ year old 75,000 gallon "witch's hat" tower. The additional capacity will also allow maintenance on the tower in the industrial park.</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Water	\$ 6,344.00	\$ 31,656.00				\$ 38,000.00
DNR Grant Funding	\$ 628,000.00	\$ 517,000.00	\$ 1,938,750.00	\$ 646,250.00		\$ 3,730,000.00
<b>Total</b>	<b>\$ 634,344.00</b>	<b>\$ 548,656.00</b>	<b>\$ 1,938,750.00</b>	<b>\$ 646,250.00</b>	<b>\$ -</b>	<b>\$ 3,768,000.00</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Lead Svs Line Study/Mapping</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Water</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>The project consists of accurately locating/surveying all public and private water service features and developing a GIS map of the water system. Survey grade instruments will be used to locate water infrastructure including meters and identifiable service line routings. Interviews will be conducted with the utility personnel to determine the information they have on all service laterals. Historic information will be reviewed, such as Building Permits, Infrastructure Construction Documents, historic aerial/satellite images, etc. Once all the information is disseminated that can be obtained and the unknown service lateral pipe locations and materials are short listed, field inspections will be conducted of the meter pits and of crawl spaces and basements where possible. Some excavation may be used if deemed appropriate. Each service line will be categorized as Lead, Galvanized Requiring Replacement, Non-Lead or Lead Status Unknown.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>Once an accurate GIS map is completed as much as is feasible a replacement plan can be developed.</p>	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$ 30,000.00					\$ 30,000.00
<b>DNR Grant Funding</b>	\$ 150,000.00					\$ 150,000.00
<b>Total</b>	\$ 180,000.00	\$ -	\$ -	\$ -	\$ -	\$ 180,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

Project:	Leases & Debt	Fund:	Sewer 520
Department:	Multiple Departments	Program:	

Project or Item Description:	Image:
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Sewer Fund revenues. The COP payment is for sewer system extensions and upgrades to the wastewater treatment facility and goes through 2038.	

Justification:	Image:
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
520-501-701970/70191- COP	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 1,528,950.00
		\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -
						\$ -
						\$ -
Total	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 1,528,950.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Inflow &amp; Infiltration Study</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Wastewater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Facility Plan to evaluate I&I issues throughout the City. This will include 4 months of flow monitoring in strategic locations throughout the collection system. In addition, it will include smoke testing in the collection system based upon priority areas identified during flow monitoring analysis.	

<b>Justification:</b>	<b>Image:</b>
This Facility Plan will help the City to develop a multi-year capital improvement plan for the collection system.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 22,850.00					\$ 22,850.00
DNR Grant	\$ 50,000.00					\$ 50,000.00
Total	\$ 72,850.00	\$ -	\$ -	\$ -	\$ -	\$ 72,850.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>WWTF Upgrades</b>	<b>Fund:</b>	<b>Wasetwater Reserves</b>
<b>Department:</b>	<b>WasteWater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Project represents Phase 2a of the City's WWTF Master Plan. Improvements include: Wet Weather Treatment including Disinfection to meet the requirements of the AOC for Outfall #002, new sludge drying bed, improvements to the Influent Pump Station, Chemical Phosphorus facilities and Oxidation Aeration Equipment. Per discussions with MDNR, this project does not require Antidegradation Review	

<b>Justification:</b>	<b>Image:</b>
Wet Weather treatment improvements will allow the City to fully meet their existing disinfection limit and afford elimination of the existing Outfall #002. Oxidation Ditch Aeration Equipment improvements and Chemical Phosphorus facilities will aid in meeting upcoming Total Nitrogen and Total Phosphorus limits. Additional facility rehabilitation will aid their ability to meet all discharge limits.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 8,505.05	\$ 41,494.95				\$ 50,000.00
ARPA Grant - DNR	\$ 842,000.00	\$ 1,039,500.00	\$ 2,079,000.00	\$ 1,039,500.00		\$ 5,000,000.00
Total	\$ 850,505.05	\$ 1,080,994.95	\$ 2,079,000.00	\$ 1,039,500.00	\$ -	\$ 5,050,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Bonebrake Realignment</b>	<b>Fund:</b>	<b>301-04</b>
<b>Department:</b>	<b>WasteWater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>Bonebrake Sewer Main Realignment is a project to move an old clay sewer main and replace it the line is in terrible shape and full of tree roots. The line goes under water in a storm event and in return most of that water goes to our wastewater treatment plant and we have to treat the storm water. The line has been consistently failing for the last fifteen years and the City has little to no access to do maintenance to cut tree roots out of the sewer main. Replacing and moving this line allows for better access and will locate it in a place easier to get equipment to it also will get it away from the creek and out of a swamp to prevent future storm water from going to the plant. The line has trouble draining in a storm event and has been known to back the main line up. This project includes installing four new manholes and replacing nine hundred fifty one feet of sewer main. It also includes the demolition of the existing sewer and dirt work and clean up for the project.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>to replace the main that has major issues: breaking apart, has roots that are causing the system to back up, and has inflow and infiltration issues that effect the WWTF</p>	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$200,000.00					\$ 200,000.00
						\$ -
<b>Total</b>	<b>\$ 200,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



Project:	I and I issues	Fund:	301-03
Department:	water	Program:	

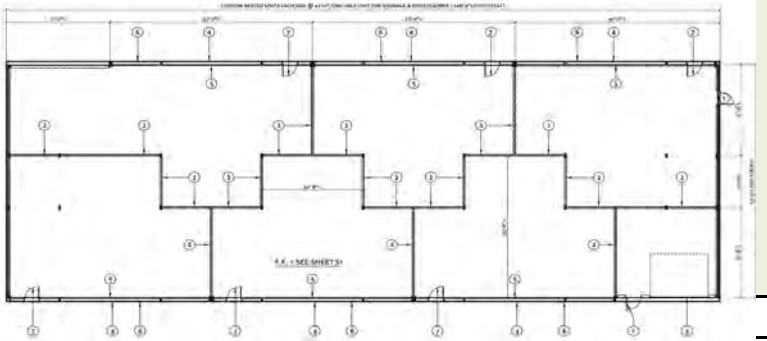
Project or Item Description:	Image:
<p>I&amp;I Rehabilitation of manholes project. I&amp;I stands for inflow and infiltration of storm water. This is water leaking or flowing into a sealed system due to deterioration or root damage. Manhole lining is a effective solution to fixing these problems and cheaper than replacement. Missouri Department of Natural Resources requires owners of system to maintain and do maintenance to collection systems yearly and report what they are doing to maintain there system. This also keeps lines from backing up and causing damage to a customers property or a sewer overflow on the ground or into a possible stream. I&amp;I Rehabilitation can also be done on sewer main lines. When we talk about rehabilitation or lining we are talking about a strong durable poly spray that will not let water in or out and will last more than fifty years. This is a proven product used by many cities and in many applications. The city of Salem has done this in the past with good results. This work allows for the wastewater treatment plant to not treat unwanted storm water in rain events .</p>	
Justification:	
<p>I and I or (inflow) and (infiltration) are what happens when stormwater and groundwater enter a waste water system which can cause issues: to much flow into WWTF or man holes to over flow</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$80,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 560,000.00
						\$ -
Total	\$ 80,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 560,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>T-Hangar Construction</b>	<b>Fund:</b>	<b>301</b>
<b>Department:</b>	<b>Streets - Airport</b>	<b>Program:</b>	<b>Airport Facility Improvements</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Construction of a 6 unit T-Hangar facility at the Salem Memorial Airport. Of the 6 spaces, one would be large enough to potentially house an aviation mechanic. There is also included a storage/maintenance space in addition to the 6 hangars.	

<b>Justification:</b>	<b>Image:</b>
The City of Salem has a waiting list of pilots who would like to house lease hangar space at the Salem Memorial Airport. The funding for design and construction is 90% from NPE funds and the Bipartisan Infrastructure Legislation (BIL) funding both through MoDOT. This project has been accruing NPE grant funds for 5 years to have enough to design and build this project.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27		Total
301-512-71270- T-Hangar	\$ 50,167.00					\$ 50,167.00
Grants & Bonds	\$ 784,832.00					\$ 784,832.00
Total	\$ 834,999.00	\$ -	\$ -	\$ -	\$ -	\$ 834,999.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Housing Improvements</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	<b>Welcome Home</b>

Project or Item Description:	Image:
<p>Welcome Home - Affordable Housing Rehabilitation Program</p> <p>The City of Salem with support from Riverways FCU received funding through the Federal Home Loan Bank (FHLB) of Des Moines' Affordable Housing Program to rehabilitate 25 owner-occupied homes in Salem, MO. This is a pass-through grant that combined with the owner contribution, covers 100% of the cost of the program. The City is the Sponsor who administers the program and Riverways FCU is the Participating Member of FHLB in support of the program. As with most grant programs, the City incurrs the upfront expense and then applies for reimbursement.</p>	

Justification:	Image:

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
FHLB Grant	\$ 300,000.00	\$ 325,000.00				\$ 625,000.00
Total	\$ 300,000.00	\$ 325,000.00	\$ -	\$ -	\$ -	\$ 625,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Pool Media Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Replace pool media (pool filter sand) with glass media to filter pool water.	

<b>Justification:</b>	<b>Image:</b>
Pool filter media is to be changed every 8-10 years. No records of our media every being replaced. The media filters pool water and helps reduce the amount of water and chemicals we use to maintain the pool. They have a new product that has a 20+ year life that I recommend we go with. Due to the location of our filters there will have to be a access point cut into the pool deck to be able to remove and replace current media. Glass media is not subject to biodynamic instability and will not allow untreated water to pass the filter. It also substantially lowers chlorine oxidation demand by up to 50%, lowers backwash water demand by an average of 50%, and is expected to last for the life of the filtration system.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$ 25,000.00				\$ 25,000.00
						\$ -
<b>Total</b>	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
No annual operating cost. Projected life of glass media is 20+ years. It's replaces the use of sand that only last 8-10 years. Reducing the amount of water and chemicals we waste to clean water when we backwash the pool.

<b>Project:</b>	<b>Backhoe Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	

Project or Item Description:	Image:
X -	

Justification:	Image:
X- how old is the current backhoe, downtime for breakdowns, etc	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$ 100,000.00				\$ 100,000.00
						\$ -
Total	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 100,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)
X

<b>Project:</b>	<b>Utility Bed Replacement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	

Project or Item Description:	Image:
X	

Justification:	Image:
X	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
			\$ 20,000.00			\$ 20,000.00
						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000.00</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)
X



Project:	Storm Drain R&R	Fund:	Cap Improvements - 301
Department:	Streets	Program:	Facility R&R

Project or Item Description:	Image:
A culvert is a structure that channels water past an obstacle or to another waterway. Over time, these culverts can rust and deteriorate. If not replaced, there is an increased danger of road collapse and flooding. ROW acquisition for FY24 with actual construction work in FY 25	

Justification:	Image:
South Henderson: Holes are appearing in the yards of home owners because the bottoms of the culvert pipes are rusted out and gone, and water is eroding the dirt around the culverts, causing the soil to further erode and collapse.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Storm Drain R&R		\$ 45,000.00				\$ 45,000.00
						\$ -
Total	\$ -	\$ 45,000.00	\$ -	\$ -	\$ -	\$ 45,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Vehicle R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets - Cemetary</b>	<b>Program:</b>	<b>Vehicle R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Pickup Replacement	

<b>Justification:</b>	<b>Image:</b>
The current cemetery pickup is over twenty years old. The cab/mechanical components are worn out.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-Cemetary Vehicle		\$ 50,000.00				\$ 50,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Equipment Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Rotary Cutter for Skid Steer	

<b>Justification:</b>	<b>Image:</b>
There are areas that are so steep that you can’t safely use a tractor and brush hog to maintain the terrain. These areas are at numerous places, including the city airport, city landfill, and the industrial park.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Rotary Cutter for Skid			\$ 15,000.00			\$ 15,000.00
						\$ -
Total	\$ -	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>K9 Replacement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Police</b>	<b>Program:</b>	<b>Drug Enforcement</b>

<b>Project or Item Description:</b>	<b>Image:</b>

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
301-K9 Replacement		\$ 15,000.00				\$ 15,000.00
						\$ -
Total	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

Project:	Equipment R&R	Fund:	Cap Improvements - 301
Department:	Streets	Program:	R&R

Project or Item Description:	Image:
2002 Dump Truck Replacement	

Justification:	Image:
The hour meter has not worked for some time. This truck is used year round for hauling, spreading salt and snow removal. The worn-out mechanical and cab components are no longer sufficient to keep employees warm and/or safe while working in extreme hazardous conditions. Approximately 5-6 years ago, we replaced the dump bed on it, so we have been able to limp it along to this point. However, it is now well past the point of needing to be replaced.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Dump Truck Purchase				\$195,000.00		\$ 195,000.00
						\$ -
Total	\$ -	\$ -	\$ -	\$ 195,000.00	\$ -	\$ 195,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	Equipment R&R	Fund:	Cap Improvements - 301
Department:	Streets	Program:	R&R

Project or Item Description:	Image:
2000 kabota tractor	

Justification:	Image:
This tractor is used for bushing in areas where it is rough to use a mower. It is also used to mow along shoulders of the streets and roads. We use a tractor to pull the 5-foot brush hog to mow, cut, and maintain along city streets/right-of-ways. Our current tractor is old and has a tremendous amount of wear and tear on it.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00				\$50,000.00
						\$ -
Total	\$0.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$ 50,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)



Project:	bucket truck	Fund:	301-02
Department:	electric	Program:	

Project or Item Description:	Image:
70 ft. bucket truck	

Justification:	Image:
This truck is used for tree trimming and work that has to be done on the city's taller poles. The truck and unit is accumulating quite a few hours and despite keeping up with the maintenance the truck is getting quite a bit of normal wear which is going to be expensive to replace different parts that wear out.if worn parts are not replaced it will be red-tagged and not be used	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00	\$50,000.00	\$50,000.00	\$ 50,000.00	\$ 200,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 200,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

Project:	electric feeder	Fund:	301-02
Department:	electric	Program:	

Project or Item Description:	Image:
electric feeder to bring into east side of town	



Justification:	Image:
The entire city is served by one substation. The industrial park is at the end of one of the city's feeders. As the load increases in the industrial park the city is not going to have the capacity to serve all of its citizens. A new feeder would elevate those issues and allow the city to possibly gain new industries	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$ 200,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 200,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Pool Lights R&amp;R</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Upgrading the lights and fixtures at the Alice Lou Craig Municipal Swimming Pool.	 
<b>Justification:</b>	
Several light fixtures are unrepairable and the pool is not well lite during evening hours of pool operation. It's becoming a safety concern. There are 11 lights out, out of 36, 2 complete poles not in working order. The current fixures are not a bright light it's always very dim on the pool deck at night.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
						\$ -
						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
If we upgrade to LED lights the maintenace would be minimal and lower cost of electric use.

<b>Project:</b>	<b>Pool-Parking Lot Resurfacing</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Resurfacing or fixing the pool parking lot. Either new asphalt or concrete. It was discussed at one point to do 1/3 of parking lot each year in concrete to resolve issues.	

<b>Justification:</b>	<b>Image:</b>
The pool parking lot has become a safety concern for citizen using the pool, pavilion, playground, tennis courts, and skate park. Especially the handicap parking next to the pool. The Street Department patched with gravel one year and then the next year had to come in and dig it out, fill and put an asphalt patch to help create a safer parking area for our handicap and elderly visitors. The asphalt from years past has become brittle and breaking all over the place creating large chunks to surface.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
						\$ -
						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



400 N. Iron Street, Salem, Missouri 65560  
(573) 729-4811 Fax (573) 729-5371  
www.salemmo.com

## CAPITAL IMPROVEMENT COMMITTEE

### MEETING MINUTES

June 5, 2023

Rotary Room, Salem Community Center @ the Armory, 1200 W. Rolla Road

**Members Present:** Chairman Shawn Bolerjack, Alderman Kyle Williams, Annie Deatherage, Bernie Sirois, Mayor Greg Parker (Ex Officio)

**City Staff Present:** City Administrator Sally Burbridge, City Clerk Tammy Koller, Finance Director Stacey Houston, Public Works Director Mark Nash, Police Chief Joe Chase, Street Superintendent Brent Young, Wastewater Treatment Plant Manager Josh Hunt, Chris McGuirt

**Media Present:** Stan Podorski (KSMO Media), Ben Johnson (The Salem News)

**Visitors Present:** Nathan Kinsey

- I. Call to Order: Meeting was called to order at 6:00 PM. Quorum was not established.
- II. Finalize FY 23-24 Capital Improvements: City Administrator Burbridge presented the changes to the five-year CIP to the committee since the last committee meeting on May 16, 2023. The changes include: Animal Control roof replacement (pg. 9), Old City Hall improvements on (pg. 10), copier replacement (pg. 11), T-Hangar construction with grant funding (pg. 39), pilots lounge updates (pg. 40), council chambers improvements (pg. 43), airport taxiway construction (pg. 53), additional six T-Hangar construction (pg. 54), and IT & cybersecurity improvements (pg. 58).

With the changes presented, the projected expenditures for capital improvement projects in the CIP for FY 23-24 is \$4,709,052.12 with projected revenue at \$5,224,677.18. The total projected capital improvement expenditures for the next five years is \$19,466,268.76 with total projected revenue at \$19,606,956.02. In the CIP, the reserve policy is observed with the goal of having 25% of the most recent completed fiscal year's fund expenditures in reserves and the minimum of 5% of the expenditures annually set aside for reserves.

Police Chief Chase shared the justification for the purchase of two new police vehicles and explained the replacement program the police department has adopted. The program has

**MAYOR**  
Greg Parker

**ALDERMEN**

East Ward  
Shawn Bolerjack  
Kala Sisco

West Ward  
Amanda Duncan  
Kyle Williams

**PARKS AND RECREATION:** Melissa DuBois  
**POLICE DEPARTMENT:** Joe Chase



**PUBLIC WORKS:** Mark Nash  
**UTILITIES:** Jennifer Cochran

**CITY ADMINISTRATOR**  
Sally Burbridge

**CITY CLERK**  
Tammy Koller

**CITY ATTORNEY**  
James Weber

**BUILDING INSPECTION:** Jarred Brown  
**FINANCE:** Stacey Houston

provided a 53% reduction of vehicle maintenance since 2014, since the newer vehicles are under warranty. The police department takes two police cars out of circulation for sale to help offset the cost of one new police car. A strict monthly inspection is done on the cars that include the condition of inside and outside of the car. The police cars are lasting longer, some lasting 5-7 years, with the fleet vehicle system the police department has. With the police department's car take home policy (within six miles of the city limits), the citizens feel safer when they see a police car parked in the neighborhood, provides quicker response time and it is an employee retention benefit. With savings on vehicle maintenance, the police department can buy higher quality internal components that is able to be rotated to the newer vehicles and be able to last about seven years. Chief Chase shared according to the Department of Justice, 90% of state government and law enforcement agencies use this vehicle replacement program.

With no quorum being established, no vote or formal recommendation can be made, and the proposed CIP will go to the Finance Committee for their review of the FY 23-24 budget before it goes to the Board of Aldermen for their approval.

III. Adjournment: Committee adjourned at 6:42 PM

MAYOR  
Greg Parker  
ALDERMEN  
East Ward      West Ward  
Shawn Bolerjack      Amanda Duncan  
Kala Sisco      Kyle Williams  
PARKS AND RECREATION: Melissa DuBois  
POLICE DEPARTMENT: Joe Chase



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CITY ADMINISTRATOR  
Sally Burbridge  
CITY CLERK  
Tammy Koller  
CITY ATTORNEY  
James Weber  
BUILDING INSPECTION: Jarred Brown  
FINANCE: Stacey Houston

## Capital Improvement Program Summary

	FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL
Special Streets Fund	\$ 157,520.00	\$ 163,520.00	\$ 163,520.00	\$ 163,520.00	\$ 163,520.00	\$ 811,600.00
Capital Improvement Sales Tax Fund	\$ 765,614.41	\$ 743,597.98	\$ 512,987.82	\$ 677,509.35	\$ 358,666.53	\$ 3,058,376.10
Park Improvement Fund	\$ 144,306.00	\$ 134,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 606,530.00
Electric Reserves Fund	\$ 102,500.00	\$ 55,000.00	\$ 155,000.00	\$ 105,000.00	\$ 655,000.00	\$ 1,072,500.00
Water Reserves Fund	\$ 143,844.00	\$ 266,656.00	\$ 460,000.00	\$ 60,000.00	\$ 60,000.00	\$ 990,500.00
Wastewater Reserves Fund	\$ 78,855.05	\$ 196,494.95	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 635,350.00
Airport Fund	\$ 73,117.00	\$ 62,500.00	\$ -	\$ -	\$ 76,500.00	\$ 212,117.00
Grant Funds & Bond Issue	\$ 3,243,295.66	\$ 2,444,000.00	\$ 4,017,750.00	\$ 1,685,750.00	\$ 688,500.00	\$ 12,079,295.66
<b>TOTAL</b>	<b>\$ 4,709,052.12</b>	<b>\$ 4,066,074.93</b>	<b>\$ 5,538,563.82</b>	<b>\$ 2,921,085.35</b>	<b>\$ 2,231,492.53</b>	<b>\$ 19,466,268.76</b>

## Capital Improvement Revenue

	FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL
Special Streets Fund	\$ 185,000.00	\$ 188,700.00	\$ 192,474.00	\$ 196,323.48	\$ 200,249.95	\$ 962,747.43
Capital Improvement Sales Tax Fund	\$ 767,832.00	\$ 783,188.64	\$ 798,852.41	\$ 814,829.46	\$ 831,126.05	\$ 3,995,828.56
Park & Recreation Fund	\$ 662,108.00	\$ -	\$ -	\$ -	\$ -	\$ 662,108.00
Electric Reserves Fund	\$ 264,925.52	\$ 270,224.03	\$ 275,628.51	\$ 281,141.08	\$ 286,763.90	\$ 1,378,683.02
Water Reserves Fund	\$ 41,155.00	\$ 41,978.10	\$ 42,817.66	\$ 43,674.02	\$ 44,547.50	\$ 214,172.27
Wastewater Reserves Fund	\$ 54,589.00	\$ 55,680.78	\$ 56,794.40	\$ 57,930.28	\$ 59,088.89	\$ 284,083.35
Airport Fund	\$ 5,772.00	\$ 5,887.44	\$ 6,005.19	\$ 6,125.29	\$ 6,247.80	\$ 30,037.72
Grant Funds & Bond Issue	\$ 3,243,295.66	\$ 2,444,000.00	\$ 4,017,750.00	\$ 1,685,750.00	\$ 688,500.00	\$ 12,079,295.66
<b>TOTAL</b>	<b>\$ 5,224,677.18</b>	<b>\$ 3,789,658.99</b>	<b>\$ 5,390,322.17</b>	<b>\$ 3,085,773.61</b>	<b>\$ 2,116,524.08</b>	<b>\$ 19,606,956.02</b>



**Funds generated from Special Sales Taxes**

**SPECIAL STREETS FUND - 201**

Beginning Balance 7/1/2023	\$	<b>395,420.00</b>
Revenues (IN)	+ \$	185,000.00
Expences (OUT)	- \$	<b>157,520.00</b>
(25% Reserve)	- \$	42,112.25
(Min 5% Reserve Annually)	\$	8,422.45
Ending Balance 6/30/24	= \$	<b>372,365.30</b>

**CAPITAL IMPROVEMENTS FUND - 301**

Beginning Balance 7/1/2023	\$	<b>737,700.00</b>
Revenues (IN)	+ \$	767,832.00
Expences (OUT)	- \$	<b>765,614.41</b>
(25% Reserve)	- \$	154,174.20
(Min 5% Reserve Annually)	\$	30,834.84
Ending Balance 6/30/24	= \$	<b>554,908.55</b>

**PARKS IMPROVEMENTS FUND - 210**

Beginning Balance 7/1/2023	\$	<b>443,258.00</b>
Revenues (IN)	+ \$	662,108.00
Expences (OUT)	- \$	<b>690,715.00</b>
(25% Reserve)	- \$	127,057.50
(Min 5% Reserve Annually)	\$	25,411.50
Ending Balance 6/30/24	= \$	<b>262,182.00</b>

**AIRPORT FUND - 560**

Beginning Balance 7/1/2023	\$	<b>191,557.00</b>
Revenues (IN)	+ \$	5,772.00
Expences (OUT)	- \$	<b>124,446.00</b>
(25% Reserve)	- \$	4,391.25
(Min 5% Reserve Annually)	\$	878.25
Ending Balance 6/30/24	= \$	<b>67,613.50</b>

Parks and Recreation does not have a separate capital improvement or reserve fund for capital expenditures. Instead it has it's own special tax funding and all expenditures are funded from this.

**Funds generated from Customer Rates and Fees**

**ELECTRIC RESERVES FUND - 502/503**

Beginning Balance 7/1/2023	\$	<b>427,118.00</b>
Revenues (5% Reserves Annually)	+ \$	264,925.52
Expences (OUT)	- \$	<b>102,500.00</b>
(25% Reserve Goal)	\$ 1,324,627.50	- \$ -
Ending Balance 6/30/24	\$ (735,083.98) =	<b>\$ 589,543.52</b>

**WATER RESERVES FUND - 511/512**

Beginning Balance 7/1/2023	\$	<b>902,733.00</b>
Revenues (5% Reserves Annually)	+ \$	41,155.00
Expences (OUT)	- \$	<b>143,844.00</b>
(25% Reserve Goal)	\$ 205,774.25	- \$ 205,774.25
Ending Balance 6/30/24	= \$	<b>594,269.75</b>

**WASTEWATER RESERVES FUND - 521/522**

Beginning Balance 7/1/2023	\$	<b>284,391.00</b>
Revenues (5% Reserves Annually)	+ \$	67,408.30
Expences (OUT)	- \$	<b>78,855.05</b>
(25% Reserve Goal)	\$ 272,944.25	- \$ 272,944.25
Ending Balance 6/30/24	= \$	<b>-</b>

**City of Salem, Missouri**  
**Fiscal Year 2024 Capital Improvement Plan Details**

		FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL
<b>201- Special Streets Fund</b>							
Streets	Pre-Existing Leases & Debt	\$ 37,520.00	\$ 43,520.00	\$ 43,520.00	\$ 43,520.00	\$ 43,520.00	\$ 211,600.00
Streets	Street Repaving	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 600,000.00
<b>201- Special Streets Fund Total</b>		<b>\$ 157,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 163,520.00</b>	<b>\$ 811,600.00</b>
<b>210- Park Improvement Fund</b>							
	Leases & Debt	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00
	Vehicle Replacement	\$ 35,000.00	\$ -	\$ -	\$ -	\$ -	\$ 35,000.00
	Pool Improvements - Filter Replacement	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00
	Pool Lighting R&R - Future Placeholder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Pool Parking Repaving - Future Placeholder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>210- Park Improvement Fund Total</b>		<b>\$ 144,306.00</b>	<b>\$ 134,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 109,306.00</b>	<b>\$ 606,530.00</b>
<b>301- Capital Improvement Fund</b>							
	Pre-Existing Leases & Debt	\$ 141,270.00	\$ 141,270.00	\$ 141,270.00	\$ 141,270.00	\$ 132,770.00	\$ 697,850.00
<b>Pre-Existing Leases &amp; Debt Subtotal</b>		<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 132,770.00</b>	<b>\$ 697,850.00</b>
Animal Control	Building Improvements - New Roof	\$ 15,000.00	\$ -	\$ -	\$ -	\$ -	\$ 15,000.00
<b>Animal Control Subtotal</b>		<b>\$ 15,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000.00</b>
Non Departmental	Old City Hall Building Improvements	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
	Admin Building Copier Replacement	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
	Council Chamber Updates	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
	IT & Cybersecurity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Non Departmental Subtotal</b>		<b>\$ 20,000.00</b>	<b>\$ 10,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000.00</b>
Bldg Insp	Dangerous Structure Remediation	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 75,000.00
<b>Bldg Insp Subtotal</b>		<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 75,000.00</b>
	Personnel Svcs						
Construction	Sidewalk Construction	\$ 130,000.00	\$ 133,900.00	\$ 137,917.00	\$ 142,054.51	\$ 146,316.15	\$ 690,187.66
Construction	Overtime Sidewalk Construction	\$ 1,766.00	\$ 1,818.98	\$ 1,873.55	\$ 1,929.76	\$ 1,987.65	\$ 9,375.93
Construction	Fica	\$ 10,300.00	\$ 10,609.00	\$ 10,927.27	\$ 11,255.09	\$ 11,592.74	\$ 54,684.10
Construction	Sidewalk Construction	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00
Construction	Downtown Tap Grant - Sidewalks & Pavers	\$ 70,521.96	\$ -	\$ -	\$ -	\$ -	\$ 70,521.96
Construction	Concrete Forms	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00
Construction	Backhoe	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 100,000.00
Construction	Utility Bed	\$ -	\$ -	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00
<b>Sidewalk Construction Total</b>		<b>\$ 242,587.96</b>	<b>\$ 271,327.98</b>	<b>\$ 195,717.82</b>	<b>\$ 180,239.35</b>	<b>\$ 184,896.53</b>	<b>\$ 1,074,769.65</b>
Elecric	DowntownTap Grant- Light Poles & Undergrounding	\$ 70,006.45	\$ -	\$ -	\$ -	\$ -	\$ 70,006.45
<b>Ele Downtown Project Total</b>		<b>\$ 70,006.45</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,006.45</b>
Streets	General Culvert Replacement	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 30,000.00
Streets	Hydrovac Truck	\$ 47,500.00	\$ -	\$ -	\$ -	\$ -	\$ 47,500.00
Streets	Brush Hog	\$ 20,250.00	\$ -	\$ -	\$ -	\$ -	\$ 20,250.00
Streets	Salt Bin Improvements	\$ 15,500.00	\$ -	\$ -	\$ -	\$ -	\$ 15,500.00
Streets	Cemetary - Vehicle Replacement	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00
Streets	Tractor	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00
Streets	Replace Storm Water Culverts on Henderson St.	\$ -	\$ 45,000.00	\$ -	\$ -	\$ -	\$ 45,000.00
Streets	Rotary Cutter for Skid Steer	\$ -	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00
Streets	Dump Truck	\$ -	\$ -	\$ -	\$ 195,000.00	\$ -	\$ 195,000.00
<b>Streets Fund Total</b>		<b>\$ 89,250.00</b>	<b>\$ 151,000.00</b>	<b>\$ 21,000.00</b>	<b>\$ 201,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 468,250.00</b>
Police	Vehicle Replacement (2)	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ -	\$ 450,000.00
Police	911 Enhancement	\$ 12,500.00	\$ -	\$ -	\$ -	\$ -	\$ 12,500.00
Police	K9 Replacement	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00
<b>Police Subtotal</b>		<b>\$ 102,500.00</b>	<b>\$ 135,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ -</b>	<b>\$ 477,500.00</b>
Econ Dev	Masters Industrial Park Signs	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00
Econ Dev	Voluntary Residential Demolition Program	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 100,000.00
<b>Econ Dev Subtotal</b>		<b>\$ 70,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 150,000.00</b>
<b>301- Capital Improvement Fund Total</b>		<b>\$ 765,614.41</b>	<b>\$ 743,597.98</b>	<b>\$ 512,987.82</b>	<b>\$ 677,509.35</b>	<b>\$ 358,666.53</b>	<b>\$ 3,058,376.10</b>
<b>502/503- Electric Reserve Fund</b>							
Elecric	Leases & Debt - Not in Subtotal	\$ 424,271.00	\$ 424,271.00	\$ 424,271.00	\$ 189,400.00	\$ 189,400.00	\$ 1,651,613.00
Elecric	Transformers	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 150,000.00
Elecric	Utility Poles	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00
Elecric	Hydrovac Truck	\$ 47,500.00					\$ 47,500.00
Elecric	Bucket Truck			\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 150,000.00
Elecric	Vehicle Replacement			\$ 50,000.00			\$ 50,000.00

**City of Salem, Missouri**  
**Fiscal Year 2024 Capital Improvement Plan Details**

		FY 24	FY 25	FY 26	FY 27	FY 28	TOTAL
Electric	Ind Park Ele Feeder Line					\$ 300,000.00	\$ 300,000.00
Electric	Line Replacement					\$ 250,000.00	\$ 250,000.00
<b>Electric Reserve Fund Total</b>		<b>\$ 102,500.00</b>	<b>\$ 55,000.00</b>	<b>\$ 155,000.00</b>	<b>\$ 105,000.00</b>	<b>\$ 655,000.00</b>	<b>\$ 1,072,500.00</b>
<b>511/512- Water Reserve Fund</b>							
Water	Leases & Debt - Not in Subtotal	\$ 115,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 529,055.00
Water	Line Replacement	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00
Water	New Well & Tower	\$ 6,344.00	\$ 31,656.00	\$ -	\$ -	\$ -	\$ 38,000.00
Water	Hydrovac Truck	\$ 47,500.00	\$ -	\$ -	\$ -	\$ -	\$ 47,500.00
Water	Lead Line Service Mapping	\$ 30,000.00	\$ -	\$ -	\$ -	\$ -	\$ 30,000.00
Water	Center St. Water Line Replacement		\$ 175,000.00				\$ 175,000.00
Water	Ind Park Water Tower Rehab			\$ 400,000.00			\$ 400,000.00
<b>Water Reserve Fund Total</b>		<b>\$ 143,844.00</b>	<b>\$ 266,656.00</b>	<b>\$ 460,000.00</b>	<b>\$ 60,000.00</b>	<b>\$ 60,000.00</b>	<b>\$ 990,500.00</b>
<b>521/522- WasteWater Reserve Fund</b>							
WWater	Leases & Debt - Not in Subtotal	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 1,528,950.00
WWater	WW Treatment Plant Upgrades	\$ 8,505.05	\$ 41,494.95				\$ 50,000.00
WWater	Hydrovac Truck	\$ 47,500.00					\$ 47,500.00
WWater	I&I Mapping	\$ 22,850.00					\$ 22,850.00
WWater	I&I Rehabilitation-80000		\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 480,000.00
WWater	Bonebrake Ctr Sewer Line Realignment-200000						\$ -
WWater	Vehicle Replacement		\$ 35,000.00				\$ 35,000.00
<b>WasteWater Reserve Fund Total</b>		<b>\$ 78,855.05</b>	<b>\$ 196,494.95</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 635,350.00</b>
<b>560- Airport Fund</b>							
Airport	Pilot's Lounge Improvements	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00
Airport	New Electric Svs via Intercounty Electric	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00
Airport	T-Hangar Construction	\$ 43,117.00	\$ -	\$ -	\$ -	\$ -	\$ 43,117.00
Airport	Taxiway Construction	\$ -	\$ 62,500.00	\$ -	\$ -	\$ -	\$ 62,500.00
Airport	Add'l 6 T-Hangar Construction	\$ -	\$ -	\$ -	\$ -	\$ 76,500.00	\$ 76,500.00
<b>Airport Subtotal</b>		<b>\$ 73,117.00</b>	<b>\$ 62,500.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,500.00</b>	<b>\$ 212,117.00</b>
<b>Grants &amp; Bond Issue</b>							
Construction	Downtown Tap Grant-MoDOT funding	\$ 155,760.85					\$ 155,760.85
Electric	Downtown Tap Grant-MoDOT funding	\$ 158,652.81					\$ 158,652.81
Police	911 Enhancement-	\$ 237,500.00	\$ -	\$ -	\$ -	\$ -	\$ 237,500.00
Water	New Well & Tower-DNR funding	\$ 628,000.00	\$ 517,000.00	\$ 1,938,750.00	\$ 646,250.00		\$ 3,730,000.00
Water	Lead Line Service Mapping-DNR funding	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 150,000.00
WWater	WW Plant Upgrades - ARPA Grant through DNR	\$ 842,000.00	\$ 1,039,500.00	\$ 2,079,000.00	\$ 1,039,500.00	\$ -	\$ 5,000,000.00
WWater	I&I Mapping - DNR funding	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00
560	Airport T Hangars-FAA & BIL funding through MoDOT	\$ 721,382.00	\$ -	\$ -	\$ -	\$ -	\$ 721,382.00
Airport	Airport Taxilanes for future 6 Unit T-Hangars	\$ -	\$ 562,500.00	\$ -	\$ -	\$ -	\$ 562,500.00
Airport	Add'l 6 T-Hangar Const FAA/NPE MoDOT	\$ -	\$ -	\$ -	\$ -	\$ 688,500.00	\$ 688,500.00
703	Econ Dev Welcome Home Housing Rehab - FHLB DM	\$ 300,000.00	\$ 325,000.00	\$ -	\$ -	\$ -	\$ 625,000.00
<b>Grants &amp; Bond Issue Total</b>		<b>\$ 3,243,295.66</b>	<b>\$ 2,444,000.00</b>	<b>\$ 4,017,750.00</b>	<b>\$ 1,685,750.00</b>	<b>\$ 688,500.00</b>	<b>\$ 12,079,295.66</b>
<b>ALL FUNDS TOTAL PROJECTS</b>		<b>\$ 4,709,052.12</b>	<b>\$ 4,066,074.93</b>	<b>\$ 5,538,563.82</b>	<b>\$ 2,921,085.35</b>	<b>\$ 2,231,492.53</b>	<b>\$ 19,466,268.76</b>

<b>Project:</b>	<b>Debts &amp; Leases</b>	<b>Fund:</b>	<b>Special Street - 201</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Description continued:</b>
<p>The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Capital Improvement Revenues. Loader lease ends FY 24 (will still need a loader - expected that a renewed/new lease will be necessary as there will not be enough time to build reserves for a purchase). Backhoe lease ends FY 24 (will still need a backhoe, but possibility of buying out this lease and moving this equipment to Construction and acquiring a new lease for this piece of equipment). Skid Steer (1/2 lease split with Cap Improvement Fund 301) Lease ends FY 27, will need to make determination of purchase or renewed lease at end of term. Each of the leased pieces of equipment are critical for the successful execution of our jobs and for the jobs of other city departments. We use them for all of the duties mentioned above and to assist other city departments as needed, as well as for storm/damage clean-up and repair to re-open city streets.</p>	<ul style="list-style-type: none"> <li>• <b>Backhoe.</b> The backhoe is one of our most heavily used pieces of equipment. We use it to repair/replace culvert pipes, remove yard waste, assist with asphalt work, load materials, etc. Its uses are basically endless.</li> <li>• <b>Loader.</b> The loader is used to pick up yard waste, load/unload transformers and other equipment and materials, mix and load salt and gravel for ice/snow removal, push snow/ice from cul-de-sacs and city parking lots, load gravel on dump trucks, etc.</li> <li>• <b>Skid Steer.</b> The skid steer is used continuously, and weekly at the yard waste site. It has tracks instead of rubber tires, so there is no need to worry about flat tires. We also use it to level asphalt for asphalt patches, spread topsoil, and for many other things city-wide on a routine basis.</li> </ul> <p>The Street Department could not function without these 3 pieces of equipment.</p>

<b>Justification:</b>	<b>Image:</b>
Pre-existing Debt Obligations	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
201-501-70840 - Loader Lease	\$ 17,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 97,000.00
201-501-70870- Backhoe Lease	\$ 12,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 72,000.00
201-501-70890- Skid Steer Lease	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 8,520.00	\$ 42,600.00
<b>Total</b>	<b>\$ 37,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 43,520.00</b>	<b>\$ 211,600.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Street Repaving</b>	<b>Fund:</b>	<b>Special Streets - 201</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Annual Street Repaving</b>

<b>Project or Item Description:</b>	<b>Image:</b>
<p>Street repaving is when new asphalt is used to resurface streets that are in severe disrepair due to crumbling and/or deteriorating asphalt from weather, use, time, and age. The new asphalt levels and smooths uneven surfaces and helps to seal cracks to prevent moisture from seeping into the subsurface, which would cause further (costlier) damage.      Priority Streets: YEAR-1: Hickory St (Roosevelt to 32 Hwy); Coffman St (Hickory to Pershing); Oak St (Dent to Center); 1st St (19 to MacArthur); Jackson St and Bergman Street Loop.      YEAR-2: Pershing St (32 Hwy to 10th Street); E. Hawkins St (Warfel to Holman); Holman St (Hawkins to Center); Hobson St (Louise to dead end); Dent St (MacArthur to Washington); Henderson St (Dent to Franklin); Parkview; Rolla Rd (J Hwy to 19 Hwy); 9th St(Henderson to Jackson); 4th St/Orchard St Loop (MacArthur to 3rd); 11th St and Hickory St Loop; Iron Mountain Rd (3rd St to City Limit).      YEAR 3: 9th St (Pershing to dead end); Westwood Dr; Orchard St (32 Hwy to International); Butler St (MacArthur to Grand); Acuff St (MacArthur to Grand); Orchard St (Butler to 1st); 1st St (MacArthur to Grand); 1st St (Walker to Park); Grand St (3rd to Rolla Rd)</p>	

<b>Justification:</b>	<b>Image:</b>
The streets listed above have worse (larger and deeper) cracks, more deterioration (crumbling asphalt/pot holes), and more uneven surfaces. They are in dire need of repair.	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$120,000.00	\$120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 600,000.00
						\$ -
<b>Total</b>	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 600,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Pre-existing debt for the COP which financed the pool upgrades. COP will be paid in full in 2037.	

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00
						\$ -
Total	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 109,306.00	\$ 546,530.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Vehicle Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Purchasing a new or used 4 wheel drive 3/4 ton truck with a long bed for Parks and Recreation daily use for park maintence, trash collection, and watering.	

<b>Justification:</b>	<b>Image:</b>
The 2002 Dodge we were driving for Parks and Recreation the rear end went out and it has one cylinder that is not firing, a costly repair. The Dodge 2002 was a hand me down from another department. It's now sitting on lot for Purplewave. Lonnie and Ethan are currently driving the truck we use for watering, 1/2 ton Chevy 2 wheel drive, for everyday tasks and watering. The water tank is to heavy for truck which causes more trips to fill tank and not filling to capacity. Not having 4-wheel drive also adds challenges to everyday tasks.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 35,000.00					\$ 35,000.00
						\$ -
Total	\$ 35,000.00	\$ -	\$ -	\$ -	\$ -	\$ 35,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
Regular scheduled maintenance (oil changes) and tires.



<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	<b>Cap Improvements 301</b>
<b>Department:</b>	<b>Multiple Departments</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
ESP Financing Ends in 2036 - This is financing for Energy Efficiency Upgrades at the Admin Building, Old City Hall, Police Department, Parks Shop and Salem Community Ctr. Skid Steer Lease Ends FY27 (Split with Special Streets Fund 201), City Hall & Admin Bldg Lighting Proj ends 2031 - Includes Admin Bldg, Old City Hall, Police Dept and Salem Community Center	


<b>Justification:</b>	<b>Image:</b>
Pre-Existing Leases and Debt Obligations	



#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
301-506-70685 ESP Al Brown Lighting	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 42,029.00	\$ 210,145.00
301-508-70890- Skid Steer Lease 1/2	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00		\$ 34,000.00
301-510-70695-ESP HVAC Admin & City Hall	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 46,924.00	\$ 234,620.00
301-510-71052-City Hall Lighting Project	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 13,370.00
301-510-71062-Admin Bldg Lighting Project	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 1,337.00	\$ 6,685.00
301-511-71122-Police Dept Lighting Proj	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 2,674.00	\$ 13,370.00
301-511-71160-ESP Police Dept	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 6,328.00	\$ 31,640.00
301-517-71720-Comm Ctr Lightng Project	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 6,685.00	\$ 33,425.00
301-517-71730-ESP Comm Ctr	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 24,119.00	\$ 120,595.00
<b>Total</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 141,270.00</b>	<b>\$ 132,770.00</b>	<b>\$ 697,850.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Roof Replacement</b>	<b>Fund:</b>	<b>301 - Cap Improvements</b>
<b>Department:</b>	<b>Animal Control</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The roof for the City's Animal Shelter, used for temporary housing of animals during overnights, in instances of law enforcement cases, and when the Dent County Animal Welfare Society (DECAWS) is not accepting animals, needs to be replaced to keep the building in usable condition.	

<b>Justification:</b>		
The current roof has a visible hole and down elevation rot, and has been leaking for an unknown amount of time.		

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301 - Capital Improvements	\$ 15,000.00					\$ 15,000.00
						\$ -
<b>Total</b>	<b>\$ 15,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
Should reduce maintenance costs by securing the building envelope and preventing further damage to the interior.

<b>Project:</b>	<b>City Hall Building Improvements</b>	<b>Fund:</b>	<b>301-Cap Improvements</b>
<b>Department:</b>	<b>Non-Departmental</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>The Old City Hall is in need of both final sealing of the building envelop via sealing up drafty windows, removing the window air conditioner, and replacing the old furnace room exterior door, as examples, but there is also a need for renovation of the top floor meeting space accessed via the balcony access. I propose to gut the interior walls which were not original to the building and space, it was carved into individual offices, and to open the entire width of the building on this floor to create a meeting/banquet space. Once the newer partition walls are removed, we can look at having the original plaster walls repaired, determine a solution for the ceiling, apply new paint and have the original oak floors repaired in once section and refinished. We will also need to re-install the bathroom for this space. The intent is to instill a feel and look appropriate to the late 30s/early 40s but with modern amenities for a useful meeting/banquet space.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>The building is sitting underutilized and has been for several years. Leaving an old building sitting and not keeping it in repair is one of the worst things you can do for preservation of a building. While there are efforts underway to get the Civic Theater portion of the building going, the rest of the building awaits a modern purpose. During this in-between time we need to care for and make efforts to not let it slip further into neglect. These repairs and renovations could also lend to an additional revenue stream for the building as rented space for meetings and small events. The intent is not to compete with other facilities, but to put the space back in usable condition.</p>	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$ 10,000.00	\$ -				\$ 10,000.00
						\$ -
<b>Total</b>	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
<p>Sealing the Building envelope will reduce ongoing utility costs for heating and cooling the building. Since it is in use year round, it is important to reduce those costs.</p>

<b>Project:</b>	<b>Main Copier Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Non-Departmental</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The Kyocera Ecosys FS-c8525MFP copier/scanner/fax machine at the Administration Building prints color or PDF documents with shadow printing as shown in the image.	

<b>Justification:</b>	<b>Image:</b>
This leaves staff with only being able to utilize the smaller desktop printers/copiers for color printing/copying. The purpose of a larger muntifunction machine is that when printing large numbers of copies, the copying is supposed to be cheaper and faster than using desktop units.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 10,000.00					\$ 10,000.00
						\$ -
<b>Total</b>	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Housing Demolition</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Building Inspection</b>	<b>Program:</b>	<b>Dangerous Structure Remediation</b>

<b>Project or Item Description:</b>	<b>Image:</b>
This is a new funding request. In instances where the City Staff, working with property owners are not able to come to a resolution of public safety issues concerning dangerous structures. Staff may move forward with legal efforts to condemn a structure and have it demolished for the public good of the community. This effort will only be pursued after first attempting a resolution of the issues through other means which may include making the owner aware of the options available through the Voluntary Residential Demolition Program.	

<b>Justification:</b>	<b>Image:</b>
Derelict properties often pose a public safety concern for the community. The proposed budgeted amount is based upon costs incurred to demolish 8 houses over the past two years through the Voluntary Residential Demolition Program with added inflation factors and allowing for the loss of efficiency for doing multiple demolitions at once.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301 - Cap Improvements	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 75,000.00
						\$ -
<b>Total</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 75,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
It is anticipated this expense will be necessary for the foreseeable future.

<b>Project:</b>	<b>Personnel</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk Construction</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Wages for City's Construction Crew. Projections reflect a 3% COLA beginning in FY25.	

<b>Justification:</b>	<b>Image:</b>
This crew performs all sidewalk replacement, and smaller construction jobs for the City.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-501-11003 Sidewalk Construction	\$ 130,000.00	\$ 133,900.00	\$ 137,917.00	\$ 142,054.51	\$ 146,316.15	\$ 690,187.66
301-501-11100 Overtime Sidewalk Const	\$ 1,766.00	\$ 1,818.98	\$ 1,873.55	\$ 1,929.76	\$ 1,987.65	\$ 9,375.93
301-501-15000 FICA	\$ 10,300.00	\$ 10,609.00	\$ 10,927.27	\$ 11,255.09	\$ 11,592.74	\$ 54,684.10
Total	\$ 142,066.00	\$ 146,327.98	\$ 150,717.82	\$ 155,239.35	\$ 159,896.53	\$ 754,247.69

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Sidewalks</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Ongoing Sidewalk Repair &amp; Replacement</b>

<b>Project or Item Description:</b>	<b>Image:</b>
sidewalk and curb construction	

<b>Justification:</b>	<b>Image:</b>
To continue to construct new and replace old sidewalks and curbing that are in need of repair	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-505-70510 Sidewalk Construction	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 125,000.00
						\$ -
<b>Total</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 125,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>Downtown Upgrades</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk R&amp;R</b>

Project or Item Description:	Image:
<p>The City of Salem is working with downtown property owners to enhance and beautify our city core.</p> <p>The Downtown Project is funded mainly through grant funding which includes a Transportation Alternatives Program (TAP) grant through the Missouri Department of Transportation (MoDOT).</p> <p>The main focus of this project is to upgrade our sidewalks to meet Americans with Disabilities Act (ADA) standards and upgrade the lighting with historically reminiscent street lighting fixtures and underground wiring to enhance the aesthetics of our historic business corridor. The Downtown Project replaces sidewalks with ADA compliant ramps and accesses and undergrounds the electric infrastructure under a brick paver border for ease of access for repair work. Light Poles and fixtures will also be replaced with replicas matching what was historically downtown.</p>	<p>Technical drawing of a Stresscrete Pole Structure Type "KCH20". The drawing includes side and front views with detailed dimensions and component labels. Key dimensions include a total height of 20' 0", a top arm length of 6' 0", and a base width of 2' 0". Labels include: (A) 15A/120V SIMPLY RECEPTACLE WITH WEATHERPROOF "W-USE" COVERPLATE, PROVIDED BY OWNER; (2) - BANNER ARMS WITH REMOVABLE BALL; (B) (2) - 1" NPT "BRANDNAME" PLUMBING COUPLER FOR BANNER ARM LOCATION AND LENGTH TBD; (A) NEMA 3R, 240/120VAC, 2-POLE, 2-CIRCUIT BREAKER ENCLOSURE WITH 2-20A, 1-POLE CHLZ/TPR OR APPROVED EQUAL, CONTRACTOR TO COORDINATE WITH POLE MANUFACTURER FOR REQUIRED THREADED CONDUIT NIPPLE AND MOUNTING STUDS PLACEMENT &amp; DIMENSIONS (TYP OF 2); (A-D) 20A/120V GFCI DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE &amp; GASKET, COLOR: TXT CHICAGO BRONZE, PROVIDED BY OWNER, (TYP OF 2); (A) SMALL NAMEPLATE; (A) 2 5/8" x 8" RECESSED ZINC PLATED BOX &amp; COVERPLATE 1/4" GROUND WIRE &amp; ALLENHEAD SCREWS, PAINT: TXT CHICAGO BRONZE; SCHEDULE 40 PVC CONDUIT, 1.5" (MIN) OR 2" (TYP), SIZE PER NEC AND AS REQUIRED BASED ON CONDUIT ROUTING &amp; QUANTITIES PER 1-LINE DIAGRAM AND SITE PLANS, EXTEND TOP OF CONDUIT INTO POLE STRUCTURE 6 INCHES (MIN) ABOVE FOUNDATION BASE; (A) 45/4" x 27" LG GALV ANCHOR BOLTS (BY STRESSCRETE); #3 TIES AT 12" O.C (TYP); 6 - #6 BARS (EVENLY SPACED); 3/4" REVEL; 16" FL/PL; 12"; 24"; 12"; 3' 0"; 13 1/2"; 10 1/2"; 5" MIN; GROUND ROD; DNG LAB (BY TYP); NOT TO SCALE; SINGLE HORIZONTAL ARM MOUNTED LED TYPE FIXTURE.</p>

Justification:	Image:
<p>Bring sidewalks up to ADA requirements. Renew and Refresh Salem's Downtown and make it safer for pedestrians.</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-??? Sidewalks & Pavers	\$ 70,521.96					\$ 70,521.96
301 - Ele Light poles & underground	\$ 70,006.45					\$ 70,006.45
Grants & Bond Issue - Sidewalks & Pavers	\$ 155,760.85					\$ 155,760.85
Grants & Bond Issue - Electric light poles & underground	\$ 158,652.81					\$ 158,652.81
<b>Total</b>	<b>\$ 454,942.07</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 454,942.07</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)
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<b>Project:</b>	<b>Sidewalk R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	<b>Sidewalk R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Concrete Forms	

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-505-70540 Concrete Forms	\$ 5,000.00					\$ 5,000.00
						\$ -
Total	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Culvert R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Facility R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
A culvert is a structure that channels water past an obstacle or to another waterway. Over time, these culverts can rust and deteriorate. If not replaced, there is an increased danger of road collapse and flooding.        Priority culverts: North Park Street; Doss Road, south of the bridge; and 4th and MacArthur.	


<b>Justification:</b>	<b>Image:</b>
North Park Streets: Holes are appearing in the yards of home owners because the bottoms of the culvert pipes are rusted out and gone, and water is eroding the dirt around the culverts, causing the soil to further erode and collapse.        Doss Road and 4th and MacArthur: These culverts actually go under the city streets. The bottoms of these culvert pipes are also rusted out and gone. Their collapse could cause the shutdown of two major city streets.	


Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 30,000.00
						\$ -
<b>Total</b>	<b>\$ 6,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 6,000.00</b>	<b>\$ 30,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Hydrovac Truck Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301, Ele Rsv - ???, Water Rsv - ???, WWtr Rsv - ???</b>
<b>Department:</b>	<b>Streets, Water, Wwater, Electric</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>2013 vac truck with hydro-excavation package. This VAC TRUCK has three functions. It can rod sewer mains and services a newer and more reliable way to do this would give the city a tool to cut out costly call outs if they had a piece of equipment that could operate daily to prevent this. This machine also is a pump truck currently the city has no way to pump out lift stations in an emergency situation. We currently have to wait on a vac truck while the sewers is backing up in the customers house. That charge is \$500.00 trip. The last function of this machine is it will hydro-excavate. This ensures the safety of personnel excavating around gas lines and other utilities. This machine can be used by electric, water, sewer and the street department.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>with the amount of underground utilities that we have we need to be able to expose those utilities before we start excavation. The city has culverts that need replaced that are under streets. Currently the City of Salem has a 27 year old sewer machine. This machine has only one function and is worn out. In 2022 the machine failed us. The city had to rent another machine for four days. The cost of rental per day was \$450.00 per day not to mention two days pay for an employee to get the machine and deliver it back. The city also had a several thousand- dollar bill for parts for the city mechanic to repair the machine on the weekend to put it back in service.</p> <p>This machine is no longer able to operate to do the sewer maintenance required by the E.P.A. or D.N.R. it is used for when a problem occurs not to prevent problems. It only has one function and that is to rod sewers and sewer services. This 2013 model would be a nice piece of equipment to have to ensure the safety of employees and would produce less injuries in hand digging. It also will leave less mess in customers yard and allow a more suitable yard appearance when yard work is done.</p>	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- ST - Hydrovac Truck Purchase	\$47,500.00					\$ 47,500.00
Ele - Hydrovac Truck Purchase	\$47,500.00					\$ 47,500.00
Water - Hydrovac Truck Purchase	\$47,500.00					\$ 47,500.00
Wwater - Hydrovac Truck Purchase	\$ 47,500.00					\$ 47,500.00
Total	\$ 190,000.00	\$ -	\$ -	\$ -	\$ -	\$ 190,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

<b>Project:</b>	<b>Equipment Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
2022 batwing bush hog - The requested brush hog is a 15-foot batwing piece of equipment that is pulled behind a large tractor and is used to cut grass and brush to maintain the city airport, the city landfill (required by DNR to be cut twice a year), the industrial park (including the 30 acres m/1 recently cleared), and other city property as needed.	

<b>Justification:</b>	<b>Image:</b>
We currently only have a 5-foot brush hog that simply cannot meet the maintenance demands of the city. For example, currently it takes at least 3 weeks to brush hog just the airport. With the new 15-foot batwing brush hog, the estimated time for completion at the airport would be reduced to 1 week or less. The savings (fuel, man hours) for that task alone would be substantial.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$20,250.00					\$ 20,250.00
						\$ -
Total	\$ 20,250.00	\$ -	\$ -	\$ -	\$ -	\$ 20,250.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>Salt Bin Repair</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Bldg &amp; Facility Maintenance</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Salt bins are sheds that are used to store rock salt and pea gravel/grit used for snow and ice removal. We have two buildings; each building has two bins (a total of 4 bins). One of the sheds needs a new metal roof and back wall replaced.	

<b>Justification:</b>	<b>Image:</b>
The current old shingle roof leaks, which allows rain and moisture to melt the stored salt. The back wall is constructed of wood and a large metal I-beam for structural support. Over the years, the salt has nearly completely eroded the I-beam, and the entire back wall is bulged out and about to collapse. According to the City construction crew, they can fix the back wall by tearing out the old wall and then pouring concrete footings and a new concrete wall, including new concrete structural supports. Last year, we replaced the old leaking roof on the other shed. That shed has concrete walls that are structurally sound, so no other improvements were needed. In addition to the probable collapse of the entire building, the leaking roof will cause the loss of any stored salt.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Salt Bin Repair	\$ 15,500.00					\$ 15,500.00
						\$ -
Total	\$ 15,500.00	\$ -	\$ -	\$ -	\$ -	\$ 15,500.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Vehicle Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Police</b>	<b>Program:</b>	<b>Vehicle R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
(1) 2023 Dodge Charger Pursuit, (1) Dodge Durango Pursuit to replace (1) outgoing Ford Explorer and (1) Dodge Charger	

<b>Justification:</b>	<b>Image:</b>
This is a part of our ongoing fleet management plan. The plan allows us to keep low mileage dependable and warranty covered patrol cars on our streets. The program has reduced our vehicle maintenance costs by 40% per year on average. Our fixed asset sales allow us to offset the purchase price of one car per year	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-511-71110- Vehicle Replacement	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00		\$ 450,000.00
						\$ -
Total	\$ 90,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ -	\$ 450,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>911 Enhancement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Police</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>


<b>Justification:</b>	<b>Image:</b>


Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301 - 911 Enhancement Local Match 5%	\$ 12,500.00					\$ 12,500.00
Grants & Bonds	\$ 237,500.00					\$ 237,500.00
Total	\$ 250,000.00	\$ -	\$ -	\$ -	\$ -	\$ 250,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Industrial Park Signage</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Planned signage set for the Industrial Park. Includes design and construction/instalation for main sign and a directional sign at the intersection of Mulnack, Pines and Carnett Dr. To also include design work only, as part of the complete project, for matching individual signage for each business to have built and installed at their expense. Preparation for this project completed to date: Concept design as seen in the pictures included, MoDOT ROW has been identified to determine location of main sign.	<p><b>Main Sign at Industrial Park Entrance</b></p> 

<b>Justification:</b>	<b>Image:</b>
The main sign for Masters Industrial Park fell down several years ago and needs to be replaced. There is an unspoken obligation on the City's part to provided signage for those businesses located in the City's Industrial Park. This project is a roll-over from last budget year. Due to change in positions and responsibilities, this project was not able to be completed.	<p><b>Directional Sign and Individual Business Signs</b></p> 

### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
CI Sales Tax	\$ 50,000.00					\$ 50,000.00
						\$ -
<b>Total</b>	<b>\$ 50,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Housing Demolition</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	<b>Voluntary Residential Demolition</b>

<b>Project or Item Description:</b>	<b>Image:</b>
The City offers residents an incentive to beautify the community through a sponsored residential demolition program. The program assists with efforts to beautify the community and promotes a sense of pride for residents, and makes the community safer and more appealing.	

<b>Justification:</b>	<b>Image:</b>
This program was developed to assist property owners inside the City with property cleanup in an effort to improve pubic safety, appearance and community pride. To date 8 structures have been cleanup in partnership with private property owners and 1 property has been donated to the City.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 100,000.00
						\$ -
<b>Total</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 20,000.00</b>	<b>\$ 100,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	<b>Electric 501</b>
<b>Department:</b>	<b>Multiple Departments</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Electric Fund revenues. TL48 Digger Truck lease began in 2023 and goes through 2028. The C5048 Bucket Truck lease began in 2023 and goes through 2028. The COP payment is for installation of automatic meter reading infrastructure and goes through 2038. The MMMPEP is for the Feb 2021, severe weather event, this debt payment goes through 2026.	

<b>Justification:</b>	<b>Image:</b>
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
501-501-70182- Digger Truck	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 57,600.00	\$ 288,000.00
501-501-70184- Bucket Truck Lease	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 30,300.00	\$ 151,500.00
501-501-70199/70200- COP Payments	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 101,500.00	\$ 507,500.00
501-501-66010- MMMPEP weather relief	\$ 234,871.00	\$ 234,871.00	\$ 234,871.00			\$ 704,613.00
<b>Total</b>	<b>\$ 424,271.00</b>	<b>\$ 424,271.00</b>	<b>\$ 424,271.00</b>	<b>\$ 189,400.00</b>	<b>\$ 189,400.00</b>	<b>\$ 1,651,613.00</b>

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)

\$ 19,572.58

<b>Project:</b>	<b>transformers</b>	<b>Fund:</b>	<b>301-02</b>
<b>Department:</b>	<b>electric</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
transformers for upgrades and general maintenance	

<b>Justification:</b>	<b>Image:</b>
As services are being upgaded or loads change at a residence, old transformers which are unable to handle the load increases must be changed	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$ 150,000.00
						\$ -
<b>Total</b>	<b>\$ 30,000.00</b>	<b>\$ 30,000.00</b>	<b>\$ 30,000.00</b>	<b>\$ 30,000.00</b>	<b>\$ 30,000.00</b>	<b>\$ 150,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>utility poles</b>	<b>Fund:</b>	<b>301-02</b>
<b>Department:</b>	<b>electric</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
utility poles	

<b>Justification:</b>	<b>Image:</b>
As new services are built or old poles need replaced due to age	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$ 125,000.00
						\$ -
<b>Total</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 125,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	<b>Water 510</b>
<b>Department:</b>	<b>Multiple Departments</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Water Fund revenues. The COP payment is for installation of automatic meter reading infrastructure and goes through 2038. The lease for the backhoe goes through 2024.	

<b>Justification:</b>	<b>Image:</b>
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
510-501-70197/70199- COP	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 103,411.00	\$ 517,055.00
510-501-70391- Backhoe	\$ 12,000.00	\$ -	\$ -	\$ -	\$ -	\$ 12,000.00
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 115,411.00</b>	<b>\$ 103,411.00</b>	<b>\$ 103,411.00</b>	<b>\$ 103,411.00</b>	<b>\$ 103,411.00</b>	<b>\$ 529,055.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>replacement of water lines</b>	<b>Fund:</b>	<b>301-03</b>
<b>Department:</b>	<b>water</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
replace old water lines	

<b>Justification:</b>	<b>Image:</b>
With the growing issues of water lines that need replaced the city needs a plan in place to start the process of replacing water lines. The future funding and scope for line replacement is subject to change as the City completes the Lead Service Line Inventory during this budget year, but we do not have a way of anticipating what that may look like yet.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00
						\$ -
Total	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 300,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>New well</b>	<b>Fund:</b>	<b>301-03</b>
<b>Department:</b>	<b>water</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
New well and storage tower on hwy 72 across from Salem Memorial Hospital. The City of Salem's operable water wells do not have adequate production to meet the current maximum daily water demand of the system, should the largest well be out of service. Furthermore, the City's elevated storage facilities do not have adequate volume to meet the average day demand, not including any fire fighting reserve. The project includes construction of a estimated 450 gpm new drinking water well, well house, a 400,000 gallon welded steel elevated storage tank and approximately 1,500 lineal feet of water main with MoDOT Highway bore to connect to existing distribution system. Several locations were considered for the new facilities. The chosen location will located in the northwest portion of the system and provide redundant service to the Salem	

<b>Justification:</b>	<b>Image:</b>
The City of Salem's Well No. 5 has been removed from production due to ongoing turbidity issues that were not able to be resolved. The new well and well house will essentially replace Well No. 8 production in the system. The new 400,000 gallon elevated storage tank will likely replace the 70+ year old 75,000 gallon "witch's hat" tower. The additional capacity will also allow maintenance on the tower in the industrial park.	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
<b>Water</b>	\$ 6,344.00	\$ 31,656.00				\$ 38,000.00
<b>DNR Grant Funding</b>	\$ 628,000.00	\$ 517,000.00	\$ 1,938,750.00	\$ 646,250.00		\$ 3,730,000.00
<b>Total</b>	\$ 634,344.00	\$ 548,656.00	\$ 1,938,750.00	\$ 646,250.00	\$ -	\$ 3,768,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Lead Svs Line Study/Mapping</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Water</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>The project consists of accurately locating/surveying all public and private water service features and developing a GIS map of the water system. Survey grade instruments will be used to locate water infrastructure including meters and identifiable service line routings. Interviews will be conducted with the utility personnel to determine the information they have on all service laterals. Historic information will be reviewed, such as Building Permits, Infrastructure Construction Documents, historic aerial/satellite images, etc. Once all the information is disseminated that can be obtained and the unknown service lateral pipe locations and materials are short listed, field inspections will be conducted of the meter pits and of crawl spaces and basements where possible. Some excavation may be used if deemed appropriate. Each service line will be categorized as Lead, Galvanized Requiring Replacement, Non-Lead or Lead Status Unknown.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>Once an accurate GIS map is completed as much as is feasible a replacement plan can be developed.</p>	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$ 30,000.00					\$ 30,000.00
<b>DNR Grant Funding</b>	\$ 150,000.00					\$ 150,000.00
<b>Total</b>	\$ 180,000.00	\$ -	\$ -	\$ -	\$ -	\$ 180,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Leases &amp; Debt</b>	<b>Fund:</b>	<b>Sewer 520</b>
<b>Department:</b>	<b>Multiple Departments</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The listed items are pre-existing equipment leases and incurred debt for the department that are paid out of the Sewer Fund revenues. The COP payment is for sewer system extensions and upgrades to the wastewater treatment facility and goes through 2038.	

<b>Justification:</b>	<b>Image:</b>
Pre-Existing Leases and Debt Obligations	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	
520-501-701970/70191- COP	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 305,790.00	\$ 1,528,950.00
		\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 305,790.00</b>	<b>\$ 305,790.00</b>	<b>\$ 305,790.00</b>	<b>\$ 305,790.00</b>	<b>\$ 305,790.00</b>	<b>\$ 1,528,950.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Inflow &amp; Infiltration Study</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Wastewater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Facility Plan to evaluate I&I issues throughout the City. This will include 4 months of flow monitoring in strategic locations throughout the collection system. In addition, it will include smoke testing in the collection system based upon priority areas identified during flow monitoring analysis.	

<b>Justification:</b>	<b>Image:</b>
This Facility Plan will help the City to develop a multi-year capital improvement plan for the collection system.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 22,850.00					\$ 22,850.00
DNR Grant	\$ 50,000.00					\$ 50,000.00
Total	\$ 72,850.00	\$ -	\$ -	\$ -	\$ -	\$ 72,850.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>WWTF Upgrades</b>	<b>Fund:</b>	<b>Wasetwater Reserves</b>
<b>Department:</b>	<b>WasteWater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Project represents Phase 2a of the City's WWTF Master Plan. Improvements include: Wet Weather Treatment including Disinfection to meet the requirements of the AOC for Outfall #002, new sludge drying bed, improvements to the Influent Pump Station, Chemical Phosphorus facilities and Oxidation Aeration Equipment. Per discussions with MDNR, this project does not require Antidegradation Review	

<b>Justification:</b>	<b>Image:</b>
Wet Weather treatment improvements will allow the City to fully meet their existing disinfection limit and afford elimination of the existing Outfall #002. Oxidation Ditch Aeration Equipment improvements and Chemical Phosphorus facilities will aid in meeting upcoming Total Nitrogen and Total Phosphorus limits. Additional facility rehabilitation will aid their ability to meet all discharge limits.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$ 8,505.05	\$ 41,494.95				\$ 50,000.00
ARPA Grant - DNR	\$ 842,000.00	\$ 1,039,500.00	\$ 2,079,000.00	\$ 1,039,500.00		\$ 5,000,000.00
<b>Total</b>	<b>\$ 850,505.05</b>	<b>\$ 1,080,994.95</b>	<b>\$ 2,079,000.00</b>	<b>\$ 1,039,500.00</b>	<b>\$ -</b>	<b>\$ 5,050,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Bonebrake Realignment</b>	<b>Fund:</b>	<b>301-04</b>
<b>Department:</b>	<b>WasteWater</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>Bonebrake Sewer Main Realignment is a project to move an old clay sewer main and replace it the line is in terrible shape and full of tree roots. The line goes under water in a storm event and in return most of that water goes to our wastewater treatment plant and we have to treat the storm water. The line has been consistently failing for the last fifteen years and the City has little to no access to do maintenance to cut tree roots out of the sewer main. Replacing and moving this line allows for better access and will locate it in a place easier to get equipment to it also will get it away from the creek and out of a swamp to prevent future storm water from going to the plant. The line has trouble draining in a storm event and has been known to back the main line up. This project includes installing four new manholes and replacing nine hundred fifty one feet of sewer main. It also includes the demolition of the existing sewer and dirt work and clean up for the project.</p>	

<b>Justification:</b>	<b>Image:</b>
<p>to replace the main that has major issues: breaking apart, has roots that are causing the system to back up, and has inflow and infiltration issues that effect the WWTF</p>	

#### Project Costs and Funding Source

<b>Funding Source</b>	<b>FY 24</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>Total</b>
	\$200,000.00					\$ 200,000.00
						\$ -
<b>Total</b>	<b>\$ 200,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>I and I issues</b>	<b>Fund:</b>	<b>301-03</b>
<b>Department:</b>	<b>water</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
<p>I&amp;I Rehabilitation of manholes project. I&amp;I stands for inflow and infiltration of storm water. This is water leaking or flowing into a sealed system due to deterioration or root damage. Manhole lining is a effective solution to fixing these problems and cheaper than replacement. Missouri Department of Natural Resources requires owners of system to maintain and do maintenance to collection systems yearly and report what they are doing to maintain there system. This also keeps lines from backing up and causing damage to a customers property or a sewer overflow on the ground or into a possible stream. I&amp;I Rehabilitation can also be done on sewer main lines. When we talk about rehabilitation or lining we are talking about a strong durable poly spray that will not let water in or out and will last more than fifty years. This is a proven product used by many cities and in many applications. The city of Salem has done this in the past with good results. This work allows for the wastewater treatment plant to not treat unwanted storm water in rain events .</p>	
<b>Justification:</b>	
<p>I and I or (inflow) and (infiltration) are what happens when stormwater and groundwater enter a waste water system which can cause issues: to much flow into WWTF or man holes to over flow</p>	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
	\$80,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 560,000.00
						\$ -
<b>Total</b>	\$ 80,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 120,000.00	\$ 560,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>T-Hangar Construction</b>	<b>Fund:</b>	<b>301</b>
<b>Department:</b>	<b>Streets - Airport</b>	<b>Program:</b>	<b>Airport Facility Improvements</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Construction of a 6 unit T-Hangar facility at the Salem Memorial Airport. Of the 6 spaces, one would be large enough to potentially house an aviation mechanic. There is also included a storage/maintenance space in addition to the 6 hangars.	

<b>Justification:</b>	<b>Image:</b>
The City of Salem has a waiting list of pilots who would like to house lease hangar space at the Salem Memorial Airport. The funding for design and construction is 90% from NPE funds and the Bipartisan Infrastructure Legislation (BIL) funding both through MoDOT. This project has been accruing NPE grant funds for 5 years to have enough to design and build this project.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27		Total
Electric Svs Via Intercounty	\$ 5,000.00					\$ 5,000.00
301-512-71270- T-Hangar	\$ 43,117.00					\$ 43,117.00
Grants & Bonds	\$ 721,382.00					\$ 721,382.00
Total	\$ 769,499.00	\$ -	\$ -	\$ -	\$ -	\$ 769,499.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Pilot Lounge Improvements</b>	<b>Fund:</b>	<b>301</b>
<b>Department:</b>	<b>Streets - Airport</b>	<b>Program:</b>	<b>Airport Facility Improvements</b>

<b>Project or Item Description:</b>	<b>Image:</b>
With the construction of the 6 new T-hangars, there will be a new inclosed space to store the curtosity car. This frees up space the space where the car is stored now to be able to take out a wall between it and the current Pilot's Lounge giving more space and opening opportunities to enhance the experience for visiting pilots and to provide additional amentities. This includes actual work to the building and furnishings when completed.	

<b>Justification:</b>	<b>Image:</b>
The Pilot Lounge at the Airport has needed improvements for some time. These improvements are proposed to be paid for entirely out of Prior Year Balances/Reserves from the Airport Fund.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27		Total
New Electric Service via Intercounty Electric	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00
Total	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Housing Improvements</b>	<b>Fund:</b>	<b>301 Cap Improvements</b>
<b>Department:</b>	<b>Economic Development</b>	<b>Program:</b>	<b>Welcome Home</b>

<b>Project or Item Description:</b>	<b>Image:</b>
<p>Welcome Home - Affordable Housing Rehabilitation Program</p> <p>The City of Salem with support from Riverways FCU received funding through the Federal Home Loan Bank (FHLB) of Des Moines' Affordable Housing Program to rehabilitate 25 owner-occupied homes in Salem, MO. This is a pass-through grant that combined with the owner contribution, covers 100% of the cost of the program. The City is the Sponsor who administers the program and Riverways FCU is the Participating Member of FHLB in support of the program. As with most grant programs, the City incurs the upfront expense and then applies for reimbursement.</p>	

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
FHLB Grant	\$ 300,000.00	\$ 325,000.00				\$ 625,000.00
<b>Total</b>	<b>\$ 300,000.00</b>	<b>\$ 325,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 625,000.00</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Pool Media Replacement</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Replace pool media (pool filter sand) with glass media to filter pool water.	

<b>Justification:</b>	<b>Image:</b>
Pool filter media is to be changed every 8-10 years. No records of our media every being replaced. The media filters pool water and helps reduce the amount of water and chemicals we use to maintain the pool. They have a new product that has a 20+ year life that I recommend we go with. Due to the location of our filters there will have to be a access point cut into the pool deck to be able to remove and replace current media. Glass media is not subject to biodynamic instability and will not allow untreated water to pass the filter. It also substantially lowers chlorine oxidation demand by up to 50%, lowers backwash water demand by an average of 50%, and is expected to last for the life of the filtration system.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$ 25,000.00				\$ 25,000.00
						\$ -
Total	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
No annual operating cost. Projected life of glass media is 20+ years. It's replaces the use of sand that only last 8-10 years. Reducing the amount of water and chemicals we waste to clean water when we backwash the pool.

<b>Project:</b>	<b>Council Chamber Upgrades</b>	<b>Fund:</b>	
<b>Department:</b>		<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
The City Council Chambers are in need of multi-media and interior upgrades. As the official location where our Mayor and Aldermen make the decisions for the business of our City, the space should reflect a sence of stewardship and care for the community.	

<b>Justification:</b>	<b>Image:</b>
Indiviudals and Board Members who have needed to utilize online conferencing to attend meetings have often mentioned difficulty hearing the Board and speakers in addition to needing a secure way to have a computer and projector or screen permanently set up and in place for such needs. In addition the carpet in the Chamber is stained and has multiple runs in the weave of the carpet. A potential low-cost upgrade in the asthetics of the Chamber would go a long way to instilling confidence and pride in our City.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$ 10,000.00				\$ 10,000.00
						\$ -
<b>Total</b>	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Backhoe Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
X -	

<b>Justification:</b>	<b>Image:</b>
X- how old is the current backhoe, downtime for breakdowns, etc	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$ 100,000.00				\$ 100,000.00
						\$ -
Total	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 100,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
X

<b>Project:</b>	<b>Utility Bed Replacement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Construction</b>	<b>Program:</b>	

Project or Item Description:	Image:
X	

Justification:	Image:
X	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
			\$ 20,000.00			\$ 20,000.00
						\$ -
<b>Total</b>	\$ -	\$ -	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00

Estimated Ongoing Annual Operation and Maintenance (explain and include costs)
X



<b>Project:</b>	<b>Storm Drain R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>Facility R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
A culvert is a structure that channels water past an obstacle or to another waterway. Over time, these culverts can rust and deteriorate. If not replaced, there is an increased danger of road collapse and flooding. ROW acquisition for FY24 with actual construction work in FY 25	

<b>Justification:</b>	<b>Image:</b>
South Henderson: Holes are appearing in the yards of home owners because the bottoms of the culvert pipes are rusted out and gone, and water is eroding the dirt around the culverts, causing the soil to further erode and collapse.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Storm Drain R&R		\$ 45,000.00				\$ 45,000.00
						\$ -
Total	\$ -	\$ 45,000.00	\$ -	\$ -	\$ -	\$ 45,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Vehicle R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets - Cemetary</b>	<b>Program:</b>	<b>Vehicle R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Pickup Replacement	

<b>Justification:</b>	<b>Image:</b>
The current cemetery pickup is over twenty years old. The cab/mechanical components are worn out.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-Cemetary Vehicle		\$ 50,000.00				\$ 50,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Equipment Purchase</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Rotary Cutter for Skid Steer	

<b>Justification:</b>	<b>Image:</b>
There are areas that are so steep that you can’t safely use a tractor and brush hog to maintain the terrain. These areas are at numerous places, including the city airport, city landfill, and the industrial park.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Rotary Cutter for Skid			\$ 15,000.00			\$ 15,000.00
						\$ -
Total	\$ -	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>K9 Replacement</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Police</b>	<b>Program:</b>	<b>Drug Enforcement</b>

<b>Project or Item Description:</b>	<b>Image:</b>

<b>Justification:</b>	<b>Image:</b>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301-K9 Replacement		\$ 15,000.00				\$ 15,000.00
						\$ -
Total	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Equipment R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
2002 Dump Truck Replacement	

<b>Justification:</b>	<b>Image:</b>
The hour meter has not worked for some time. This truck is used year round for hauling, spreading salt and snow removal. The worn-out mechanical and cab components are no longer sufficient to keep employees warm and/or safe while working in extreme hazardous conditions. Approximately 5-6 years ago, we replaced the dump bed on it, so we have been able to limp it along to this point. However, it is now well past the point of needing to be replaced.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
301- Dump Truck Purchase				\$195,000.00		\$ 195,000.00
						\$ -
Total	\$ -	\$ -	\$ -	\$ 195,000.00	\$ -	\$ 195,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Equipment R&amp;R</b>	<b>Fund:</b>	<b>Cap Improvements - 301</b>
<b>Department:</b>	<b>Streets</b>	<b>Program:</b>	<b>R&amp;R</b>

<b>Project or Item Description:</b>	<b>Image:</b>
2000 kabota tractor	

<b>Justification:</b>	<b>Image:</b>
This tractor is used for bushing in areas where it is rough to use a mower. It is also used to mow along shoulders of the streets and roads. We use a tractor to pull the 5-foot brush hog to mow, cut, and maintain along city streets/right-of-ways. Our current tractor is old and has a tremendous amount of wear and tear on it.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00				\$50,000.00
						\$ -
Total	\$0.00	\$50,000.00	\$0.00	\$0.00	\$0.00	\$ 50,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>bucket truck</b>	<b>Fund:</b>	<b>301-02</b>
<b>Department:</b>	<b>electric</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
70 ft. bucket truck	

<b>Justification:</b>	<b>Image:</b>
This truck is used for tree trimming and work that has to be done on the city's taller poles. The truck and unit is accumulating quite a few hours and despite keeping up with the maintenance the truck is getting quite a bit of normal wear which is going to be expensive to replace different parts that wear out.if worn parts are not replaced it will be red-tagged and not be used	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00	\$50,000.00	\$50,000.00	\$ 50,000.00	\$ 200,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 200,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Taxiway Construction</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Streets - Airport</b>	<b>Program:</b>	<b>Airport Facility Improvements</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Construction of new taxiway for future 6 T-hangar construction.	

<b>Justification:</b>	<b>Image:</b>
The City of Salem has a waiting list of pilots who would like to house lease hangar space at the Salem Memorial Airport. The funding for design and construction is 90% from NPE funds andpotential additional grant funds via MoDOT. This project will have accrued NPE grant funds for multiple years to have enough to design and build this project.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27		Total
Local Match for Taxiway		\$ 62,500.00				\$ 62,500.00
Grants & Bonds		\$ 562,500.00				\$ 562,500.00
Total	\$ -	\$ 625,000.00	\$ -	\$ -	\$ -	\$ 625,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>



<b>Project:</b>	<b>T-Hangar Construction</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Streets - Airport</b>	<b>Program:</b>	<b>Airport Facility Improvements</b>

<b>Project or Item Description:</b>	<b>Image:</b>
Construction of additional 6 unit T-Hangar facility at the Salem Memorial Airport.	

<b>Justification:</b>	<b>Image:</b>
The City of Salem has a waiting list of pilots who would like to house lease hangar space at the Salem Memorial Airport. The funding for design and construction is 90% from NPE funds and the Bipartisan Infrastructure Legislation (BIL) funding both through MoDOT. This project will have accrued NPE grant funds for multiple years to have enough to design and build this project.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
Local Match 6 T-Hangars					\$ 76,500.00	\$ 76,500.00
Grants & Bonds					\$ 688,500.00	\$ 688,500.00
Total	\$ -	\$ -	\$ -	\$ -	\$ 765,000.00	\$ 765,000.00

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>electric feeder</b>	<b>Fund:</b>	<b>301-02</b>
<b>Department:</b>	<b>electric</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
electric feeder to bring into east side of town	

<b>Justification:</b>	<b>Image:</b>
The entire city is served by one substation. The industrial park is at the end of one of the city's feeders. As the load increases in the industrial park the city is not going to have the capacity to serve all of its citizens. A new feeder would eleviate those issues and allow the city to possibly gain new industries	



Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
		\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$ 200,000.00
						\$ -
Total	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 200,000.00

???

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>Pool Lights R&amp;R</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Upgrading the lights and fixtures at the Alice Lou Craig Municipal Swimming Pool.	 

<b>Justification:</b>	
Several light fixtures are unrepairable and the pool is not well lite during evening hours of pool operation. It's becoming a safety concern. There are 11 lights out, out of 36, 2 complete poles not in working order. The current fixures are not a bright light it's always very dim on the pool deck at night.	

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
						\$ -
						\$ -
<b>Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>
If we upgrade to LED lights the maintenace would be minimal and lower cost of electric use.

<b>Project:</b>	<b>Pool-Parking Lot Resurfacing</b>	<b>Fund:</b>	
<b>Department:</b>	<b>Parks and Recreation</b>	<b>Program:</b>	

<b>Project or Item Description:</b>	<b>Image:</b>
Resurfacing or fixing the pool parking lot. Either new asphalt or concrete. It was discussed at one point to do 1/3 of parking lot each year in concrete to resolve issues.	

<b>Justification:</b>	<b>Image:</b>
The pool parking lot has become a safety concern for citizen using the pool, pavilion, playground, tennis courts, and skate park. Especially the handicap parking next to the pool. The Street Department patched with gravel one year and then the next year had to come in and dig it out, fill and put an asphalt patch to help create a safer parking area for our handicap and elderly visitors. The asphalt from years past has become brittle and breaking all over the place creating large chunks to surface.	

#### Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
						\$ -
						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

<b>Project:</b>	<b>IT - Cybersecurity</b>	<b>Fund:</b>	
<b>Department:</b>		<b>Program:</b>	

<b>Project or Item Description:</b>
Working with Bryon Craig of Craig Technologies, Wes Hester and Steven Farrar with the Missouri Cybersecurity Center of Excellence (MCCoE) a non-profit that provides affordable cybersecurity services to the regional community, especially small and mid-sized organizations; to perform an assessment of the city's IT and Cybersecurity current situation and develop from this assessment a plan for addressing current and future IT and Cybersecurity needs.

<b>Justification:</b>
<p>The number of attacks targeting the government sector increased 95% worldwide in the last half of 2022 and is projected to get worse moving forward.</p> <p>Within the US, organizations are subject to a cyberattack every 39 seconds, every day, 365 days a year. As the City increases its reliance on technology, it increases its risk of being the subject of a cyberattack. Over 90% of cyberattacks originate as the result of an action taken by an organization’s employees. This can include someone unknowingly opening a malicious email, bringing an infected device or media into the office, or a disgruntled employee intentionally sabotaging the organization.</p> <p>Implementing cybersecurity best practices, ensuring proper controls are in place, and routinely performing risk assessments is the only way to reduce cybersecurity risks because the cyber landscape is constantly evolving and security breaches can be expensive.</p> <p>The most recent IBM report indicated that the average cost of a cybersecurity breach in the US was \$9.44M per incident. Within government, it could also cost lives as critical services such as 911 systems are brought down, as was evidenced by the ransomware attack against Douglas County, NE last year.</p>

Project Costs and Funding Source

Funding Source	FY 24	FY 25	FY 26	FY 27	FY 28	Total
						\$ -
						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

<b>Estimated Ongoing Annual Operation and Maintenance (explain and include costs)</b>

CITY OF SALEM

REQUEST TO BE HEARD AT A CITY COUNCIL MEETING

**NOTE:** All petitions, remonstrance, complaints and requests shall be limited to five minutes per speaker.

Request filed by:

Name: Larry & Karen Shelby

Address: 6 Red Bud Lane Salem, MO

Phone: 573-247-5467 / 573-247-5850

Date of Council meeting that you request to be heard: June 13, 2023

Check the levels of administrative people that you have discussed this request with:

Mayor

City Administrator

City Clerk

Superintendent

Other (specify): \_\_\_\_\_

We are requesting a permit to  
have our pet pigs at 6 Red Bud Lane  
Salem, Mo. as per section 205.710. They  
are mini-pigs and primarily indoor house  
broken, litter box trained pets with a fenced  
in outdoor area to enjoy the outdoors.  
The ordinance seems to refer to nuisance odor  
so as there is none, we request a permit. Thank you!

The Mayor and City Council reserves the right to defer and redirect this request to the appropriate administrative level(s).

The agenda closes and forms need to be submitted to the City Clerk's office by 5:00 p.m. on the Wednesday preceding the council meeting.

# **Staff Summary Report**

---

<b>MEETING DATE:</b>	JUNE 13,2023
<b>AGENDA ITEM:</b>	Tools
<b>AGENDA TITLE:</b>	Tools for the electric dept.

---

<b>ACTION REQUESTED BY:</b>	Public Works Director
<b>ACTION REQUESTED:</b>	Purchase tools for electric dept.
<b>SUMMARY BY:</b>	Mark Nash

---

## **PROJECT DESCRIPTION / FACTS**

These are tools that are used on a daily basis doing electrical line work

## **PROCUREMENT**

Received three bids. Bid (1) from Hall's Safety Equipment for \$5,210.00 Bid (2) from J. Harlen Co. Safety Equipment for \$5,015.73 and Bid (3) from Far West Line Specialties for \$4,738.02.

## **FISCAL IMPACTS**

There would need to be a budget adjustment. Need funds transferred out of Electric Equipment Maintenance Line Item # 501-501-46100 to Electric tools Line Item #501-501-30900. There is \$2,000.00 in tools and \$13,000.00 in the Maintenance. We would request a budget adjustment of \$2,738.02 from Electric Line Maintenance Item# 501-501-46100 to Electric Tools Line Item# 501-501-30900. Since budget line # 501-501-3900 is over budget

---

**SUPPORT DOCUMENTS:** [List all additional documents that accompany this summary]

---

**DEPARTMENT'S RECOMMENDED MOTION:** Ask the Board to accept the bid from Far West for \$4738.02 along with the proposed budget adjustment





Search Store

Home Store About Contact

Easy returns

Safe Payment

(800)-227-4255  
hallsafety@hallsafety.com

Same-day shipping

## Shop Online

### Shopping cart

Store / Shopping cart



59 items

Subtotal \$5,210.20

Shipping Free

TOTAL \$5,210.20

Have a promo coupon? Redeem your coupon

Looking for more? Continue shopping

### Checkout

Enter your email address. This address will be used to send you order status updates.

Your email address

☐ Keep me up to date on news and exclusive offers



All data is transmitted encrypted via a secure TLS connection

### Next

Delivery options

Select how you'll be receiving your order.

Payment information

Choose a payment method and enter your payment details.

Order confirmation

Place your order and receive a confirmation email.

no impact  
no crimp tool





Free Shipping on Clothes, Books and all orders over \$500


# Shopping Cart: 49 Items

Climbing Gear Line

 **Hastings Bolt Cutter 24-inch with Fiberglass Handles 924** Qty: 1 ☒ \$135.90 (USD)

 **Hastings Bolt Cutter 18-inch with Fiberglass Handle 918** Qty: 1 ☒ \$116.90 (USD)

 **Milwaukee 5-In-1 Lineman's Wrench 48-22-9216** Qty: 1 ☒ \$119.90 (USD)

 **Milwaukee Insulated 4-in-1** Qty: 1 ☒

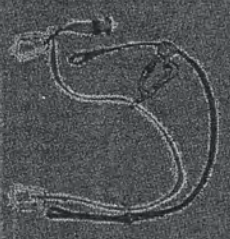
Total: \$5,015.73 (USD)

[Close](#)

[Sign-in and Checkout](#)

[Checkout as Guest](#)

J. Hastings



Buckingham 12x Squeeze With

Buckingham Super Squeeze With Distribution Wrist Strap

Buckingham 12x Squeeze With

Buckingham Squeeze

489W

Woven Nylon Straps

Hand Pro

\$977.90

\$991.90

\$119

Account Login 1/1/20

Specials, Books & Gifts

Items per page

\$17,631.90











Customer Reviews





1391 E Boone Industrial Blvd  
Columbia, MO 65202  
(718) 210-3913

YOUR CART # IS 4527904

QTY	PRODUCT NAME	SUBTOTAL
 495-48-22-6502 2	<b><u>Milwaukee High-Leverage Lineman's Pliers- 48-22-6502</u></b>	\$55.80 X
 495-48-22-6510 2	<b><u>Milwaukee 10" Straight Jaw Pliers- 48-22-6510</u></b>	\$27.80 X
 495-48-22-6501 2	<b><u>Milwaukee 8" Long Nose Pliers 48-22-6501</u></b>	\$35.80 X
 KT-63607 1	<b><u>Klein Tools ACSR Cable Cutter</u></b>  <b>WARNING</b> Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .	\$428.97 X
 HIT-22-BC18F 1	<b><u>18" Hit Fiberglass Bolt Cutter</u></b>	\$111.99 X
 HIT-22-GC24F 1	<b><u>Hit Tools 24" Guy Wire Cutters- Fiberglass Handles</u></b>	\$136.99 X
 MADI-FRWB-1 1	<b><u>Madi FlatRound Wire Brush FRWB-1</u></b>	\$47.90 X
 KT-81003 2	<b><u>Klein Tools 832-26 Lineman's Claw Milled Hammer</u></b>	\$97.98 X
 495-48-22-2859	<b><u>Milwaukee Demolition Driver</u></b>	



1

\$16.99 X



KT-85004

**Klein Tools 5/16 Inch Keystone Screwdriver**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

2

\$27.94 X



KT-85024

**Klein Tools Screwdriver (5/16" Slotted)**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

2

\$34.06 X



KT-85026

**Klein Tools 3/8Inch Keystone Tip Screwdriver**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

2

\$30.00 X



KT-85053

**Wire Eye Screw Driver Phillips 603-4B**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

2

\$21.80 X



KT-32808

**Klein Tools 32807MAG 7-In-1 Magnetic Nut Driver**

1

\$44.50 X



KT-47203

**Klein Tools 1604-20 Haven's Grip .125 - .5 Inch for Guy Strand Cable**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

6

\$737.88 X



JA-32-70-O

**Jameson Hawkbill High Carbon Steel All-Purpose Skinning Knife**

2

\$53.80 X



495-48-22-3801

**Milwaukee Composite Folding Ruler 48-22-3801**

1

\$16.90 X



KT-70212

**Klein Tools High-Tension Hacksaw**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

1

\$28.99 X



495-48-22-9216M

**Milwaukee Lineman's 5in1 Ratcheting Wrench with Milled Face**

1

\$133.97 X



495-48-22-9212

**Milwaukee Lineman's 4in1 Insulated Ratcheting Box Wrench 48-22-9212**

2

\$115.98 X





**Milwaukee 10" Adjustable Wrench- 48-22-7410**

495-48-22-7410

2

\$41.98 X



**Milwaukee 12" Adjustable Wrench- 48-22-7412**

495-48-22-7412

1

\$26.90 X



**Klein Tools D507-8 8 Inch Extra Capacity Adjustable Wrench**



WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

KT-67528

2

\$59.98 X



**Klein Tools H1802-30S Block and Tackle Spliced to Block 268 with Hook 258**



WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

KT-48028

2

\$329.98 X



**Husky 1/2" - 12 Strand Adj. Transformer Slings 24" - 50"**

AG-AGTS12-24-50R

2

\$74.32 X



**Klein Tools BAT20-7161 7/16-Inch Cordless Impact Wrench Kit**

KT-29014

1

\$433.95 X



**Milwaukee 75 lb Canvas Utility Bucket**

495-48-22-8271

1

\$50.99 X



**8' Extended Tel-O-Pole Bucket Stick HV-208**

HS-HV-208

1

\$198.99 X



**12' Extended Tel-O-Pole Bucket Stick HV-312**

HS-HV-312

1

\$244.99 X



**Bucket Cannister for Hastings HV-208 Stick**

HS-06-185

1

\$161.99 X



**Fixed Length Shotgun w/External Rod - 8'6"**

HS-8108

1

\$349.99 X





**Slingco Mechanical Crimping Tool- O and D3**

SLC-TCR7002

1

\$258.98 X



RUP-BW-251

1

\$71.99 X



495-48-22-8193

2

\$43.98 X



KT-32288

1

\$49.99 X



KT-25950

1

\$100.99 X



OWL-3810

1

\$31.99 X

Subtotal:

\$4,738.02

afterpay available for orders between \$1 - \$2,000

**Your order qualifies for FREE shipping**

\$0

\$75

**Checkout**

**Save Cart** allows you to save now and come back (complete, revise, return, edit) later.

**Continue to checkout** Either make a payment now or save your cart (with shipping info) with the option to email it to anyone in your company.

**Save Cart** **Continue to checkout**

**Send to My Gear Expert** allows you to turn this cart into a quote to send on to your Gear Expert for review. Simply choose from an existing ship-to address (you can change this later!) and hit send.

**Continue to checkout** Either make a payment now or save your cart as a quote (with shipping info).

Use Existing Address

**Send to my Gear Expert**

**Continue to checkout**





# **Staff Summary Report**

---

<b>MEETING DATE:</b>	JUNE 13,2023
<b>AGENDA ITEM:</b>	FIRE HYDRANTS
<b>AGENDA TITLE:</b>	FIRE HYDRANT PROPOSAL

---

<b>ACTION REQUESTED BY:</b>	Public Works Director
<b>ACTION REQUESTED:</b>	Purchase new fire hydrants
<b>SUMMARY BY:</b>	Mark Nash

---

## **PROJECT DESCRIPTION / FACTS**

Replace fire hydrants that parts are no longer available. These are some of the hydrants that are not sealing properly.

## **PROCUREMENT**

Received three bids for fire hydrants. Bid(1) Core and Main for \$15,663.25. Bid (2) Schulte Supply for \$16,159.45. Bid (3) Consolidated Pipe for \$16,213.60

## **FISCAL IMPACTS**

This amount would come out of the Water Equipment Maintenance. The line item # is 510-501-46100 and there is \$20,900 dollars left in this account.

---

**SUPPORT DOCUMENTS:** [List all additional documents that accompany this summary]

---

**DEPARTMENT'S RECOMMENDED MOTION:** Ask the Board to accept the bid from Core and Main for \$15.633.25

---

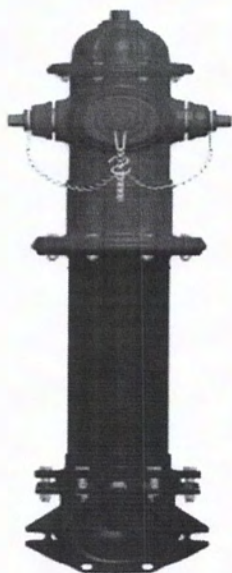


Bids for new fire Hydrants.

Core and Main = \$15,663.25

Schulte Supply = \$16,159.45

Consolidated Pipe = \$16,213.60



We suggest the bid from Core and Main





# Bid Proposal for SALEM HYDRANTS

CUSTOMER

**CITY OF SALEM**

1201 SOUTH WINES  
SALEM, MO 65560

**Job**

SALEM HYDRANTS  
Bid Date: 04/26/2023  
Bid #: 2883105

CONTACT

**Sales Representative**

Chris Harper  
(M) 816-896-3880  
(T) 816-229-9604  
(F) 816-229-9607  
Chris.Harper@coreandmain.com

**Core & Main**

2500 NW South Outer Rd  
Blue Springs, MO 64015  
(T) 816-229-9604

NOTES





## Bid Proposal for SALEM HYDRANTS

CITY OF SALEM

Bid Date: 04/26/2023

Core & Main 2883105

Core & Main

2500 NW South Outer Rd

Blue Springs, MO 64015

Phone: 816-229-9604

Fax: 816-229-9607

Seq#	Qty	Description	Units	Price	Ext Price
		DUE TO CURRENT SUPPLY CHAIN DISRUPTIONS, MATERIALS ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS.			
10	5	A423 5-1/4VO HYD 3'6"B 6MJ NST 3'6"BURY,6"MJ SHOE,3- WAY,O/L	EA	3,132.65	15,663.25
				<b>Sub Total</b>	<b>15,663.25</b>
				<b>Tax</b>	<b>0.00</b>
				<b>Total</b>	<b>15,663.25</b>

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT: <https://coreandmain.com/TandC/>

Schulte Supply, Inc.  
 5998 Redbud Lane  
 PO Box 388  
 Edwardsville IL 62025  
 618-656-8383 Fax 618-656-8750

# Quotation

QUOTE DATE	QUOTE NUMBER
04/20/23	S1199429
ORDER TO: Schulte Supply, Inc. 5998 Redbud Lane PO Box 388 Edwardsville IL 62025	PAGE NO.  1

QUOTE TO: 573-729-3061 Fax 573-729-5371  
 City of Salem, MO  
 400 North Iron Street  
 Salem, MO 65560

SHIP TO:  
 City of Salem, MO  
 Donnie Moore  
 1203 South Wines  
 Salem, MO 65560

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	RELEASE NUMBER	SALESPERSON	
5698	QUOTE		Tom Brickey	
WRITER	SHIP VIA	TERMS	BID DATE	FREIGHT ALLOWED
Jeff Kinkel	FREE DELIVERY	NET 30 DAYS	05/18/23	Yes
ORDER QTY	PART NO	DESCRIPTION	Net Pric	Ext Pric
5ea	21560	A423-35 5 1/4 MUELLER 3WAY 3.5' 6" MJ SHOE TAXES NOT INCLUDED	3231.890	16159.45
			<b>Subtotal</b>	<b>16159.45</b>
			<b>S&amp;H CHGS</b>	<b>0.00</b>
			<b>Amount Due</b>	<b>16159.45</b>

This is a Quotation.

Prices are subject to change without notice.  
 Applicable taxes extra.





Date	April 21, 2023
Valid Until	May 5, 2023
Quote #	MH421
r Account #	

Salem, MO

## Hydrant

**Item Total:**

Subtotal	\$	
Taxable		NO
Sales Tax Rate	%	0.00
Sales Tax	\$	-
eight (if applicable)	\$	
ount (if applicable)	%	0.00
<b>Total</b>	<b>\$</b>	<b>16,213.60</b>

We reserve the right to requote if quantities change.

Consolidated Pipe and Supply

801 Marshall Road  
Valley Park Mo

# **Staff Summary Report**

---

<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	New Business
<b>AGENDA TITLE:</b>	Submit ARPA Grant 21-066A-2 Application

---

<b>ACTION REQUESTED BY:</b>	City Administrator
<b>ACTION REQUESTED:</b>	Approval to Submit ARPA Grant 21-066A-2 Application through MODOt for Reimbursement of Airport Expenditures
<b>SUMMARY BY:</b>	Sally Burbridge

---

## **PROJECT DESCRIPTION / FACTS**

The Federal Government has made grant funds available through three programs for the reimbursement of operation and maintenance expenditures specifically related to airports. Working with Lochner, the City's Airport Engineering firm, staff previously submitted receipts for expenses at the airport since the onset of COVID and the following expenses have been determined to be reimbursable through the 3 programs:

- CARES Grant 20-066A-1 (application submitted in 2020)
  - \$20,000
  - Grant has been executed and is ready for reimbursement request(s)
- CRRSSA Grant 21-066A-1 (application submitted May 2021)
  - \$9,000
  - Grant has been executed and is ready for reimbursement request(s)
- ARPA Grant 21-066A-2
  - \$22,000
  - Grant has not been executed yet

Lochner will be working with us through the summer to get all required documentation together and submit for these reimbursements. To date, no reimbursements have been requested.

## **PROCUREMENT**

N/A

## **FISCAL IMPACTS**

All in all, the City has \$51,000 that we are eligible to apply for from MoDOT via the three grants listed above. This will result in additional revenue to the Airport Fund for the FY 2024 budget.

---

<b>SUPPORT DOCUMENTS:</b>	ARPA Grant 21-066A-2 Application form
---------------------------	---------------------------------------

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<b>DEPARTMENT'S RECOMMENDED MOTION:</b>	Move to approve the Mayor's Signature and submittal of the ARPA Grant 21-066A-2 Application for reimbursement of Airport Operation and Maintenance funds.
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**Aviation Section****APPLICATION FOR FEDERAL/STATE ASSISTANCE**

Airport Name:

<b>1. TYPE OF SUBMISSION</b> <i>Application</i> <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction <i>Funding Type Requested</i> <input checked="" type="checkbox"/> Federal (Block Grant – ARPA Funds) 100% <input type="checkbox"/> State (Trust Fund – 90% Funds) <input type="checkbox"/> Federal & State		<b>2. DATE SUBMITTED</b>	
		<b>3. DATE RECEIVED BY STATE</b>	
		<b>ASM Input Date (Internal use only):</b>	
<b>4. APPLICANT INFORMATION</b>			
Sponsor's Name:		<b>Organizational Unit:</b>	
		Department:	
		Division:	
Address:		Name and telephone of person to be contacted on matters involving this application (give area code):	
Street:		Prefix:	First Name:
City:		Middle Name:	
County:		Last Name:	
State:	Zip Code:	Suffix:	
Country: United States		Email:	
<b>5. TYPE OF APPLICATION</b> <input type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, check appropriate type: <input type="checkbox"/> Increase Award <input type="checkbox"/> Decrease Award <input type="checkbox"/> Increase Duration <input type="checkbox"/> Decrease Duration		Phone Number (give area code) (573)729 - 2428	Fax Number (give area code) ( ) -
		<b>6. TYPE OF APPLICANT</b> <input type="checkbox"/> Municipal <input type="checkbox"/> County Other (Specify)	
<b>7. DESCRIPTIVE TITLE OF SPONSOR'S PROJECT (brief description):</b>			
<b>8. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.):</b>			
<b>9. MoDOT TRANSPORTATION DISTRICT:</b>			
<b>10. NUMBER OF BASED AIRCRAFT:</b> SE: 8 ME: 1 Jet: 0 Helicopter: 1 Glider: 0 Military: 0 Ultralight: 0			
<b>11. NUMBER OF ANNUAL OPERATIONS</b> (an operation is a takeoff or a landing):			
<b>12. PROPOSED PROJECT TIMELINE</b> Start Date: 06/09/2023 Ending Date: 12/31/2023		<b>13. STATE &amp; FEDERAL CONGRESSIONAL DISTRICTS OF</b> a. Sponsor State: 120 Federal: 8 b. Project Location State: 120 Federal: 8	
<b>14. ESTIMATED FUNDING:</b> ARPA FEDERAL FUNDING (100%) <del>FEDERAL FUNDING (95%)</del>		<b>15. ESTIMATED FUNDING:</b> STATE FUNDING (90%)	
a. Federal	\$ 22,000.00	a. State	\$ .00
b. Local	\$ 0.00	b. Local	\$ .00
c. Other	\$ 0.00	c. Other	\$ .00
d. TOTAL	\$ 0.00	d. TOTAL	\$ .00
e. TOTAL (combined funding)		\$22,000.00	
<b>16. IS THE APPLICANT DELINQUENT ON ANY STATE/FEDERAL DEBT?</b> <input type="checkbox"/> Yes, If "Yes", attach an explanation <input type="checkbox"/> No			
<b>17. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.</b>			
a. Authorized Representative			
Prefix	First Name:	Middle Name:	
Last Name:		Suffix:	
b. Title:		c. Telephone:	
d. Signature of Authorized Representative:		e. Date Signed:	



# **Staff Summary Report**

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<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	New and Miscellaneous Business
<b>ANGENDA TITLE:</b>	Planning and Zoning-Conditional Use Permit-Vacation Rental

---

---

<b>ACTION REQUESTED BY:</b>	Jordan and Sarah Watson
<b>ACTION REQUESTED:</b>	Conditional Use – Vacation Rental
<b>SUMMARY BY:</b>	Jarred Brown, Building Inspector

---

## **PROJECT DESCRIPTION / FACTS**

On May 25, the Planning and Zoning Commission held a public hearing to discuss a Conditional Use Permit for the use of the property located at 305 W. Second St. as a Vacation Rental. Prior to that meeting, I met with the owner to inspect the property. The property meets all of the conditions outlined for Vacation Rentals in the City of Salem. The Planning and Zoning Commission voted unanimously to recommend the Conditional Use for approval.

## **DEPARTMENT'S RECOMMENDED MOTION:**

Move to approve the Conditional Use of 305 W. Second, owned by Jordan and Sarah Watson, as a Vacation Rental.

# **Staff Summary Report**

---

<b>MEETING DATE:</b>	June 12, 2023
<b>AGENDA ITEM:</b>	New and Miscellaneous
<b>ANGENDA TITLE:</b>	Rezone 502 W. Dillon from Residential to Commercial

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<b>ACTION REQUESTED BY:</b>	Four Rivers Community Health Center
<b>ACTION REQUESTED:</b>	Rezone 502 W. Dillon from Residential to Commercial
<b>SUMMARY BY:</b>	Jarred Brown, Building Inspector

---

## **PROJECT DESCRIPTION / FACTS**

On June 13, 2023, the Planning and Zoning Commission held a public hearing to discuss rezoning of the property located at 502 W. Dillon, described as “all of lot 4 Block A of Oak Park Addition”, from Residential to Commercial.

The current location of the Four Rivers Community Health Center is zoned Commercial. Four Rivers also owns the lot adjoining and to the south of their building which is currently being utilized as a parking lot and is zoned Residential. They are requesting to rezone the adjoining lot to Commercial to allow for future expansion of the facility and parking area.

The Planning and Zoning Commission voted to recommend the zoning change.

### **DEPARTMENT’S RECOMMENDED MOTION:**

Move to rezone all of Lot 4 Block A of the Oak Park Addition from Residential to Commercial.

# **Staff Summary Report**

<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	New and Miscellaneous Business
<b>ANGENDA TITLE:</b>	Conditional Use Permit-Auto Detail Shop-906 W. Center
<b>ACTION REQUESTED BY:</b>	Joe Enloe
<b>ACTION REQUESTED:</b>	Conditional Use of 906 W. Center for Automobile Detail Shop
<b>SUMMARY BY:</b>	Jarred Brown, Building Inspector

## **PROJECT DESCRIPTION / FACTS**

On May 25, 2023, the Planning and Zoning Commission held a public hearing for the original request to rezone the property at 906 W. Center from residential to commercial.

Zoning the property Commercial would not be consistent with the surrounding zoning.

The Planning and Zoning Commission voted to recommend a Conditional Use for the property located at 906 E. Center for an automotive detail shop owned and operated by Joe Enloe under the following conditions:

- No commercial activity to take place between the hours of Midnight and 6am.
- There will be no more than 3 vehicles parked outside of the building for longer than 24 hours at a time.
- A sign identifying the business will be allowed to be attached to the building and will be limited in size to no larger than 4ft. by 8ft.
- The Conditional Use is specifically for an automotive detail shop to be owned and operated by Joe Enloe and will be non-transferable.
- The Conditional Use will expire 2 years from the date of approval. At the end of the 2 year period Mr. Enloe can request that the Conditional Use be reviewed by the Planning and Zoning Commission for renewal by the Board of Aldermen.

## **DEPARTMENT'S RECOMMENDED MOTION:**

Move to approve the Conditional Use for the property located at 906 E. Center for an automotive detail shop owned and operated by Joe Enloe under the following conditions:

- No commercial activity to take place between the hours of Midnight and 6am.
- There will be no more than 3 vehicles parked outside of the building for longer than 24 hours at a time.
- A sign identifying the business will be allowed to be attached to the building and will be limited in size to no larger than 4ft. by 8ft.
- The Conditional Use is specifically for an automotive detail shop to be owned and operated by Joe Enloe and will be non-transferable.
- The Conditional Use will expire 2 years from the date of approval. At the end of the 2 year period Mr. Enloe can request that the Conditional Use be reviewed by the Planning and Zoning Commission for renewal by the Board of Aldermen.
- Business License will be revoked if the above conditions are not maintained.

# **Staff Summary Report**

<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	New and Business Miscellaneous
<b>ANGENDA TITLE:</b>	Conditional Use Permit-Equipment Sales-1002 E. Scenic Rivers Blvd.
<b>ACTION REQUESTED BY:</b>	C&A Investments, LLC
<b>ACTION REQUESTED:</b>	Conditional Use – Equipment Sales 1002 E. Scenic Rivers Blvd.
<b>SUMMARY BY:</b>	Jarred Brown, Building Inspector

## **PROJECT DESCRIPTION / FACTS**

On May 25, 2023, the Planning and Zoning Commision held a public hearing to discuss the Conditional Use of the property located at 1002 E. Scenic Rivers, for vehicle, trailer, and agricultural and construction equipment sales.

Under Chapter 405 – Zoning Regulations of the City of Salem Code, truck and trailer sales are listed as a conditional use in Commercial districts, while agricultural and construction equipment sales are only allowed in Manufacturing/Industrial districts.

Commercial districts, as defined by our current code, are limited to retail shops, banks, and other professional services most often found in downtown districts. While these limitations are appropriate for downtown, they restrict the ability to develop properties along the highway for modern commercial uses. Currently in the City of Salem Code, there are no other zoning designations to address these types of uses, except Industrial/Manufacturing districts.

This property is located along Scenic Rivers Blvd. (MO Highway 32/72) and is currently zoned Commercial. Rezoning this property to Industrial/Manufacturing to allow this type of use would permit other, much more intese, uses of the property that would likely create a negative impact on the surrounding area.

The Planning and Zoning Commission voted to recommend the approval of the proposed use of the property as a Conditional Use, under the condition that the owner install a visual barrier (as described in Section 405.290) between this property and the residential property(s) lying adjacent to it.

## **DEPARTMENT'S RECOMMENDED MOTION:**

Move to grant the Conditional Use to C&A Investments, LLC for the the property located at 1002 E. Scenic Rivers Blvd. for vehicle, trailer, and agricultural and construction equipment sales under the condition that a 6 ft. privacy fence be installed as visual barrier between this property and the adjoining residential property(s).

# **Staff Summary Report**

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<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	New and Miscellaneous Business
<b>ANGENDA TITLE:</b>	Subdivision Plat Approval-1000 S. Main

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<b>ACTION REQUESTED BY:</b>	Briceno Properties LLC.
<b>ACTION REQUESTED:</b>	Subdivision Plat Approval
<b>SUMMARY BY:</b>	Jarred Brown, Building Inspector

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## **PROJECT DESCRIPTION / FACTS**

On May 25, 2023, the Planning and Zoning Commission held a public hearing to discuss the subdivision and replatting of lots owned by Briceno Properties LLC., and located at 1000 S. Main.

The Commission voted to recommend the new subdivision plat for approval.

### **DEPARTMENT'S RECOMMENDED MOTION:**

Move to approve the plat and subdivision of 1000 S. Main as described in the supporting documents.

# **Staff Summary Report**

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<b>MEETING DATE:</b>	JUNE 13,2023
<b>AGENDA ITEM:</b>	Al Brown Field Lighting
<b>AGENDA TITLE:</b>	Electric materials for Al Brown Field Lighting

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<b>ACTION REQUESTED BY:</b>	Public Works Director
<b>ACTION REQUESTED:</b>	Purchase electric material for Al Brown Field Lighting
<b>SUMMARY BY:</b>	Mark Nash

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## **PROJECT DESCRIPTION / FACTS**

This is the wiring material and the load center needed to complete the new lighting project at the Al Brown Ball Fields.

## **PROCUREMENT**

Received one bid for a load center and wiring material from Fletcher-Reinhardt. The load center bid is \$4556.00 and the electric wiring package is \$17,315.57

## **FISCAL IMPACTS**

This amount would be a loan through Flagstar Bank in New York. It is an escrow account through the Energy Efficiency Upgrade

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**SUPPORT DOCUMENTS:** [List all additional documents that accompany this summary]

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**DEPARTMENT'S RECOMMENDED MOTION:** Ask the Board to accept the bid from Fletcher-Reinhardt for the total of \$21,871.57

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**Fletcher-Reinhardt Company**

Wholesale Distributors of Electric Utility and Industrial Equipment

FLETCHER-REINHARDT CO.  
3105 CORPORATE EXCHANGE COURT  
BRIDGETON, MO 63044  
314-506-0700  
Fax 314-506-0705

**Quotation**

QUOTE DATE	QUOTE NUMBER
05/25/2023	S1288272
FLETCHER-REINHARDT CO. 3105 CORPORATE EXCHANGE COURT BRIDGETON, MO 63044 314-506-0700 Fax 314-506-0705	PAGE NO.
	1 of 1

QUOTE TO:  
SALEM ELECTRIC DEPT  
400 NORTH IRON  
SALEM, MO 65560

SHIP TO:  
SALEM, CITY OF  
WAREHOUSE - ELECTRICAL  
1201 S. WINES STREET  
SALEM, MO 65560

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
4368	LOAD CENTER - EATON		Josh McGill	
WRITER	SHIP VIA	TERMS	EXPIRE DATE	FREIGHT ALLOWED
Jay Turner	DIRECT	Net 30 Days	06/25/2023	Yes
ORDER QTY	DESCRIPTION		UNIT PRICE	COMMENTS
1ea	^P2D400BT42CH3R 42 Circuits, 400A, Fully Rated, 480Y/277V 3Ph 4W, Copper Bus, 14kAIC, 400A, 3P KD Main Breaker[Top Fed], Surface Mounted CONSISTING OF: 1 - 400A, 3P KD Main Breaker 2 - 50A, 2P GHB Branch Breaker 9 - 30A, 2P GHB Branch Breaker 20 - 1P GHQ Branch Provision Only 1 - Copper Main Bus, 400 Amps 1 - Std. Bolted Cu Ground Bar (Cu Cable Only) 1 - Panel Nameplate - White with Black Letters 1 - LWPQ2060 Box, Made in America 1 - Complete Assembly 1 - Type 3R Enclosure: LWPQ2060		4556.000/ea	

TERMS: NET 30 DAYS with payment via Check or ACH.  
F.O.B. Point of Shipment, Freight Allowed unless otherwise stated.  
This Quotation, including prices & lead-time, is subject to change in  
the event of delays and adverse impacts that may be caused by forces  
beyond Fletcher-Reinhardt Company's (FR) control. FR's Standard  
Terms and Conditions of Sale dated January 1, 2000 apply to any  
purchase from FR.  
We appreciate your business.

Subtotal	4556.00
S&H Charges	0.00
Tax	0.00
Amount Due	4556.00

**Fletcher-Reinhardt Company**

Wholesale Distributors of Electric Utility and Industrial Equipment

FLETCHER-REINHARDT CO.  
3105 CORPORATE EXCHANGE COURT  
BRIDGETON, MO 63044  
314-506-0700  
Fax 314-506-0705

**Quotation**

QUOTE DATE	QUOTE NUMBER
05/19/2023	S1301048
FLETCHER-REINHARDT CO. 3105 CORPORATE EXCHANGE COURT BRIDGETON, MO 63044 314-506-0700 Fax 314-506-0705	
PAGE NO.	
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SALEM ELECTRIC DEPT  
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SALEM, MO 65560

SHIP TO:  
SALEM, CITY OF  
WAREHOUSE - ELECTRICAL  
1201 S. WINES STREET  
SALEM, MO 65560

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON	
4368	list			Josh McGill	
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT ALLOWED
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023	Yes
ORDER QTY	DESCRIPTION		UNIT PRICE		COMMENTS
20ft	2GRC10 CONDUIT, 2" GALVANIZED RIGID STEEL 10-FOOT LENGTH (BLUE TIP) WITH COUPLING		18.285/ft		FR STOCK
50ft	^Strut Channel, 1-5/8" W, 5 ft. Lengths, Silver, Gauge: 12		46.000/ft		1-2 WEEKS
25ea	^23-52-247 BOLT, MACH HEX HEAD 3/8" 16TPI 1"L GALV ASTM A153 W/H NUT		5.000/ea		1-2 WEEKS
25ea	^RP1008EG STRUT SPRING NUT 3/8" UNISTRUT		16.000/ea		1-2 WEEKS
12ea	615883   6258G13 GROUND ROD- 5/8" X 8' CU CLAD STEEL REA 13 MIL SPEC (6258G13) (C615883)		24.580/ea		FR STOCK
12ea	CP58 CLAMP, GROUND ROD, BRONZE, 5/8 REA APPROVED W/HEX HEAD (G5) *DS*		2.600/ea		FR STOCK
** Continued on Next Page *			Subtotal		
			S&H Charges		
			Tax		
			Amount Due		

**Fletcher-Reinhardt Company**

Wholesale Distributors of Electric Utility and Industrial Equipment

FLETCHER-REINHARDT CO.  
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05/19/2023	S1301048
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SALEM, MO 65560

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON	
4368	list			Josh McGill	
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT ALLOWED
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023	Yes
ORDER QTY	DESCRIPTION			UNIT PRICE	COMMENTS
25lb	#4 SOL SD BARE CU COPPER, SOLID SOFT DRAWN BARE 25# SPOOLS (200FT/25#SP) 126.3 LBS/MFT **25# MIN**			6.200/lb	FR STOCK
2ea	G5   TNB CLAMP- GROUND ROD, 5/8" HEX HEAD BOLT, CU CABLE RANGE: #10 SOL TO #2 STR, REA APPROVED TNB/BLACKBURN (50/CTN) *DS*			2.670/ea	FR STOCK
2ea	E958J CAP- PVC END, 2", SCH40/80 NON-THREADED (GLUE ON) TYPE, ABB/CARLON (25/CTN)			3.600/ea	FR STOCK
12ea	^22FP72 Strut Pipe Clamp, 2 In, Galvanized Steel ZORO SELECT			2.870/ea	2-3 WEEKS
** Continued on Next Page *				Subtotal	
				S&H Charges	
				Tax	
				Amount Due	



**Fletcher-Reinhardt Company**

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FLETCHER-REINHARDT CO.  
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**Quotation**

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FLETCHER-REINHARDT CO. 3105 CORPORATE EXCHANGE COURT BRIDGETON, MO 63044 314-506-0700 Fax 314-506-0705	PAGE NO.
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SALEM, MO 65560

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON	
4368	list			Josh McGill	
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT ALLOWED
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023	Yes
ORDER QTY	DESCRIPTION			UNIT PRICE	COMMENTS
25ea	^V800NEOCPW Superstrut Channel Safety End Cap, White, PK25, Width: 1 5/8 in Item: End Caps Color: White Finish: Painted Material: neoprene Depth: 1 1/4 in For Use With: 1 5/8 in Strut Channels Width: 1 5/8 in ZORO SELECT ***MUST PURCHASE A PACK OF 25***			4.100/ea	2-3 WEEKS
12ea				0.680/ea	FR STOCK
12ea				0.620/ea	FR STOCK
25ea				0.450/ea	2-3 WEEKS
** Continued on Next Page *				Subtotal	
				S&H Charges	
				Tax	
				Amount Due	

**Fletcher-Reinhardt Company**

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PAGE NO.	
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SHIP TO:  
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SALEM, MO 65560

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
4368	list		Josh McGill	
WRITER		SHIP VIA	TERMS	EXP. DATE
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023
ORDER QTY	DESCRIPTION	UNIT PRICE	COMMENTS	
20ft	49012-010 CONDUIT, PVC, SCH40, 2-1/2" X 10' WITH ONE BELLED END (930'/LIFT) (51251) 212PVC	4.000/ft	FR STOCK	
6ea	E943K ADAPTER, CONDUIT 2-1/2" THRD MALE PVC	2.130/ea	FR STOCK	
6ea	L700 NUT, CONDUIT STEEL LOCKING 2-1/2" (50/BX)	1.980/ea	FR STOCK	
6ea	PB700D BUSHING, CONDUIT PLASTIC 2-1/2"	1.500/ea	FR STOCK	
100ft	3/0-7STR SD BARE CU PER FT COPPER, SOFT DRAWN 7 STRANDED BARE	3.350/ft	2-3 WEEKS	
3200ft	49010-010 CONDUIT- PVC, SCH40, 1-1/2" X 10' WITH ONE BELLED END, COLOR: GRAY (51151) 112PVC (2250'/LIFT) PRIME CONDUIT	2.150/ft	2-3 WEEKS	
22ea	UA9DHB BEND, CONDUIT PLASTIC w/BELLED END 1-1/2" X 90 DEG 24" RADIUS	11.200/ea	FR STOCK	
** Continued on Next Page *		Subtotal S&H Charges Tax		
		Amount Due		



**Fletcher-Reinhardt Company**

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3105 CORPORATE EXCHANGE COURT  
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314-506-0700  
Fax 314-506-0705

**Quotation**

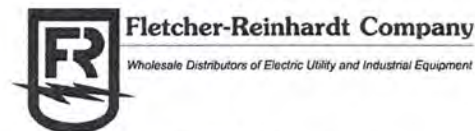
QUOTE DATE	QUOTE NUMBER
05/19/2023	S1301048
FLETCHER-REINHARDT CO. 3105 CORPORATE EXCHANGE COURT BRIDGETON, MO 63044 314-506-0700 Fax 314-506-0705	PAGE NO.
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CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
4368	list		Josh McGill		
WRITER		SHIP VIA	TERMS	EXPIRE DATE	FREIGHT ALLOWED
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023	Yes
ORDER QTY	DESCRIPTION		UNIT PRICE		COMMENTS
10ea	E940H COUPLING- PVC 1-1/2" SCH 40 STD TYPE, GRAY ABB/CARLON (25/CTN)		0.650/ea		FR STOCK
1ea	E940K COUPLING- PVC, 2-1/2", SCHEDULE 40 GRAY, TNB/CARLON (20/CTN)		1.570/ea		FR STOCK
3500ft	8 STR CU THHN RED 500' WIRE **STRANDED THHN 500'REEL 600V 8 GUAGE CU RED (500')		0.500/ft		2-3 WEEKS
3500ft	8 STR CU THHN BLACK 500' WIRE **STRANDED THHN 500'REEL 600V 8 GUAGE CU BLACK (500')		0.500/ft		2-3 WEEKS
3500ft	8 STR CU THHN GREEN 500' WIRE **STRANDED THHN 500'REEL 600V 8 GAUGE CU GREEN (500')		0.500/ft		2-3 WEEKS
2qt	VC-9982 CEMENT, QUART, PVC, QUICK SET, CLEAR, CAN WITH DAUBER APPLICATOR, WINTER GRADE (12/BX-480/PLT) *DS* ABB/CARLON		16.400/qt		FR STOCK
** Continued on Next Page *			Subtotal		
			S&H Charges		
			Tax		
			Amount Due		





FLETCHER-REINHARDT CO.  
3105 CORPORATE EXCHANGE COURT  
BRIDGETON, MO 63044  
314-506-0700  
Fax 314-506-0705



## Quotation

QUOTE DATE	QUOTE NUMBER
05/19/2023	S1301048
FLETCHER-REINHARDT CO. 3105 CORPORATE EXCHANGE COURT BRIDGETON, MO 63044 314-506-0700 Fax 314-506-0705	PAGE NO.
	6 of 6

QUOTE TO:  
SALEM ELECTRIC DEPT  
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SALEM, CITY OF  
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CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
4368	list		Josh McGill	
WRITER		SHIP VIA	TERMS	EXPIRE DATE
Bryan Kennedy		F-R WEDNESDAY-1	Net 30 Days	06/18/2023
ORDER QTY	DESCRIPTION		UNIT PRICE	COMMENTS
12ea	VC9902 PRIMER, PVC CONDUIT PRIMER, CLEAR, SOFTENS PVC CONDUIT, PREPARES PLASTIC PIPE AND FITTING SURFACES FOR BONDING, ONE QUART SIZE (12/BX) *****12 can min (per box( MOQ)*****		19.600/ea	2-3 WEEKS
1ea	20000077 TAPE, MULE, PULLING 3/4"X3000' WOVEN POLY 2500# STR ON REEL (36/SKID) (OLD #WP2500-3000FT)		180.000/ea	FR STOCK
1ea	^31-344 Pull Line 500Lb X 2200 Ft IDEAL		131.000/ea	3-4 WEEKS
5ea	J35 LUBE, WIRE PULLING POLYWATER "J" IN 1 QUART BOTTLE (24 BT/CASE)		11.050/ea	FR STOCK
1ea	SHIPPING MEMO		0.000/ea	

TERMS: NET 30 DAYS with payment via Check or ACH.  
F.O.B. Point of Shipment, Freight Allowed unless otherwise stated.  
This Quotation, including prices & lead-time, is subject to change in  
the event of delays and adverse impacts that may be caused by forces  
beyond Fletcher-Reinhardt Company's (FR) control. FR's Standard  
Terms and Conditions of Sale dated January 1, 2000 apply to any  
purchase from FR.  
We appreciate your business.

Subtotal	17315.57
S&H Charges	0.00
Tax	0.00
Amount Due	17315.57

# **Staff Summary Report**

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**MEETING DATE:** 06/12/2023

**AGENDA ITEM:**

**AGENDA TITLE:**

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**ACTION REQUESTED BY:** Stacey Houston

**ACTION REQUESTED:** Approve Mayor Parker to sign the attached Financial Assistance Agreement and the General Terms and Conditions documents for the ARPA Drinking Water Grant Award

**SUMMARY BY:** Stacey Houston

---

## **PROJECT DESCRIPTION / FACTS**

The City received a \$3,730,000 grant towards the project to install a new well and well house and construction of a new water tower.

DNR has approved the Engineering portion of the contract and all the required forms have been submitted.

We have been granted a partial amount of our grant award; this partial grant award is for the value of the engineering contract. Once the Financial Assistance Agreement and the General Terms and Conditions documents are signed by the mayor and DNR, then the City will be able to submit expense reimbursement requests for the engineering expenses.

Once the bidding process is complete, the partial award will be amended to include funds for the construction costs.

## **PROCUREMENT**

## **FISCAL IMPACTS**

The partial grant award amount is \$628,000 to go towards approved engineering costs. The City's 1% match will be \$6,342.80.

\$6,343 will be budgeted in 2023-24 fiscal year to cover our 1% match of the grant.  
(GL# 512-501-70393)

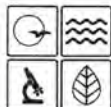
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**SUPPORT DOCUMENTS:** Financial Assistance Agreement and the General Terms & Conditions document.

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**DEPARTMENT'S RECOMMENDED MOTION:** Approve Mayor Parker to sign the attached Financial Assistance Agreement and the General Terms and Conditions documents.

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## MISSOURI DEPARTMENT OF NATURAL RESOURCES

## FINANCIAL ASSISTANCE AGREEMENT

Assistance as described herein is hereby offered and accepted effective upon signature of authorized officials for the dates indicated in Budget Period and Project Period below.

<b>RECIPIENT INFORMATION</b>			
RECIPIENT NAME City of Salem		RECIPIENT TELEPHONE NUMBER WITH AREA CODE (573) 729 5211	
ADDRESS 400 North Iron Street		CITY Salem	STATE MO
UNIQUE ENTITY ID K7HGNKN8717	AWARD NUMBER A019706EBE80	BUDGET PERIOD 06-01-2023 to 5-31-2025	PROJECT PERIOD 6-01-2023 to 5-31-2025
RECIPIENT PROJECT MANAGER NAME Stacey Houston		RECIPIENT PROJECT EMAIL ADDRESS finance@salemmo.com	PROJECT MANAGER TELEPHONE NUMBER WITH AREA CODE (573) 729 5211

<b>PROJECT INFORMATION</b>			
RECIPIENT PROJECT TITLE AND PROJECT DESCRIPTION (ATTACH ADDITIONAL PAGES AS NECESSARY)			
Drinking Water Improvements Project - Partial Award The project involves installation of a new well and well house and construction of a new water tower.			
TYPE OF ASSISTANCE New Award <input checked="" type="checkbox"/> Amendment <input type="checkbox"/>		SOURCE OF FUNDING Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/>	CFDA NUMBER 21.027
		CFDA NAME Coronavirus State and Local Fiscal Recovery Funds	
STATE PROJECT MANAGER NAME Maria Dorsey		STATE PROJECT MANAGER TELEPHONE NUMBER WITH AREA CODE (573) 522- 2395	INDIRECT COST RATE FOR RECIPIENT 0%
RESEARCH AND DEVELOPMENT YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		RESEARCH AND DEVELOPMENT COMMENTS IF NEEDED	

PROJECT FUNDING	Original Amount	Original Percentage	Amended Amount	Amended Percentage	Total Amount	Total Percentage
Federal Award:	\$ 621,657.20	98.99 %	\$	%	\$ 621,657.20	98.99 %
State/Other Award:	\$	%	\$	%	\$ 0.00	%
Recipient Match:	\$ 6,342.80	1.01 %	\$	%	\$ 6,342.80	1.01 %
Total Award:	\$ 628,000.00	100.00 %	\$ 0	0.00 %	\$ 628,000.00	100.00 %

<b>AGREEMENT ADMINISTRATION</b>					
THE ATTACHMENTS IDENTIFIED BELOW ARE INCORPORATED BY REFERENCE AS THOUGH FULLY RESTATED HEREIN. THE RECIPIENT AGREES TO ADMINISTER THIS AGREEMENT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND STATE LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO:					
APPLICABLE PROGRAM GUIDELINES *See Federal Award Information Section		APPLICATION NUMBER A019706EBE80		RECIPIENT APPLICATION, AS NEGOTIATED, DATED 7/14/2022	
BUDGET PLAN Attachment #	DETAILED SCOPE OF WORK Attachment #	SPECIAL CONDITIONS Attachment # 2	GENERAL TERMS AND CONDITIONS Attachment # 1	SUSPENSION/DEBARMENT Attachment #	PUBLIC LAW Attachment #
PUBLICATIONS Attachment #	EPA MBE/WBE UTILIZATION Attachment #	CERTIFICATE REGARDING LOBBYING Attachment #	INVOICE Attachment #	ADDITIONAL ATTACHMENTS Attachment # 3 Attachment # 4	

<b>AMENDMENT INFORMATION</b>	
AMENDMENT ID	AMENDMENT DESCRIPTION (ATTACH ADDITIONAL PAGES AS NECESSARY)

<b>FEDERAL AWARD INFORMATION (ATTACH ADDITIONAL PAGES AS NECESSARY)</b>			
FEDERAL AWARD PROJECT TITLE AND DESCRIPTION U.S. Department of Treasury, Coronavirus State Fiscal Recovery Fund			
*Section 603(b) of the Social Security Act as added by Section 9901 of the American Rescue Plan Act (ARPA), Pub. L. No. 117-2 (March 11, 2021) and implementing regulations and guidance.			
FEDERAL AWARDING AGENCY United States Department of Treasury		FEDERAL AWARD ID NUMBER 073134579	PASS THROUGH ENTITY NAME MoDNR, and State of Missouri, Office of Administration
FEDERAL FUNDING YEAR 2022	FEDERAL AWARD DATE 07/28/21	TOTAL AMOUNT OF FEDERAL AWARD \$ 2,685,296,130.80	INDIRECT COST RATE FOR MoDNR 0.00 %
HAVE YOU OR AN IMMEDIATE FAMILY MEMBER EVER SERVED IN THE U.S. ARMED FORCES? YES <input type="checkbox"/> NO <input type="checkbox"/> *This question is optional.			
IF YES, WOULD YOU LIKE INFORMATION ABOUT MILITARY-RELATED SERVICES IN MISSOURI? YES <input type="checkbox"/> NO <input type="checkbox"/> *This question is optional.			



**APPROVAL**

I am at least 18 years old, and certify I am duly authorized to accept this award for recipient using electronic signature. The recipient understands and agrees it is a condition precedent to receive reimbursement that recipient comply with and is not in breach or default of all terms and conditions of this award stated above and attached hereto, and that no request for reimbursement will be processed unless it is presented in proper form.

RECIPIENT ORGANIZATION AUTHORIZED OFFICIAL NAME AND TITLE (TYPED)

Greg Parker Mayor

SIGNATURE

DATE

DEPARTMENT OF NATURAL RESOURCES DIRECTOR OR DESIGNEE NAME (TYPED)

Jennifer Eddy

SIGNATURE

DATE

## Instructions for MoDNR staff completing Financial Assistance Agreement Form

### Recipient Information: complete all fields

- Recipient Name – Must match the registered name in the System for Award Management (SAM). If the recipient is not yet registered in SAM, then they should be provided with information on how to register (<http://www.sam.gov>).
- Unique Identifier – Must match the unique identifier number in SAM. Currently it is the recipient's Data Universal Numbering System (DUNS) number which the recipient must have prior to the award. DUNS numbers may be obtained without charge at <http://fedgov.dnb.com/webform>.

### Project Information: complete all fields

- CFDA Number – The Catalog of Federal Domestic Assistance (CFDA) number is found on the Notice of Award.
- CDFA Name – Is found on the Notice of Award.
- Research and Development Comments – Complete field if checking "Yes" in the Research and Development field.
- Project Funding – The Original Amount, Original Percent, Total Amount and Total Percentage fields must be completed. If the original agreement amount is being amended, the Amended Amount and Amended Percentage fields must also be completed.

### Agreement Administration: complete all applicable fields.

Attachments included in the agreement packet should all be identified in this section.

### Amendment Information: complete all fields if amending the agreement

- Amendment ID – Enter the amendment number (i.e., enter "1" if it is the first amendment, enter "2" if it is the second amendment, etc.).
- Amendment Description – Summarize what is being amended. Example: Original agreement amount is being increased by \$500,000 and the Budget Period and Project Periods are being extended six months.

Federal Award Information: Complete all fields if using federal funds for any part of the award. If the award is being funded by multiple federal grants, information on each grant must be included as an attachment.

- Federal Award Project Title and Description – Refer to the Notice of Award from the federal agency.
- Federal Awarding Agency – Designate from which federal agency MoDNR received pass through funds.
- Federal Award ID Number – Refer to the Notice of Award.
- Pass Through Entity Name – Enter information in this format: *Division, Program*.
- Federal Funding Year – Federal year the funding is provided.
- Federal Award Date – Date the federal award is signed by the authorized official of the Federal awarding agency. Refer to the Notice of Award.
- Total Amount of Federal Award – Enter the total amount awarded by the federal agency to include any amended amounts. Refer to the Notice of Award.
- Indirect Cost Rate for MoDNR – Current MoDNR rates can be found at <http://n-nr1ntra.ads.state.mo.us/das/rates-current.htm>.

### Approval: complete fields below

- Department of Natural Resources Director Or Designee – Enter the name of the MoDNR director.
- Recipient Organization Authorized Official Name and Title – Enter the name and title of the person who will be signing on behalf of the recipient organization, if known.

**TERMS AND CONDITIONS FOR GRANTEE**  
**RECEIPT OF FEDERAL ARPA SFRF FUNDS**

**I. Use of Funds:** City of Salem (“Grantee”) understands and agrees that the funds disbursed under this grant may only be used in compliance with section 602(c) of the Social Security Act (“Act”), as added by Section 9901 of the American Rescue Plan Act (“ARPA”), Pub. L. No. 117-2 (March 11, 2021), 135 Stat. 4, 223–26, and the U.S. Department of the Treasury (“Treasury”)’s regulations implementing that section and guidance, and in compliance with all other restrictions and specifications on use set forth in or applicable through this agreement. Grantee will determine prior to engaging in any project using this assistance that it has the institutional, managerial, and financial capability to ensure proper planning, management, and completion of the project.

**Period of Performance:** The period of performance for this award begins on the date hereof and ends on [5-31-2025]. Grantee may use funds granted under this agreement to cover eligible costs incurred during the period of performance, but no later than [5-31-2025].

**Reporting:** Grantee agrees to comply with any reporting obligations established by Treasury or the State of Missouri (“State”), as it relates to this grant. Those reporting obligations shall include, without limitation, the following: reporting that is necessary for the State to comply with the Treasury’s Project and Expenditure Report User Guide for State and Local Fiscal Recovery Funds, Version: 2, dated April 1, 2022 and any later versions of that publication.<sup>1</sup>

**Maintenance of and Access to Records:** Grantee shall maintain records and financial documents sufficient to evidence compliance with section 602(c) of the Act and Treasury’s regulations implementing that section and guidance regarding the eligible uses of funds. Grantee shall also maintain records and financial documents: 1. sufficient for the State, with respect to Grantee’s participation in this grant agreement, to evidence compliance with section 602(c) of the Act and Treasury’s regulations implementing that section and guidance regarding the eligible uses of funds; and 2. necessary for the State, with respect to Grantee’s participation in this grant agreement, to comply with obligations under 2 C.F.R. Part 200 and any other applicable law. For subrecipients, Grantee shall further maintain all records and financial documents necessary for: 1. Grantee to comply with obligations as a subrecipient under 2 C.F.R. Part 200; and 2. the State to comply with obligations as a pass-through entity under 2 C.F.R. Part 200. The Treasury Office of Inspector General, the Government Accountability Office, their authorized representatives, the State, or its authorized representatives, shall have the right of access to records and documents (electronic and otherwise) of Grantee in order to conduct audits or other investigations or reviews.<sup>2</sup>

<sup>1</sup> For subrecipients, in the case of an additional reporting requirement imposed by the State under 2 C.F.R. § 200.332(a)(3), this agreement shall be amended.

<sup>2</sup> For subrecipients, the State’s right of access in this paragraph includes, but is not limited to, the right set forth at 2 C.F.R. § 200.332(a)(5) that “the pass-through entity and auditors [shall] have



Records shall be maintained by Grantee for a period of five (5) years after all funds have been expended or returned to the State, whichever is later. Wherever practicable, records should be collected, transmitted, and stored in open and machine-readable formats. Grantee's obligations under this section shall include, without limitation, maintenance of the following specified types of records and financial documents: documents that are necessary for the State to comply with the Treasury's Project and Expenditure Report User Guide for State and Local Fiscal Recovery Funds, Version: 2, dated April 1, 2022 and any later versions of that publication.<sup>3</sup>

Pre-award Costs: Pre-award costs, as defined at 2 C.F.R. § 200.458, may not be paid with funding from this grant.

Conflicts of Interest: For subrecipients only, Grantee understands and agrees that it must maintain a conflict of interest policy consistent with 2 C.F.R. § 200.318(c) and that such conflict of interest policy is applicable to each activity funded under this grant. Grantee must disclose in writing to Treasury or the State, as appropriate, any potential conflict of interest affecting the granted funds in accordance with 2 C.F.R. § 200.112.

Compliance with Applicable Law and Regulations: Grantee agrees to comply with the requirements of section 602 of the Act, regulations adopted by Treasury pursuant to section 602(f) of the Act, guidance issued by Treasury regarding the foregoing, and all other restrictions and specifications set forth in or applicable through this agreement. Grantee also agrees to comply with all other applicable state and federal statutes, regulations, and executive orders, and Grantee shall provide for such compliance by other parties in any agreements it enters into with other parties relating to this grant.

Federal regulations applicable to this grant include, without limitation, the following:

i. For subrecipients only, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 2 C.F.R. Part 200, other than such provisions as Treasury may determine are inapplicable to this grant and subject to such exceptions as may be otherwise provided by Treasury. Excepting for-profit subrecipients, Subpart F – Audit Requirements of Uniform Guidance, implementing the Single Audit Act, shall apply to this grant;

ii. For subrecipients only, Universal Identifier and System for Award Management ("SAM"), 2 C.F.R. Part 25, pursuant to which the award term set forth at Appendix A to 2 C.F.R. Part 25 is hereby incorporated by reference;

iii. For subrecipients only, Reporting Subaward and Executive Compensation Information, 2 C.F.R. Part 170, pursuant to which the award term set forth at Appendix A to 2 C.F.R. Part 170 is hereby incorporated by reference;

access to the subrecipient's records and financial statements as necessary for the pass-through entity to meet the requirements of this part."

<sup>3</sup> For subrecipients, in the case of an additional record-keeping requirement imposed by the State under 2 C.F.R. § 200.332(a)(3), this agreement shall be amended.

iv. OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement), 2 C.F.R. Part 180, and Treasury's implementing regulation at 31 C.F.R. Part 19, including both the requirement to comply with that part's Subpart C as a condition of participation in this transaction, and the requirement to pass the requirement to comply with that subpart to each person with whom the participant enters into a covered transaction at the next lower tier;

v. Recipient Integrity and Performance Matters, pursuant to which the award term set forth at 2 C.F.R. Part 200, Appendix XII, is hereby incorporated by reference;

vi. For subrecipients only, Governmentwide Requirements for Drug-Free Workplace, 31 C.F.R. Part 20;

vii. For subrecipients only, New Restrictions on Lobbying, 31 C.F.R. Part 21;

viii. Uniform Relocation Assistance and Real Property Acquisitions Act of 1970 (42 U.S.C. §§ 4601–4655) and implementing regulations; and

ix. Generally applicable federal environmental laws and regulations.

Federal statutes and regulations prohibiting discrimination applicable to this grant include, without limitation, the following:

i. Title VI of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d *et seq.*) and Treasury's implementing regulations at 31 C.F.R. Part 22, which prohibit discrimination on the basis of race, color, or national origin under programs or activities receiving federal financial assistance;

ii. the Fair Housing Act, Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§ 3601 *et seq.*) which prohibits discrimination in housing on the basis of race, color, religion, national origin, sex, familial status, or disability;

iii. Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of disability under any program or activity receiving federal financial assistance;

iv. the Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101 *et seq.*) and Treasury's implementing regulations at 31 C.F.R. Part 23, which prohibit discrimination on the basis of age in programs or activities receiving federal financial assistance; and

v. For subrecipients and local governments only, Title II of the Americans with Disabilities Act of 1990, as amended (42 U.S.C. §§ 12101 *et seq.*), which prohibits discrimination on the basis of disability under programs, activities, and services provided or made available by state and local governments or instrumentalities or agencies thereto.

Remedial Actions: The State reserves the right to impose additional conditions or requirements on Grantee's receipt of this grant, as the State deems necessary or advisable, in order

to facilitate compliance with any existing or additional conditions or requirements imposed upon the State by Treasury for the State's receipt of ARPA funds. The State also reserves the right to seek recoupment or repayment of this grant in whole or in part, in the event that Treasury seeks recoupment or repayment of payments made to the State, for reasons relating to Grantee's acts or omissions respecting this grant. These reservations are expressed without limitation to any other rights the State may hold, either to impose additional conditions or requirements on Grantee's receipt of this grant or to recoup this grant in whole or in part, under this agreement or other applicable law.

Hatch Act: Grantee agrees to comply, as applicable, with requirements of the Hatch Act (5 U.S.C. §§ 1501–1508 and 7324–7328), which limit certain political activities of State or local government employees whose principal employment is in connection with an activity financed in whole or in part by this federal assistance.

False Statements: Grantee understands that making false statements or claims in connection with this award is a violation of federal law and may result in criminal, civil, or administrative sanctions, including fines, imprisonment, civil damages and penalties, debarment from participating in federal awards or contracts, and/or any other remedy available by law.

Publications: Any publications produced with funds from this grant must display the following language: "This product [is being] [was] supported, in whole or in part, by federal award number [enter project FAIN] awarded to State of Missouri by the U.S. Department of the Treasury."

Debts Owed State and Federal Government: Any funds paid to Grantee (1) in excess of the amount to which Grantee is finally determined to be authorized to retain under the terms of this grant; (2) that are determined by the Treasury Office of Inspector General to have been misused; or (3) that are determined by Treasury to be subject to a repayment obligation pursuant to sections 602(e) and 603(b)(2)(D) of the Act and have not been repaid by Grantee shall constitute a debt owed by the State to the federal government. In such instance, the funds constituting the State's debt to the federal government shall also constitute Grantee's debt to the State. Debts owed by Grantee to the State must be paid promptly by Grantee. A debt owed the State by Grantee under this agreement is delinquent if it has not been paid by the date specified in the State's initial demand for payment, unless other satisfactory arrangements have been made or if Grantee knowingly or improperly retains funds that are a debt as defined in this paragraph. The State will take any actions available to it to collect such a debt, including but not limited to actions available to it under the "Remedial Actions" paragraph found in this same section (I) above. The rights of the State as expressed in this paragraph are in addition to, and do not imply the exclusion of, any other rights the State may have under applicable law to collect a debt or seek damages from Grantee.

Disclaimer: In its award of federal financial assistance to the State, Treasury provides that the United States expressly disclaims any and all responsibility or liability to the State or third persons for the actions of the State or third persons resulting in death, bodily injury, property damages, or any other losses resulting in any way from the performance of this award or any other losses resulting in any way from the performance of this award or any contract or subcontract under this award. Furthermore, in its award of federal financial assistance to the State, Treasury

also states that the acceptance of this award by the State does not in any way establish an agency relationship between the United States and the State. This disclaimer applies with equal force to this grant.

Protections for Whistleblowers: For grants to subrecipients exceeding \$250,000: In accordance with 41 U.S.C. § 4712, Grantee may not discharge, demote, or otherwise discriminate against an employee in reprisal for disclosing to any of the list of persons or entities provided below, information that the employee reasonably believes is evidence of gross mismanagement of a federal contract or grant, a gross waste of federal funds, an abuse of authority relating to a federal contract or grant, a substantial and specific danger to public health or safety, or a violation of law, rule, or regulation related to a federal contract (including the competition for or negotiation of a contract) or grant. The list of persons and entities referenced in the statement above includes the following:

- i. a member of Congress or a representative of a committee of Congress;
- ii. an Inspector General;
- iii. the Government Accountability Office;
- iv. a Treasury employee responsible for contract or grant oversight or management;
- v. an authorized official of the Department of Justice or other law enforcement agency;
- vi. a court or grand jury;
- vii. a management official or other employee of the State or Grantee who has the responsibility to investigate, discover, or address misconduct.

Grantee shall inform its employees in writing of the rights and remedies provided under this section, in the predominant native language of the workforce.

Increasing Seat Belt Use in the United States: Pursuant to Executive Order 13043, 62 FR 19217 (Apr. 18, 1997), Grantee should encourage its contractors to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented or personally owned vehicles.

Reducing Text Messaging While Driving: Pursuant to federal Executive Order 13513, 74 FR 51225 (Oct. 6, 2009), the State hereby encourages Grantee to adopt and enforce policies that ban text messaging while driving.<sup>4</sup>

**II.** By entering into this agreement, Grantee ensures its current and future compliance with Title VI of the Civil Rights Act of 1964, as amended, which prohibits exclusion from participation,

<sup>4</sup> Section I is based on requirements set forth in Treasury's Coronavirus State Fiscal Recovery Fund Award Terms and Conditions document, executed by the State on July 26, 2021.

denial of the benefits of, or subjection to discrimination under programs and activities receiving federal funds, of any person in the United States on the ground of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by Treasury Title VI regulations at 31 C.F.R. Part 22 and other pertinent executive orders such as federal Executive Order 13166; directives; circulars; policies; memoranda and/or guidance documents.

Grantee acknowledges that federal Executive Order 13166, “Improving Access to Services for Persons with Limited English Proficiency,” seeks to improve access to federally assisted programs and activities for individuals who, because of national origin, have Limited English Proficiency (“LEP”). Grantee understands that denying a person access to its programs, services, and activities because of LEP is a form of national origin discrimination prohibited under Title VI of the Civil Rights Act of 1964 and Treasury’s implementing regulations. Accordingly, Grantee shall initiate reasonable steps, or comply with Treasury’s directives, to ensure that LEP persons have meaningful access to its programs, services, and activities. Grantee understands and agrees that meaningful access may entail providing language assistance services, including oral interpretation and written translation where necessary, to ensure effective communication in Grantee’s programs, services, and activities.

Grantee agrees to consider the need for language services for LEP persons during development of applicable budgets and when conducting programs, services, and activities. As a resource, Treasury has published its LEP guidance at 70 FR 6067. For more information on LEP, please visit <http://www.lep.gov>.

Grantee acknowledges and agrees that compliance with this assurance constitutes a condition of continued receipt of federal financial assistance and is binding upon Grantee and Grantee’s successors, transferees, and assignees for the period in which such assistance is provided.

*Grantee shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury’s Title VI regulations, 31 C.F.R. Part 22, which are herein incorporated by reference and made a part of this agreement. Title VI also includes protection to persons with “Limited English Proficiency” in any program or activity receiving federal financial assistance, 42 U.S.C. § 2000d et seq., as implemented by the Department of the Treasury’s Title VI regulations 31 C.F.R. Part 22, and herein incorporated by reference and made a part of this agreement.*

Grantee shall cooperate in any enforcement or compliance review activities by Treasury or the State of the aforementioned obligations. Enforcement may include investigation, arbitration, mediation, litigation, and monitoring of any settlement agreements that may result from these actions. That is, Grantee shall comply with information requests, on-site compliance review, and reporting requirements.

Grantee shall maintain and provide to applicants, beneficiaries, their representatives, or any other party requesting the same, information on how to file a Title VI complaint of discrimination with the State of Missouri.

Grantee shall provide to the State documentation of an administrative agency's or court's findings of non-compliance of Title VI and efforts to address the non-compliance, including any voluntary compliance or other agreements between Grantee and the administrative agency that makes any such finding. If Grantee settles a case or matter alleging such discrimination, Grantee must provide to the State documentation of the settlement. If Grantee has not been the subject of any court or administrative agency finding of discrimination, Grantee shall so state.

The United States of America has the right to seek judicial enforcement of the terms of this assurances section and nothing in this section alters or limits the federal enforcement measures that the United States may take in order to address violations of this section or applicable federal law.

Under penalty of perjury, the undersigned certifies that he/she has read and understood this section's obligations as herein described, that any information submitted in conjunction with this assurance document is accurate and complete, and that Grantee is in compliance with the aforementioned nondiscrimination requirements.

By signing this certification, the undersigned represents his or her intention, and legal authorization, to do so on behalf of Grantee.<sup>5</sup>

Date:

Signature of Grantee's Authorized Representative

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Printed Name of Authorized Representative

**\*\*\*\*\*THE SECTIONS BELOW APPLY ONLY TO SUBRECIPIENTS\*\*\*\*\***

**III.** This grant to City of Salem ("Grantee") constitutes a subaward<sup>6</sup> of federal financial assistance<sup>7</sup> provided to the State of Missouri ("State") by the U.S. Department of Treasury.

<sup>5</sup> Section II is based on requirements set forth in Treasury's Assurance of Compliance with Civil Rights Requirements document, executed by the State on July 26, 2021.

<sup>6</sup> "Subaward" is defined at 2 C.F.R. § 200.1.

<sup>7</sup> "Federal financial assistance" is defined at 2 C.F.R. § 200.1.



the Treasury (“Treasury”) pursuant to Section 602(b) of the Social Security Act (“Act”), as added by Section 9901 of the American Rescue Plan Act (“ARPA”), Pub. L. No. 117-2 (March 11, 2021), 135 Stat. 4, 223–26. Grantee is a subrecipient<sup>8</sup> and the State is a pass-through entity<sup>9</sup> for purposes of the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards set forth at 2 C.F.R. Part 200. The following is provided to Grantee pursuant to 2 C.F.R. § 200.332(a)(1):

- Subrecipient name (which must match the name associated with its unique entity identifier): City of Salem Missouri
- Subrecipient's unique entity identifier: K7HGNAKN8717
- Federal Award Identification Number (FAIN): 073134579
- Federal Award Date of award to the recipient by the Federal agency: 07/28/2021
- Subaward Period of Performance Start and End Date: 6-01-2023 to 5-31-2025
- Subaward Budget Period Start and End Date: 6-01-2023 to 5-31-2025
- Amount of Federal Funds Obligated by this action by the pass-through entity to the subrecipient: 621,657.20
- Total Amount of Federal Funds Obligated to the subrecipient by the pass-through entity including the current financial obligation: 621,657.20
- Total Amount of the Federal Award committed to the subrecipient by the pass-through entity: 621,657.20
- Federal award project description: ARPA appropriated \$195.3 billion for payments from the Coronavirus State Fiscal Recovery Fund (“SFRF”) to states through Treasury. Act § 602(a)(3)(A), ARPA § 9901, 135 Stat. 4, 224. Those monies are for states “to mitigate the fiscal effects stemming from the public health emergency with respect to [COVID-19].” Act § 602(a)(1), ARPA § 9901, 135 Stat. 4, 223. The State has received more than \$2.6 billion in ARPA SFRF funds, separate from local government allocations. In accordance with the budget passed by the Missouri legislature, the State intends that these funds be utilized for the purposes set forth in ARPA, consistent with other applicable federal law. As part of this effort, the State has elected to distribute a portion of its SFRF funding to appropriate subrecipients.

<sup>8</sup> “Subrecipient” is defined at 2 C.F.R. § 200.1.

<sup>9</sup> “Pass-through entity” is defined at 2 C.F.R. § 200.1.

- Name of Federal awarding agency: U.S. Department of Treasury.
- Name of pass-through entity: State of Missouri.
- Contact information for awarding official of pass-through entity:
  - Name: Maria Dorsey
  - Phone Number: 573-522-2395
  - Email Address: Maria.Dorsey@dnr.mo.gov
- Assistance Listings number and Title (pass-through entity must identify the dollar amount made available under each Federal award and the Assistance Listings Number at time of disbursement): 21.027 Coronavirus State and Local Fiscal Recovery Funds
- Identification of whether the award is R & D: No
- Indirect cost rate for the Federal award (including if the de minimis rate is charged) per § 200.414: 0.0%

**IV.** For grants exceeding \$100,000:

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form–LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who

fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

By signing this certification, the undersigned represents his or her intention, and legal authorization, to do so on behalf of Grantee.<sup>10</sup>

Date:

Signature of Grantee's Authorized Representative

Printed Name of Authorized Representative

V. In addition to the other authorities identified in this agreement, Grantee must comply with 2 C.F.R. Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards ("Uniform Guidance"). The Uniform Guidance is an extensive body of federal rules, and so will not be recited here comprehensively. However, **Grantee must perform this agreement in compliance with the entirety of the Uniform Guidance, not just the provisions discussed in this section.**<sup>11</sup>

Beyond its definitions and acronym identifications (Subpart A), the Uniform Guidance contains five subparts. Subpart B, "General Provisions," includes a statement of purpose (which provides a general outline of the Part), 2 C.F.R. § 200.100, a provision on conflicts of interest (*see* Section III above), 2 C.F.R. § 200.112, and a provision on mandatory disclosures, 2 C.F.R. § 200.113. Subpart D, "Post Federal Award Requirements," itself covers a range of topics. 2 C.F.R. § 200.302 requires, *inter alia*, that "financial management systems . . . must be sufficient to permit the preparation of reports required by general and program-specific terms and conditions; and the tracing of funds to a level of expenditures adequate to establish that such funds have been used according to the Federal statutes, regulations, and the terms and conditions of the Federal award." *Id.* at (a). 2 C.F.R. § 200.303 requires, *inter alia*, "[e]valuat[ion] and monitor[ing]" of "compliance with statutes, regulations and the terms and conditions of Federal awards," as well as the "[t]ak[ing] [of] prompt action when instances of noncompliance are identified including noncompliance identified in audit findings." *Id.* at (c) and (d), respectively. Subpart D also includes "Property Standards." 2 C.F.R. §§ 200.310–.327. These sections address Grantee's interaction

<sup>10</sup> Section II is based on requirements set forth at 31 C.F.R. Part 21. Appendix A of that part sets forth this certification.

<sup>11</sup> 2 C.F.R. Part 200, Subpart F does not apply to for-profit entities. However, "[f]or-profit entities that receive SLFRF subawards . . . are subject to other audits as deemed necessary by authorized governmental entities, including Treasury and Treasury's [Office of Inspector General]." Treasury's *Compliance and Reporting Guidance: State and Local Fiscal Recovery Funds*, published February 28, 2022 (Version 3.0), p.12, n.7. Such other audits may be imposed by the State. *Id.* *See also* 2 C.F.R. § 200.501. For-profit subrecipients shall comply with any audit requirements imposed by the State.

with equipment and real property, as well as providing standards for procurement. 2 C.F.R. § 200.329 addresses the monitoring and reporting of program performance. Beginning at 2 C.F.R. § 200.334, Subpart D lists numerous requirements for “Record Retention and Access,” which should be read in concert with the several terms and conditions of this agreement. Subpart E, “Cost Principles,” begins with provisions providing a basic framework for understanding and applying the bulk of these requirements. *See* 2 C.F.R. §§ 200.400 and .401. Subpart E includes a rule on “Reasonable Costs,” 2 C.F.R. § 200.404, which provides a definitional authority as well as primary factors for consideration. *Id.* This subpart also provides a considerable listing of “Selected Items of Cost,” and “General Provisions” for each. 2 C.F.R. §§ 200.420–.476. Subpart F is dedicated to the topic of audits. *See* 2 C.F.R. § 200.500 *et seq.* With certain qualifications, subrecipients are subject to audit pursuant to the federal Single Audit Act and this subpart of the Uniform Guidance. *See* n.12 above, and the authorities there cited.

# Staff Summary Report

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<b>MEETING DATE:</b>	June 13, 2023
<b>AGENDA ITEM:</b>	Reading of Bills -First Reading
<b>AGENDA TITLE:</b>	Bill No. 3540

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<b>ACTION REQUESTED BY:</b>	City Administrator
<b>ACTION REQUESTED:</b>	Approval of annual agreement with Wave Internet for use of space on the “bottle rocket” tower
<b>SUMMARY BY:</b>	Sally Burbridge

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## PROJECT DESCRIPTION / FACTS

The city has had an annual agreement with Wave Internet for use of space on top of the “bottle rocket” water tower for the past few years. Proposed is a renewal of this agreement without changes except for the dates which are retroactive to February 1, 2023, through January 31, 2024. I have reached out to Wave Internet, and they are in agreement with this.

## PROCUREMENT

N/A

## FISCAL IMPACTS

This agreement will result in \$1,200 to the Rents and Royalties line item in the Water Department.

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<b>SUPPORT DOCUMENTS:</b>	Agreement between Wave Internet and the City of Salem
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<b>DEPARTMENT’S RECOMMENDED MOTION:</b>	First reading, no motion.
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AN ORDINANCE AUTHORIZING THE MAYOR TO ACT AS REPRESENTATIVE FOR THE CITY OF SALEM, MISSOURI IN EXECUTING A TOWER LEASE AGREEMENT BETWEEN THE CITY OF SALEM AND WAVE INTERNET TECHNOLOGIES LLC ALLOWING FOR THE INSTALLATION OF A WIRELESS BROADBAND ACCESS POINT WITH RELATED EQUIPMENT ON A DESIGNATED PORTION OF THE CITY OF SALEM'S WATER TOWER LOCATED AT TOWER AND CONDRAY STREET EFFECTIVE THE 1<sup>ST</sup> DAY OF FEBRUARY, 2023 FOR A PERIOD OF ONE (1) YEAR.

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SALEM, MISSOURI AS FOLLOWS:

**Section 1.**

That the Board of Aldermen of the City of Salem, Missouri give authorization to the Mayor to execute a tower lease agreement, on behalf of the City of Salem, Missouri, with Wave Internet Technologies LLC for the installation of a wireless broadband access point with related equipment on the City of Salem's water tower located at Tower and Condray Street effective the 1<sup>st</sup> day of February 2022 for a period of one (1) year and be given the first opportunity to re-lease at the end of the lease term.

**Section 2.**

The fee to be paid by Wave Internet Technologies LLC to the City of Salem, Missouri is \$ 100.00 a month with payment to be made in quarterly installments in advance as described in the agreement described in "Attachment A".

**Section 3.**

All ordinances or parts of ordinances in conflict herewith are, to the extent of such conflict, repealed.

**Section 4.**

This ordinance shall be in full force and effect from and after the date of its passage and approval.

PASSED BY THE BOARD OF ALDERMEN THIS 27<sup>TH</sup> DAY OF JUNE 2023.

APPROVED:

ATTEST:

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**Greg Parker**  
Mayor

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**Tammy Koller**  
City Clerk

APPROVED AS TO FORM:

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**James K. Weber, City Attorney**



## **"ATTACHMENT A"**

### **TOWER LEASE AGREEMENT**

THIS TOWER LEASE AGREEMENT is effective as of the date of the last to sign below by and between **City of Salem**, a Missouri Municipal Corporation ("Lessor") and **Wave Internet Technologies LLC**, a Missouri limited liability company ("Lessee").

WHEREAS Lessor is the owner of a water tower ("Tower") located on property owned by Lessor at a site known as Bottle Rocket Tower at Condray and Tower Street ("Tower Site"); and

WHEREAS Lessee desires to install a wireless broadband access point with related equipment on a designated portion of the Tower and Tower Site; and

WHEREAS Lessor desires to lease to Lessee and Lessee desires to lease from Lessor the right to non-exclusive use of the Tower in connection with the operation of its equipment.

NOW THEREFORE, in consideration of mutual benefits and in reliance on the representations and warranties contained in this Tower Lease Agreement, the parties agree as follows:

1. **LEASED PREMISES AND RIGHTS GRANTED:** Subject to the terms and provisions of this Tower Lease Agreement, Lessor leases to Lessee, and Lessee leases from Lessor the following:

That certain space on the Tower to be used solely for the installation, operation, and maintenance of Lessee 's equipment as intended under FAA and FCC guidelines and designated for installation on the Tower, all of which will be installed and operated at Lessee's sole cost and expense. The space on the Tower shall be referred to as the "Leased Premises;"

a. The right to go upon or cause its employees and agents to go upon the Leased Premises for the purpose of operating, repairing, maintaining, replacing, improving (within original scope) the Improvements.

b. Lessee takes the leased premises "as is" and subject to all conditions existing at the time of the execution of this Tower Lease Agreement. Lessor makes no representations about the suitability of the leased premises for the installation or operation of the improvements or for any particular purpose of Lessee.

2. **TITLE AND QUIET POSSESSION:** Lessor represents (a) that it is the Lessor of the Tower Site; (b) that it has the right to enter into this Tower Lease Agreement; (c) that the person signing this Lease has the authority to sign; and (d) that Lessee is entitled to access to the Leased Premises as described herein and to the quiet possession of the Leased Premises throughout the term so long as Lessee is not in default beyond the expiration of any cure period.

3. **TERM:** The term of this Tower Lease Agreement shall commence on February 1, 2023, and shall continue for a period of one year unless earlier terminated in accordance with provisions of this Tower Lease Agreement or renewed.

4. **INSTALLATION AND MAINTENANCE OF IMPROVEMENTS:**

a. **Construction and Installation.** Subject to the provisions of this Tower Lease Agreement relating to access to the Lease Premises, Lessee shall have the right to install its Improvements. All installations shall be consistent with good engineering practices, in compliance with all requirements of the FCC, FAA and all other governmental agencies, whether federal, state or local and whether legislative, judicial or executive (collectively "Governmental Authorities), with authority over such operations. Installation of Lessee's Improvements shall be coordinated with Lessor so that all efforts are exerted to avoid Interference and/or interruption of transmission by Lessor and/or Lessor's other tenants. The manner of use and the equipment and devices to be used for any installation, relocation and removal of Lessee's Improvements shall not Interfere with or impair the quiet and uninterrupted use and occupancy of the Leased Premises, Tower, or Tower Site by Lessor or Other Tenants. Lessor reserves the right, consistent with good engineering practices, to reasonably and within a reasonable time period approve or disapprove the manner of use and the materials and labor to be used for any installation, replacement, relocation or removal.

b. **Prior Approval of Lessor.** All construction and/or installation done by or on behalf of Lessee and all maintenance, repair, removal or relocation, except routine and /or emergency repair and maintenance, of any of Lessee's Improvements on the Tower Site shall require the prior written notification from the Lessee and prior written approval of Lessor and shall be in compliance with any specifications or requirements of Lessor.

c. **Maintenance.** Lessee shall provide all necessary maintenance and repair to Lessee ' s Improvements located on the Leased Premises. Maintenance shall be conducted by Lessee in accordance with generally accepted engineering standards for similar facilities to assure that at all times Lessee' s Improvements are in conformance with the requirements of the FCC, FAA and all other Governmental Authorities having jurisdiction over Lessee, Lessor, the Leased Premises and all operations on the Leased Premises.

5. **TESTING:** Lessee is acquiring equipment already in place and tested. With respect to any new equipment hereafter installed (i) Lessee shall test the new equipment and document Lessee' s Improvements to ensure that the actual operation thereof will not cause Interference with Lessor's and or Other Tenant's use and operation of the Tower, and shall provide Lessor with the test results and certification of lack of Interference with Lessor's and other Tenant' s use and operation of the Tower, and (ii) Lessee must submit the new equipment test results and verification indicating that there is no Interference from Lessee ' s operation, and (iii) Lessee grants permission to Lessor to share the Initial Test and Verification with all Other Tenants.

6. **RENT, FIRST OPTION TO RE-LEASE:**

a. Lessee shall pay as rent the sum of ONE HUNDRED and 00/100 Dollars (\$100.00) per month for the lease term due and payable in advance in quarterly installments of \$300.00 beginning February 1, 2023.

b. Lessee shall be given the first opportunity to re-lease at the end of the lease term. All lease terms are renegotiable at that time.

7. **LIMITATION OF USE; NUISANCES:**

a. The Leased Premises are to be used by Lessee only for those uses specified in Section 1. No other use of the Leased Premises may be made by Lessee without the prior written consent of Lessor.

b. The operations of Lessee's Improvements shall be conducted at all times in accordance with the standards imposed by the FCC, FAA and all other governmental agencies, whether federal, state, or local and whether legislative, judicial or executive (collectively, "Governmental Authorities"), with authority over such operations. Lessee shall not use or knowingly permit any part of the Leased Premises to be used for any

unlawful purpose, nor for any purpose or in any manner which is in violation of any federal, state, or local laws, regulations, rules, directives or orders.

c. Lessee shall not maintain any unsafe condition nor commit an unsafe action on the Leased Premises and shall install and maintain its equipment and facilities in such manner as to avoid any such unsafe condition. If Lessee, within twenty-four (24) hours of receipt of notice from Lessor, shall fail to remedy any such unsafe condition, Lessor may take all necessary steps to remedy the same and Lessee shall, when invoiced, reimburse Lessor for all costs and expenses.

8. **PERMITS:** Lessee shall obtain and maintain, at its own expense, all authorizations or permits which may be required for the conduct of its business and operations as contemplated in this Tower Lease Agreement, and for making of repairs, alterations, improvements, or additions with respect to equipment and facilities of Lessee, including installation and operation, and shall meet the requirements of applicable laws, rules, regulations, directives, and orders of the FCC, FFA and all other Governmental Authorities. Lessor may request and receive copies of any and all authorizations, permits, or regulatory approvals granted.

9. **UTILITIES:** Lessee agrees to install, at its own expense, all utilities, systems, and outlets as required by it. The cost of Lessee's electric is included in the lease paragraph reprised herein. All such installations must be in compliance with governmental codes. Utilities required by Lessee shall be at Lessee's expense, and may include emergency power installed by Lessee. Such installations must not damage or disrupt Lessor's operations, or the operations of Other Tenants at the site. Lessor reserves the right to interrupt utility service to Lessee at any time without notice when in an emergency it is necessary to do so in Lessor's sole discretion. Lessor shall not in any way be liable or responsible to Lessee for any loss, damage, liability, or expense which Lessee must sustain or incur as a result of such utility interruptions.

10. **TAXES:** Lessee shall pay taxes, assessments, or levies directly assessed or imposed against the Improvements and all equipment and facilities or other property owned by Lessee located on the Tower Site and shall pay taxes attributable to the value of this leasehold interest.

11. **LESSOR'S ACCESS AND INSPECTION RIGHTS:** Lessor and Lessor's employees, representatives, and agents shall have the right to inspect and have

access to Lessee's Improvements located on the Tower Site at any time and for all such purposes as may be deemed necessary in Lessor's sole discretion. To the extent practical, Lessor shall provide Lessee with twenty-four (24) hours advance notice. In the event of an emergency as determined by Lessor, Lessor, its employees and agents may enter for any purpose whatsoever, without notice.

12. **INSURANCE:** Lessee will carry during the term of this Tower Lease Agreement, at its own cost and expense, the following insurance:
- " All Risk" Property Insurance for its property ' s replacement cost;
- a. Commercial General Liability Insurance, including Premises, Operations, Products and Completed Operations, and Contractual Liability coverages, with a minimum limit of liability of \$1,000,000.00 for bodily injury or death/property damage arising out of any one occurrence, will provide certificate of insurance.
  - b. Workers' Compensation and Employers' Liability Insurance as required by law.
  - c. Lessee will name the Lessor as an additional insured under its Commercial General Liability Insurance policy. Lessee will require its insurance company to give at least thirty (30) days prior written notice of termination or cancellation of the policy to the additional insured, except for termination or cancellation for non-payment of premium, which notice will be ten (10) days.
  - d. Lessee shall provide Lessor with certificates of insurance for the insurance policies required herein before the execution of this Tower Lease Agreement by Lessor.
  - e. All insurance must be issued by a reputable insurance company authorized to transact business in the State of Missouri.
  - f. In the event Lessee employs contractors to install, maintain, or repair equipment on the leased premises, Lessee shall require such contractors to procure and maintain general commercial liability, business automobile liability, workers compensation, and employers' liability insurance with the same minimum limits and under the terms and conditions as set forth above in this paragraph.

13. **OWNERSHIP OF LESSEE'S PROPERTY:** The Improvements constructed and installed by Lessee shall be and remain the sole property of Lessee. Lessee shall be fully responsible for the replacement, maintenance, modification, rearrangement, and removal of the Improvements installed in or upon the Leased

Premises, and Lessor shall have no responsibility for the Improvements. Lessee shall keep all of its Improvements and other property in safe condition at all times and in compliance with all applicable laws, rules, regulations, orders, and directives of all Governmental Authorities.

**14. INTERFERENCE:**

a. Lessee agrees to operate and maintain Lessee ' s facilities and equipment in such a manner as will not result in Interference at any time with the operations of Lessor or Other Tenants. At the time of execution of this lease, Lessee is the only tenant of Lessor on the tower. It is understood that Lessor is not precluded from leasing space to additional Lessees on the tower. Lessor will require any additional Lessees to adjust their operations so that they do not interfere with the operations of Lessee. If it is impossible for new additional Lessees to make said adjustments, the Lessee agrees to make reasonable and economically feasible adjustments to accommodate additional Lessees.

b. The term " Interference" shall mean (1) a condition which constitutes interference within the meaning of the Regulations of the FCC, (2) a measurable, significant impairment, in accordance with normal engineering standards, of the quality of signals from the Tower, (3) a condition caused directly or indirectly by Lessee resulting in the inability of any FCC licensed or unlicensed entity operating at the Tower Site to conform within its FCC parameters, or (4) a condition degrading , or interfering with Lessor's communications system(s), all as determined by Lessor.

c. Following completion of the initial test described in Section 5 and during the **term** and all renewal periods, if any Interference is caused by Lessee ' s signal or its equipment or facilities or by the manner of operation thereof, the Lessee shall cooperate fully with the affected party (Lessor and/or Other Tenant) and eliminate such Interference. Upon notice to Lessee from Lessor and/or Other Tenant of any such Interference, (1) the affected parties shall promptly investigate the problem; (2) the affected parties shall take all steps necessary to identify the nature of the problem; and (3) the Lessee shall resolve the problem. If such Interference is not minimized to limits acceptable to the affected party and or parties within forty-eight (48) hours after receipt by Lessee of notice of Interference, Lessee shall (1) reduce transmitter power to such level as is necessary to eliminate the Interference pending completion and testing of supplemental measures to remove the Interference at the authorized power, or (2)



terminate operation until the Interference is resolved to the satisfaction of Lessor and/or Other Tenant. Lessee shall reimburse Lessor and/or Other Tenant for any costs and expenses incurred by Lessor and/or Other Tenant in connection with efforts to attenuate any Interference caused by Lessee's signal or Lessee's antennae, equipment, or facilities or by the manner of operation. In the event a correction of the Interference is not possible within 30 days, then all Interfering facilities of Lessee shall be removed at Lessee's sole expense, this Tower Lease Agreement shall be modified or terminated immediately on written notice at the option of Lessor, and any payments for unused portions of the term of the Tower Lease Agreement refunded to Lessee on a per diem basis of 1/360 of the annual fee. In the event of emergency, as determined by Lessor, Lessor may, in its sole discretion, take all actions necessary to rectify any Interference problems caused in whole or in part by Lessee's facilities and equipment, and the total costs of any such measure, including engineering fees, labor and materials, shall be due from Lessee within thirty (30) days of the date of invoice.

15. **DAMAGE TO PREMISES:** In the event the Tower is destroyed or substantially damaged by fire, ice, snow, lighting, wind, explosion, aircraft or other vehicular damage, collapse, or other casualty, Lessor may, within ninety (90) days from the date of the damage or destruction, terminate this Tower Lease Agreement by written notice to Lessee. If Lessor does not terminate this Tower Lease Agreement within that time period, Lessor may reconstruct or repair the Tower as soon as reasonably possible. Lessee shall be entitled to a pro rata refund of any prepaid fee and/or to an abatement of fee for such time as Lessee is unable to conduct its normal activities as a result of such total or partial destruction or damage or need of repair. Such pro-rata refund and/or abatement shall be Lessee's sole remedy. Lessee agrees that Lessor shall have no liability for any claims or losses due to business interruption or any other circumstances. If Lessor does not reconstruct or repair the Tower or if such reconstruction or repair is not accomplished so that Lessee can resume the normal broadcasting operations of Lessee's station and/or other activities within one (1) year from the date its broadcasting operations and/or other operations are interrupted, Lessee may terminate this Tower Lease Agreement upon thirty (30) days prior written notice to Lessor. Lessee shall be solely responsible for repairing, restoring, or replacing its own equipment and facilities.

**16. SALES, LEASES, ASSIGNMENTS AND SUBLETTING:**

a. Lessor's Right to Sell or Lease.

1. Nothing in this Tower Lease Agreement shall be construed as in any way limiting Lessor's right to use the Leased Premises or to lease, transfer its interest in, sell, or grant rights for the use of the Leased Premises to any other party, so long as such use, lease, transfer, sale or grant is subject to Lessee's rights under this Tower Lease Agreement.

2. In the event Lessor sells or transfers its interests in the Leased Premises, and if the purchaser expressly assumes all of the covenants, agreements, liabilities and obligations of Lessor, then Lessor shall be automatically discharged and released from and after the date of such sale, of all obligations on the part of Lessor contained in this Tower Lease Agreement.

3. Assignment or Sublet by Lessee. Lessee shall not assign this Tower Lease Agreement in whole or in part at any time without the prior written permission of Lessor; provided, however, that Lessee may assign this lease without permission to any affiliate, subsidiary, successor legal entity, or any entity acquiring all of the assets of Lessee or its subsidiaries or affiliates. Lessee shall not enter into any arrangement or agreement with a third party for subletting, or in any way using any of the Leased Premises or equipment or facilities.

**17. DEFAULT:**

a. Lessee's Default. The occurrence of any of the following events shall constitute a "Default by Lessee:"

1. The failure by Lessee to pay an installment or fee or other sum or expense required to be paid by Lessee within ten (10) days after written notice from Lessor, or to perform any other of its material obligations under this Tower Lease Agreement within thirty (30) days after written notice from Lessor;

2. The levying on or against the property of Lessee on the Leased Premises of a writ of execution or attachment which is not released or discharged within thirty (30) days;

3. The doing or permitting to be done by Lessee of any act which creates a mechanic's lien or claim against all or any portion of the Leased Premises which is not

released or otherwise provided for by indemnification satisfactory to Lessor within thirty (30) days;

4. The filing by Lessee of a voluntary petition in bankruptcy or voluntary petition or answer seeking reorganization, arrangement, readjustment of its debts, or any other relief under the Federal Bankruptcy Act or under any other insolvency act or law; the making by Lessee of a general assignment for the benefit of creditors; or the admission in writing by Lessee of its inability to pay its debts as they mature; or

5. The filing of an involuntary petition against Lessee in bankruptcy or seeking Lessee reorganization, arrangement, readjustment of its debts or for any other relief under the Federal Bankruptcy Act or any other insolvency act or law, or the involuntary appointment of a receiver or trustee of Lessee, and the continuance of any such events for a period of ninety (90) days not dismissed, bonded, or stayed.

6. The existence of an operational condition on the Leased Premises jeopardizing the public health, safety, or welfare that Lessee fails to correct within twenty-four (24) hours after written notice from Lessor;

b. Lessor's Rights upon Default. Upon the occurrence of any Default by Lessee, Lessor, in addition to any other rights or remedies it might have at law, in equity, or elsewhere in this Tower Lease Agreement, may terminate this Tower Lease Agreement by giving written notice to Lessee. Termination shall be effective when it is given, unless otherwise specified in the notice. On termination due to a Default by Lessee, Lessor may lease or relet the Leased Premises space used by Lessee or any part thereof to any other interested party that may be satisfactory to Lessor and for such terms and for such fee as Lessor may deem advisable to reduce any damages incurred by Lessor as a result of a Default by Lessee.

c. Lessor's Default. The failure by Lessor to perform any of its material obligations under this Tower Lease Agreement within thirty (30) days after written notice from Lessee shall be a "Default by Lessor."

d. Lessee's Rights on Default. Upon the occurrence of any Default by Lessor, Lessee, in addition to any other rights or remedies it might have at law, in equity, or elsewhere in this Tower Lease Agreement, may terminate this Tower Lease Agreement by giving written notice to Lessor.

e. Notice of Default. All notices of a default required by this Section **18** shall state the basis for claiming such default.

f. Rights Accrued Prior to Termination. Neither the termination (whether by default or otherwise) nor the expiration of this Tower Lease Agreement shall affect any rights of the parties that accrued prior to such termination or expiration.

18. **OPTIONAL TERMINATION:** This Tower Lease Agreement may be terminated (a) by Lessee if it is unable to obtain or maintain any license, permit, or other governmental approval necessary for the construction and/or operation of the antenna facilities or Lessee's business; or (b) by Lessor if it determines, in its sole discretion, that the Tower is structurally unsound, including but not limited to consideration of age of the structure, damage, or destruction of all or part of the Tower from any source, or factors relating to the condition of the Tower and substantiated by a structural analysis, the results of which are provided to Lessee prior to termination.

**19. LESSEE'S DUTIES ON TERMINATION:**

a. Surrender of Premises. Upon the expiration or termination of this Tower Lease Agreement, Lessee's rights with respect to possession and use of the Leased Premises shall terminate.

b. Removal of Equipment. Within thirty (30) days after the expiration or termination of this Lease, Lessee shall (1) submit plans and a schedule for removal of the Improvements and restoration to Lessor and, (2) obtain Lessor's approval of such plans and schedule, which shall not be unreasonably withheld. On receiving such approval, Lessee shall remove the Improvements and restore the Leased Premises in accordance with such plans and schedule. If Lessee fails to do any of the foregoing, then Lessor may take all actions necessary to remove the Improvements, and all costs of those actions shall be due and payable by Lessee upon invoice being issued by Lessor.

20. **COMPLIANCE WITH LAW:** Lessee shall operate and maintain the Leased Premises and all the Improvements on the Leased Premises in compliance with all Laws and all applicable requirements of all Governmental Authorities. Further, should Lessee be cited by either the FCC or the FAA because the Leased Premises are not in compliance, and if Lessee does not cure the conditions of non-compliance within the time frame allowed by the citing agency, Lessor may terminate this Tower Lease Agreement immediately upon notice to Lessee.

21. **INDEMNITY:** Lessee shall indemnify, defend, and hold harmless Lessor, its officers, directors, agents, and employees, from and against all claims, damages, losses, and expenses, including attorney's fees, arising out of this Tower Lease Agreement caused by the negligent or wrongful acts or omissions of Lessee, its agents, employees, and contractors. This indemnification agreement shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Lessee under workers' compensation acts, disability benefit acts, or other employee benefit acts.

22. **REMEDIES:**

a. **Waiver.** The failure of Lessor or Lessee to insist on strict performance of any of the terms and conditions of this Tower Lease Agreement shall not be deemed a waiver of the rights or remedies that Lessor or Lessee may have regarding that specific instance nor shall it be deemed a waiver of any subsequent breach or default of the same of any other term or condition hereof.

b. **Cumulative Nature.** All rights and remedies of Lessor and Lessee herein enumerated shall be cumulative and none shall exclude any other right or remedy allowed at law or equity, and rights and remedies may be exercised and enforced concurrently and whenever and as often as occasion arises.

23. **NOTICES:** Whenever any notices are required or permitted to be given pursuant to this Tower Lease Agreement, the same shall be in writing and shall be deemed given when deposited in the United States registered or certified mail, postage prepaid and return receipt requested, or other receipted mail, addressed as follows:

If to Lessor:

City of Salem  
City Administrator  
400 North Iron Street  
Salem, MO 65560

If to Lessee:

Wave Internet Technologies LLC  
1201 Forum Drive  
Rolla, MO 65401

Either party may change the above information during the term of this Tower Lease Agreement by written notice to the other party. Any notices may also be personally delivered or sent by overnight courier providing proof of service. Notices may also be

sent by facsimile or e-mail if they are confirmed in writing as set forth above within three days. Facsimile or e-mail notices that have been confirmed shall be effective on the date the e-mail or facsimile notice is received.

24. **SUCCESSORS:** This Tower Lease Agreement shall be binding upon and inure to the benefit of the parties and their successors and assigns subject to any provisions of this Tower Lease Agreement to the contrary.

25. **ENTIRE AGREEMENT:** This Tower Lease Agreement contains the entire agreement between the parties and cannot be changed except by a written instrument subsequently executed by the parties hereto.

26. **GOVERNINGLAW:** This Tower Lease Agreement shall be construed in accordance with and governed by the Laws of the State of Missouri. Any legal actions pertaining to or arising out of this Tower Lease Agreement shall be filed and maintained in the Circuit Court of Dent County, Missouri.

27. **CONFLICT OF INTEREST:** Lessee represents and warrants that no officer, employee, or affiliate of Lessee has been or will be employed, retained, paid a fee, or otherwise had received or will receive any personal compensation or consideration by or from Lessor or any of Lessor's officers, employees or affiliates in connection with obtaining, arranging, or negotiating this Tower Lease Agreement.

28. **LIMITATION OF LIABILITY:** In no event shall Lessor be liable to Lessee for any special, indirect, incidental, or consequential damages of any kind, whether arising in tort, contract, or otherwise, including (without limitation) lost profits or loss of use.

29. **FORCE MAJEURE:** Neither party shall be responsible for its failure to perform any obligation due to any cause beyond its reasonable control ("Force Majeure"). In the event of a Force Majeure, the affected party shall notify the other party. The affected party shall take all reasonable steps to eliminate the cause of the Force Majeure; however, neither party shall be required to agree to an unfavorable settlement of a labor dispute.

a. Nothing contained herein shall be construed to be a waiver of Lessor's sovereign immunity.



IN WITNESS WHEREOF, the parties have signed this Tower Lease Agreement as follows:

LESSOR signs on \_\_\_\_\_, 2023  
CITY OF SALEM, MISSOURI

By: \_\_\_\_\_  
Greg Parker, Mayor

LESSEE signs on \_\_\_\_\_, 2023  
WAVE INTERNET TECHNOLOG IES, LLC

By: \_\_\_\_\_  
Zachary D. Robinson, Member

# **Staff Summary Report**

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<b>MEETING DATE:</b>	6/13/2023
<b>AGENDA ITEM:</b>	CONTACT TANK PAINTING WELL NO. 2 AND WELL NO. 4
<b>AGENDA TITLE:</b>	BILL NO. 3539

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**ACTION REQUESTED BY:**

**ACTION REQUESTED:**

**SUMMARY BY:**

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## **PROJECT DESCRIPTION / FACTS**

On April 11, 2023, the Board of Aldermen approved the bid from Hogan Inc. for \$29,454.00 to paint retention tank at Well No. 4, and alternate bid of \$31,475.00 to paint retention tank at Well No. 2. First reading was at the May 23, 2023 Board of Aldermen Meeting.

## **PROCUREMENT**

## **FISCAL IMPACTS**

Line item 510-501-70367. \$60,000.00 budgeted from water department. Remainder will be come from later years Water Fund Balance, which ended with a \$290,000.00 balance.

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**SUPPORT DOCUMENTS:** Project Manual for Well No. 2 and Well No. 4

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**DEPARTMENT'S RECOMMENDED MOTION:** Move to Approve Bill No. 3539.

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AN ORDINANCE AUTHORIZING THE MAYOR TO SIGN AND EXECUTE AN AGREEMENT BETWEEN THE CITY OF SALEM, MISSOURI, AND HOGAN'S INC. FOR CONTACT TANK PAINTING SERVICES TO WELL NO. 2 AND WELL NO. 4.

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SALEM MISSOURI AS FOLLOWS:

**Section 1.**

That the Mayor is hereby authorized to sign and execute on behalf of the City of Salem, Missouri an Agreement by and between the City of Salem, Missouri and Hogan's Inc. and sign all documents related to the contact tank painting of Well No. 2 and Well No. 4.

**Section 2.**

All Ordinances or parts of Ordinances in conflict with this Ordinance are hereby repealed.

**Section 3.**

This Ordinance shall take effect and be in full force and effect from and after the date of its passage and approval.

PASSED BY THE BOARD OF ALDERMEN OF THE CITY OF SALEM, MISSOURI, AND APPROVED BY THE MAYOR THIS 13<sup>th</sup> DAY OF JUNE 2023.

APPROVED:

ATTEST:

\_\_\_\_\_  
Greg Parker  
Mayor

\_\_\_\_\_  
Tammy Koller  
City Clerk

APPROVE AS TO FORM:

\_\_\_\_\_  
James Weber  
City Attorney

### NOTICE OF AWARD

TO: _____	PROJECT: 19072111-17
Hogan's, Inc.	Well No. 2 and Well No. 4
2787 Carter Route M	Contact Tank Painting
Van Buren, MO 63965	Salem, Missouri

The Owner has considered the Bids submitted for the above-described work.

You are hereby notified that your proposal to provide and deliver the following Work under the Base Bid, Additive Alternate No. 1 and Additive Alternate No. 2 for Salem Well No. 2 and Well No. 4 Contact Tank Painting Project has been accepted in the total amount of Sixty Eight Thousand, Three Hundred Twenty Nine Dollars and NO/100 (\$68,329.00).

You are required by the Instructions to Bidders to execute the Agreement and deliver to the Owner the required number of counterparts of the Agreement with the required Contract Security within fifteen (15) calendar days of receipt of this NOTICE OF AWARD.

Upon execution of the accompanying documents, the Engineer shall issue a NOTICE TO PROCEED detailing the requirements for the commencement of the Contract Time. The point of contact for the City will be, Mark Nash, Director of Public Works, at 573-729-5211. If you have any questions please call.

City of Salem, Missouri  
400 N. Iron St.  
Salem, MO 65560

BY:   
TITLE: Mayor

DATE: 4-11-23

### ACCEPTANCE OF NOTICE OF AWARD

Receipt of the above Notice of Award is hereby acknowledged by

\_\_\_\_\_  
Hogan's, Inc.  
(Firm Name)  
this the 12<sup>th</sup> day of May 20 23  
BY:   
TITLE: Vice President

(SEAL)  
(If a Corporation)

Contractor shall return five signed and sealed copies of this "Notice of Award" to the Engineer.

**Addendum No. 2**  
**For**  
**Well No. 2 and Well No. 4 Contact Tank Painting**  
**Salem, Missouri**

The Contract Documents, Specifications, and Drawings covering the construction of the Salem Contact Tank Painting Project are hereby amended as follows:

**FRONT END**

- A. REPLACE pages 1 and 2 of Section 00110 – Information for bidders with the attached pages.
- B. REPLACE the existing Section 00400 – Bid Form with the attached 00400 – Bid Form-Addendum No. 2.

**SPECIFICATIONS**

- A. Division 1, Specification Section 01110 – Summary of Work
  - 1. ADD the following verbiage to Section 1.02:

**“D. Base Bid, Additive Alternate No. 3 – Well No. 4 Contract Tank Tiger Mural Painting**

Contractor shall stencil, photograph and otherwise thoroughly document the existing mural on the Well No. 4 contact tank prior to removal of existing exterior coating system. Contractor shall provide evidence to the Engineer demonstrating that the existing mural has been adequately documented to afford its reproduction. Upon completion of all work encompassed within the Base Bid, contractor shall install a new mural matching the existing mural. The new mural shall be applied with paint that is compatible with the final painting system detailed in Division 9, Specification Section 09920 – Painting (Industrial) for exterior areas. Specified warranty coverage for coating system to be applied to exterior areas shall accommodate for the application of the mural at the top surface of the finish coating system.”

- B. Division 1, Specification Section 01230 – Alternates
  - 1. REPLACE Section 1.03.B with the following verbiage:

“B. Base Bid Additive Alternate No. 1, Base Bid Additive Alternate No. 2 and/or Base Bid Additive No. 3 shall be approved for award by the Owner to the selected low Base Bid based on City budget allowances.”

**BIDDER QUESTIONS & ANSWERS**

- Q: What are the pipe diameters for the fill, drain lines at each contact tank? What pipe diameters must the pipe insulation systems be sized for?

A: The pipe diamters for fill, drain lines at Well No. 2, Well No. 4, Well No. 6 and Well No. 8 are 6 IN dia ductile iron pipe. Pipe insulation shall be adequately sized to accommodate existing fill, drain piping diameters.

Q: Confirm that the contact tank painting at Well No. 4 is comprised within the Base Bid?

A: Yes. The specified work to be performed at Well No. 4 constitutes the Base Bid (See Specification Sections 01110 – Summary of Work and 01230 – Alternates).

Q: Confirm that the manways are scheduled for installation on Well No 2 and Well No. 4 contact tanks only?

A: Correct. Manways shall be installed as directed, on Well No. 2 and Well No. 4 contact tanks only.

Bidder shall acknowledge receipt of this addendum by completing the acknowledgement space provided in the Bid Form.

Date: March 23, 2023

ARCHER-ELGIN

Engineering, Surveying & Architecture  
Rolla, Missouri



## 00110 INFORMATION FOR BIDDERS

Figure 1 - Site 1 (Well 4) Street View



Keynote: #

1. Remove existing pipe insulation and dispose of from site. Install new pipe insulation system consisting of:
  - a. Three (3) IN thick expanded polystyrene foam insulation attached to exterior of existing ductile iron pipe
  - b. Galvanized steel, rigid jacket installed on top of the expanded polystyrene insulation. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and finish shall be smooth (Galvalume or approved equal)
  - c. Jacket shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation.
  - d. Jacket shall have a minimum thickness of 0.016 IN.
  - e. Apply specified coating system to exterior of jacket.
  - f. Insulation system and jacket shall extend a minimum of 30 IN below existing grade.



Figure 2 - Site 1 (Well 4) Side View



Keynote: #

2. Replace existing valve with new 2 IN Globe Valve. See Division 18, Specification Section 18180 – Valves and accessories for details regarding
3. Replace mural over final exterior area coating system.
  - a. Contractor shall stencil, photograph and otherwise thoroughly document the existing mural on the Well No. 4 contact tank prior to removal of existing exterior coating system. Contractor shall provide evidence to the Engineer demonstrating that the existing mural has been adequately documented to afford its reproduction.
  - b. Upon completion of all work encompassed within the Base Bid, contractor shall install a new mural matching the existing mural. The new mural shall be applied with paint that is compatible with the final painting system detailed in Division 9, Specification Section 09920 – Painting (Industrial) for exterior areas. Specified warranty coverage for coating system to be applied to exterior areas shall accommodate for the application of the mural at the top surface of the finish coating system.

00400 BID FORM – ADDENDUM NO. 2

WELL NO. 2 AND WELL NO. 4 CONTACT TANK PAINTING  
for  
CITY OF SALEM, MISSOURI

THE UNDERSIGNED BIDDER, having examined the Instructions to Bidders, Contract Forms, Drawings, Specifications, and other related Contract Documents referred to herein, and any and all Addenda thereto; the location, arrangement, and construction of existing railways, highways, streets, roads, structures, utilities, and facilities which affect or may be affected by the Work; the topography and condition of the site of the Work; and being acquainted with and fully understanding (a) the extent and character of the Work covered by this Bid Form; (b) the location, arrangement, and specified requirements of and for the proposed structures and miscellaneous items of Work appurtenant thereto; (c) the nature and extent of the excavations to be made, and the type, character and general condition of the materials to be excavated; (d) the necessary handling and rehandling of excavated materials; (e) all existing and local conditions relative to construction difficulties and hazards, labor, transportation, hauling, trucking and rail delivery facilities; and (f) all local conditions, laws, regulations, and all other factors and conditions affecting or which may be affected by the performance of the Work required by the Contract Documents.

HEREBY PROPOSE and agrees, if this Bid is accepted, to enter into agreement in the form attached hereto, and to perform all Work and to furnish all required materials, supplies, equipment, tools and plant; to perform all necessary labor; and to construct, install, erect and complete all Work stipulated in, required by, in accordance with the Contract Documents and other terms and conditions referred to therein (as altered, amended, or modified by any and all Addenda thereto) at the prices set forth in the following Schedule of Prices.

Bidder hereby agrees to commence Work under this Contract on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty days after the Effective Date of the Agreement. The Bidder agrees to fully complete all Work within the time frame as provided for in the Agreement.

Bidder further agrees, if the Bid is accepted, to pay as an agreed amount of liquidated damages for each section awarded as provided in the Agreement, General Conditions, and Supplementary Conditions.

Bidder accepts the provisions of the Instructions to Bidders regarding disposition of Bid Security.

Bidder acknowledges receipt of the following Addenda, which have been considered in the preparation of this Bid:

No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____

Each Bidder shall enter in the space provided below the names of the manufacturers and/or suppliers of materials or equipment whose items are named or specified in the Bidding Documents, including all Addenda, which the Contractor proposes to furnish and agrees that prices shown on the Bid Form are based on each item named below. Upon award of the Contract, the named material or equipment shall be furnished. Substitutions will be permitted only if named item does not meet the Specifications.

If preliminary or "Pre-bid Qualifications" have been requested and accepted, this acceptance shall not in any way constitute a waiver of the Specifications covering such items. Final acceptance will be based on full conformity with the Specifications covering such items.

Item of Material or Equipment	Manufacturers	Supplier
Paint/Primer		

Bidder agrees, if the Bid is accepted, to perform all the Work described in the Contract Documents, including all Addenda, for the following prices. In case of a discrepancy between the Unit Price and the Extension Figure, the Unit Price shall be considered to be the Bid.

## SCHEDULE OF PRICES

### Base Bid – Well No. 4 Contact Tank Painting

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
1	Contact Tank Painting - Well No. 4, per Specifications Sections 01110 & 09920.	1	LS		

**TOTAL BASE BID**

Dollars & no/cents

(Words)

(Figures)

### Base Bid, Additive Alternate No. 1 – Well No. 2 Contact Tank Painting

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
A.1	Contact Tank Painting – Well No. 2, per Specifications Sections 01110 & 09920.	1	LS		

**BASE BID ADDITIVE ALTERNATE No.1**

Dollars & no/cents

(Words)

(Figures)

### Base Bid, Additive Alternate No. 2 – Well No. 6 & 8 Contact Tank Piping Insulation

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
B.1	Existing Contact Tank Piping Insulation, per specification Sections 00110 and 01110.	1	LS		

**BASE BID ADDITIVE ALTERNATE No. 2**

Dollars & no/cents

(Words)

(Figures)

**Base Bid, Additive Alternate No. 3 – Well No. 4 Contact Tank Tiger Mural Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
C.1	Replace existing Tiger Mural on Well No. 4 Tank after final coating is applied, per specifications Sections 00110 and 01110.	1	LS	_____	_____

**BASE BID ADDITIVE ALTERNATE No. 2**

		Dollars & no/cents	
(Words)		(Figures)	

The undersigned hereby agrees to enter into Contract on the attached Agreement Form and furnish the necessary bond within fifteen (15) consecutive calendar days from the receipt of Notice of Award from the Owner's acceptance of this Bid, and to complete said Work within the indicated number of consecutive calendar days from the thirtieth day after the Effective Date of the Agreement, or if a Notice to Proceed is given, from the date indicated in the Notice to Proceed.

If this Bid is accepted and should Bidder for any reason fail to sign the Agreement within fifteen (15) consecutive calendar days as above stipulated, the Bid Security which has been made this day with the Owner shall, at the option of the Owner, be retained by the Owner as liquidated damage for the delay and expense caused the Owner; but otherwise, it shall be returned to the undersigned in accordance with the provisions set forth in the Instructions to Bidders, paragraph 6.0 Bid Security.



Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

LICENSE or CERTIFICATE NUMBER, if applicable \_\_\_\_\_

FILL IN THE APPROPRIATE SIGNATURE AND INFORMATION BELOW:

**IF AN INDIVIDUAL:** \_\_\_\_\_ Doing Business As

Signature and Title

\_\_\_\_\_  
Name of Firm

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A PARTNERSHIP:** \_\_\_\_\_

Name of Partnership

\_\_\_\_\_  
Member of Firm

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A CORPORATION:** \_\_\_\_\_

Name of Corporation

By \_\_\_\_\_

Signature & Title

ATTEST: \_\_\_\_\_ (CORPORATE SEAL)

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

If Bidder is a Corporation, supply the following information:

State in which Incorporated: \_\_\_\_\_

Name and Address of its: President \_\_\_\_\_

Secretary \_\_\_\_\_

**Addendum No. 1**  
**For**  
**Well No. 2 and Well No. 4 Contact Tank Painting**  
**Salem, Missouri**

The Contract Documents, Specifications, and Drawings covering the construction of the Salem Contact Tank Painting Project are hereby amended as follows:

**FRONT END**

- A. REPLACE the existing project location map with the attached map showing the locations of Well No. 2, Well No. 4 and Well No. 8.
- B. ADD the attached project location map and Well No. 6 contact tank drawings Section 00110 – Information for Bidders.
- C. ADD the attached Section 00110 – Information for Bidders Pages No. 7 and 8 detailing the scope of work to be performed at Well No. 6 and Well No. 8 within the scope of Base Bid Additive Alternate No. 2.
- D. REPLACE the existing Section 00400 – Bid Form with the attached 00400 – Bid Form-Addendum No. 1.

**SPECIFICATIONS**

- A. Division 1, Specification Section 01110 – Summary of Work
  - 1. ADD Section 1.02.C with the following verbiage:

**“C. Base Bid Additive Alternate No. 2 – Well No. 6 & 8 Contact Tank Piping Insulation**

Demolish existing pipe insulation. Install new insulation system on the exterior piping at the contact tanks. Insulation system shall consist of three (3) inch thick expanded polystyrene foam insulation attached to existing ductile iron pipe and covered with galvanized steel, rigid jacket. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and the finish shall be smooth (Galvalume, or approved equal). All jacketing shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation. Jacket shall have a minimum thickness of 0.016 IN.”

- B. Division 1, Specification Section 01230 – Alternates
  - 1. REPLACE Section 1.03.B with the following verbiage:

“B. Base Bid Additive Alternate No. 1 and/or Base Bid Additive Alternate No. 2 shall be approved for award by the Owner to the selected low Base Bid based on City budget allowances.”

- C. Division 1, Specification Section 01230 – Alternates

1. ADD the following verbiage to Section 1.05:

“A. Work to be performed at Well No. 6 and Well No. 8 sites. Alternate consists of an additive price for the removal of existing pipe insulation and its replacement with new insulation system. The new insulation system shall consist of: Three (3) inch thick expanded polystyrene foam insulation attached to existing ductile iron pipe and covered with galvanized steel, rigid jacket.”

#### **BIDDER QUESTIONS & ANSWERS**

- Q: Will both contact tanks be taken off-line for the entire duration of the contract?  
A: No. No more than one well may be removed from service at a time. Once the Contractor removes the well from service, the Contractor must work to minimize the duration of the outage.  
Q: Does the logo present on the Well No. 4 contact tank need to be replaced?  
A: No. The final coating system shall be one solid color. The logo/mural shall not be replaced.

Bidder shall acknowledge receipt of this addendum by completing the acknowledgement space provided in the Bid Form.

Date: March 20, 2023

ARCHER-ELGIN

Engineering, Surveying & Architecture  
Rolla, Missouri

Figure 7 - Site 3 (Well No. 6), Side View Facing East



Keynote:

#

1. Remove existing pipe insulation and dispose of from site. Install new pipe insulation system consisting of:
  - a. Three (3) IN thick expanded polystyrene foam insulation attached to exterior of existing ductile iron pipe
  - b. Galvanized steel, rigid jacket installed on top of the expanded polystyrene insulation. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and finish shall be smooth (Galvalume or approved equal)
  - c. Jacket shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation.
  - d. Jacket shall have a minimum thickness of 0.016 IN.
  - e. Apply specified coating system to exterior of jacket.
  - f. Insulation system and jacket shall extend a minimum of 30 IN below existing grade.



Figure 8 - Site 4 (Well No. 8), Side View Facing West



Keynote:



1. Remove existing pipe insulation and dispose of from site. Install new pipe insulation system consisting of:
  - a. Three (3) IN thick expanded polystyrene foam insulation attached to exterior of existing ductile iron pipe
  - b. Galvanized steel, rigid jacket installed on top of the expanded polystyrene insulation. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and finish shall be smooth (Galvalume or approved equal)
  - c. Jacket shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation.
  - d. Jacket shall have a minimum thickness of 0.016 IN.
  - e. Apply specified coating system to exterior of jacket.
  - f. Insulation system and jacket shall extend a minimum of 30 IN below existing grade.





500

Scale: 1" = 500'

DATE: 03/17/23	<p>PRELIMINARY DRAWING FOR REVIEW AND APPROVAL PURPOSES ONLY. FINAL PLANS WILL BE SIGNED, SEALED, &amp; ISSUED UPON RECEIPT OF ALL PLAN REVIEW COMMENTS AND APPROVALS FROM LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES.</p>	 <p>CM Archer Group, P.C. d/b/a</p> <p>Corporate Authority: CM Archer Group, P.C.; E: 2003023612, LS: 2004075577-D</p> <p>Archer-Elgin Surveying &amp; Engineering, LLC; E: 2011024036, LS: 2011028471, A-2012014618</p> <p>Office Location: 310 East Sixth Street Rolla, Mo. 65401 573-364-6362 • Fax: 573-364-4782 www.archer-elgin.com</p>	<p>Well No. 2 &amp; 4 Contact Paint in Salem, Missouri</p>	PROJECT NO. 19072111 TO 17
DESIGNED BY: KAC				DRAWING NO. 1A
DRAWN BY: JSM				







00400 BID FORM – ADDENDUM NO. 1

WELL NO. 2 AND WELL NO. 4 CONTACT TANK PAINTING  
for  
CITY OF SALEM, MISSOURI

THE UNDERSIGNED BIDDER, having examined the Instructions to Bidders, Contract Forms, Drawings, Specifications, and other related Contract Documents referred to herein, and any and all Addenda thereto; the location, arrangement, and construction of existing railways, highways, streets, roads, structures, utilities, and facilities which affect or may be affected by the Work; the topography and condition of the site of the Work; and being acquainted with and fully understanding (a) the extent and character of the Work covered by this Bid Form; (b) the location, arrangement, and specified requirements of and for the proposed structures and miscellaneous items of Work appurtenant thereto; (c) the nature and extent of the excavations to be made, and the type, character and general condition of the materials to be excavated; (d) the necessary handling and rehandling of excavated materials; (e) all existing and local conditions relative to construction difficulties and hazards, labor, transportation, hauling, trucking and rail delivery facilities; and (f) all local conditions, laws, regulations, and all other factors and conditions affecting or which may be affected by the performance of the Work required by the Contract Documents.

HEREBY PROPOSE and agrees, if this Bid is accepted, to enter into agreement in the form attached hereto, and to perform all Work and to furnish all required materials, supplies, equipment, tools and plant; to perform all necessary labor; and to construct, install, erect and complete all Work stipulated in, required by, in accordance with the Contract Documents and other terms and conditions referred to therein (as altered, amended, or modified by any and all Addenda thereto) at the prices set forth in the following Schedule of Prices.

Bidder hereby agrees to commence Work under this Contract on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty days after the Effective Date of the Agreement. The Bidder agrees to fully complete all Work within the time frame as provided for in the Agreement.

Bidder further agrees, if the Bid is accepted, to pay as an agreed amount of liquidated damages for each section awarded as provided in the Agreement, General Conditions, and Supplementary Conditions.

Bidder accepts the provisions of the Instructions to Bidders regarding disposition of Bid Security.

Bidder acknowledges receipt of the following Addenda, which have been considered in the preparation of this Bid:

No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____

Each Bidder shall enter in the space provided below the names of the manufacturers and/or suppliers of materials or equipment whose items are named or specified in the Bidding Documents, including all Addenda, which the Contractor proposes to furnish and agrees that prices shown on the Bid Form are based on each item named below. Upon award of the Contract, the named material or equipment shall be furnished. Substitutions will be permitted only if named item does not meet the Specifications.

If preliminary or "Pre-bid Qualifications" have been requested and accepted, this acceptance shall not in any way constitute a waiver of the Specifications covering such items. Final acceptance will be based on full conformity with the Specifications covering such items.

<b>Item of Material or Equipment</b>	<b>Manufacturers</b>	<b>Supplier</b>
Paint/Primer		

Bidder agrees, if the Bid is accepted, to perform all the Work described in the Contract Documents, including all Addenda, for the following prices. In case of a discrepancy between the Unit Price and the Extension Figure, the Unit Price shall be considered to be the Bid.

## SCHEDULE OF PRICES

### **Base Bid – Well No. 4 Contact Tank Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
1	Contract Tank Painting - Well No. 4, per Specifications Sections 01110 & 09920.	1	LS	_____	_____
<b>TOTAL BASE BID</b>					
				Dollars & no/cents	
				(Words)	(Figures)

### **Base Bid, Additive Alternate No. 1 – Well No. 2 Contact Tank Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
A.1	Contact Tank Painting – Well No. 2, per Specifications Sections 01110 & 09920.	1	LS	_____	_____
<b>BASE BID ADDITIVE ALTERNATE No.1</b>					
				Dollars & no/cents	
				(Words)	(Figures)

### **Base Bid, Additive Alternate No. 2 – Well No. 6 & 8 Contact Tank Piping Insulation**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
B.1	Existing Contact Tank Piping Insulation, per specification Section 00110.	1	LS	_____	_____
<b>BASE BID ADDITIVE ALTERNATE No. 2</b>					
				Dollars & no/cents	
				(Words)	(Figures)

The undersigned hereby agrees to enter into Contract on the attached Agreement Form and furnish the necessary bond within fifteen (15) consecutive calendar days from the receipt of Notice of Award from the Owner's acceptance of this Bid, and to complete said Work within the indicated number of consecutive calendar days from the thirtieth day after the Effective Date of the Agreement, or if a Notice to Proceed is given, from the date indicated in the Notice to Proceed.

If this Bid is accepted and should Bidder for any reason fail to sign the Agreement within fifteen (15) consecutive calendar days as above stipulated, the Bid Security which has been made this day with the Owner shall, at the option of the Owner, be retained by the Owner as liquidated damage for the delay and expense caused the Owner; but otherwise, it shall be returned to the undersigned in accordance with the provisions set forth in the Instructions to Bidders, paragraph 6.0 Bid Security.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

LICENSE or CERTIFICATE NUMBER, if applicable \_\_\_\_\_

FILL IN THE APPROPRIATE SIGNATURE AND INFORMATION BELOW:

**IF AN INDIVIDUAL:** \_\_\_\_\_ Doing Business As

Signature and Title

\_\_\_\_\_  
Name of Firm

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A PARTNERSHIP:** \_\_\_\_\_

Name of Partnership

\_\_\_\_\_  
Member of Firm

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A CORPORATION:** \_\_\_\_\_

Name of Corporation

By \_\_\_\_\_

Signature & Title

ATTEST: \_\_\_\_\_ (CORPORATE SEAL)

Business Address of Bidder: \_\_\_\_\_

\_\_\_\_\_  
Telephone No. \_\_\_\_\_

If Bidder is a Corporation, supply the following information:

State in which Incorporated: \_\_\_\_\_

Name and Address of its: President \_\_\_\_\_

Secretary \_\_\_\_\_



**PROJECT**

*Well No. 2 and Well No. 4 Contact Tank Painting*

**OWNER**

*City of Salem, Missouri  
400 North Iron  
Salem, MO 65560*

**ENGINEER**

**Archer-Elgin Engineering, Surveying and Architecture  
310 East 6<sup>th</sup> Street  
Rolla, MO 65401  
MO Cert of Authority: 2003023612-D  
Phone: (573)364-6362  
Fax: (573)364-4782**

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##### **09000 DIVISION 9 - FINISHES**

- 09920 - PAINTING STEEL WATER STORAGE

##### **18000 DIVISION 18 – PROCESS PIPING**

- 18180 - VALVES AND ACCESSORIES

## 00100 ADVERTISEMENT FOR BIDS

Sealed bids will be received by City of Salem, Missouri, 400 North Iron Street, Salem, Missouri, until 1:00 p.m., on Tuesday, March 28, 2023, and there at said office publicly opened and read aloud for the construction of the following bid items:

### **Base Bid – Well No. 4 Contact Tank Painting**

Project involves the removal of the existing tank coating, appropriate surface preparation and profiling, and application of specified coating systems to the interior and exterior of an existing 10 FT Diameter, 18 FT long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tank for potable water. Once the coating system has been installed, chemical disinfection of the tank interior shall be performed. Additionally, a new 24 IN diameter permanent manway access and feed/discharge piping insulation system shall be installed. Exterior piping (2 total) connected to Well No. 4 will be insulated with the following criteria: three (3) inch thick expanded polystyrene foam insulation attached to existing ductile iron pipe and covered with galvanized steel, rigid jacket. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and the finish shall be smooth (Galvalume, or approved equal). All jacketing shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation. Jacket shall have a thickness of 0.016 IN. The existing drain valve will also need replaced with a globe valve with a valve keyed handle.

### **Base Bid, Additive Alternate No. 1 - Well No. 2 Contact Tank Painting**

Project involves the removal of the existing tank coating, appropriate surface preparation and profiling, and application of specified coating systems to the interior and exterior of an existing 10 FT Diameter, 18 FT long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tank for potable water. Once the coating system has been installed, chemical disinfection of the tank interior shall be performed. Additionally, a new 24 IN diameter permanent manway access shall be installed.

Following the request or registration, a complete set of the bidding documents will be emailed as "zipped" portable document format (PDF) files by contacting Archer-Elgin at 573-364-6362 or by e-mail to [dcareaga@cmarcher.com](mailto:dcareaga@cmarcher.com). Paper specifications and plans are on file for examination at the office of the Engineers, Archer-Elgin Engineering, Surveying and Architecture, 310 East 6<sup>th</sup> Street, Rolla, Missouri 65401. Paper copies of the bidding documents may be obtained from the Engineer upon payment of a non-refundable sum of \$40.00 for each complete set. An additional amount of \$25.00 will be charged for mailing of bidding documents.

A complete set of the bidding documents may be obtained from Archer-Elgin, or reviewed at the following locations:

Archer-Elgin - Engineer  
310 East 6<sup>th</sup> Street  
Rolla, MO 65401  
Phone: 573-364-6362  
Fax: 573-364-4782

City of Salem  
400 North Iron Street  
Salem, MO 65560  
Phone: 573-729-5211  
Fax: 573-729-5371

**FOR REVIEW PURPOSES ONLY**

The Owner reserves the right to reject any or all bids, to waive informalities or irregularities, and to determine the lowest responsive and responsible Bidder, and to award the contract on that basis.

Each bidder must submit a bid security in the amount of five percent (5%) of their total bid.

Contractor shall be enrolled in and participate in a federal work authorization program with respect to the employees working in connection with this project and Contractor cannot knowingly employ any person who is an unauthorized alien in connection with the contracted services set forth above.

March 7, 2023

Date

City of Salem

Owner


ENGINEER'S PROJECT NO. 19072111-17



## 00110 INFORMATION FOR BIDDERS

Figure 1 - Site 1 (Well 4) Street View



Keynote: 

1. Remove existing pipe insulation and dispose of from site. Install new pipe insulation system consisting of:
  - a. Three (3) IN thick expanded polystyrene foam insulation attached to exterior of existing ductile iron pipe
  - b. Galvanized steel, rigid jacket installed on top of the expanded polystyrene insulation. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and finish shall be smooth (Galvalume or approved equal)
  - c. Jacket shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation.
  - d. Jacket shall have a minimum thickness of 0.016 IN.
  - e. Apply specified coating system to exterior of jacket.
  - f. Insulation system and jacket shall extend a minimum of 30 IN below existing grade.



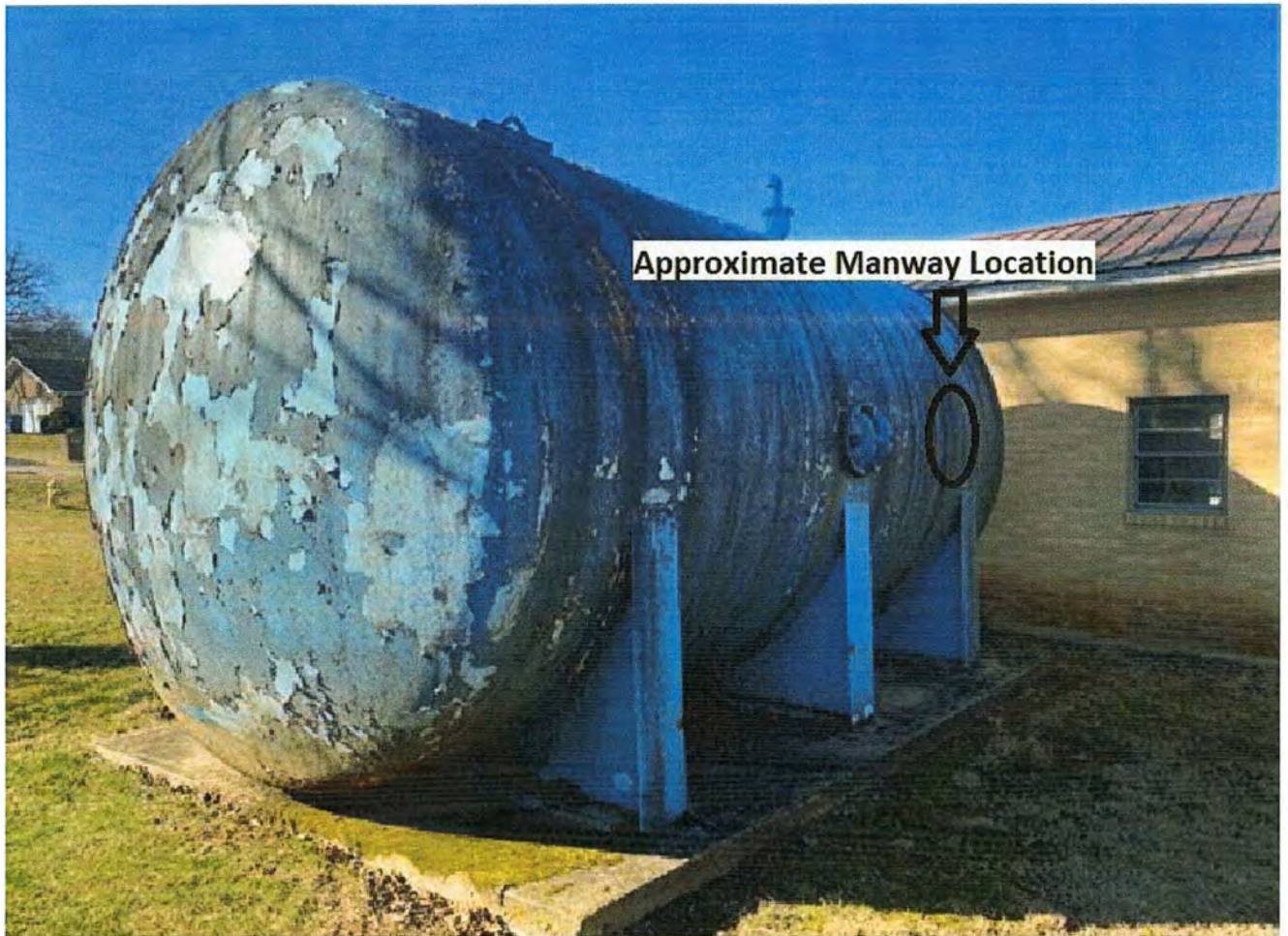
**Figure 2 - Site 1 (Well 4) Side View**



Keynote: #

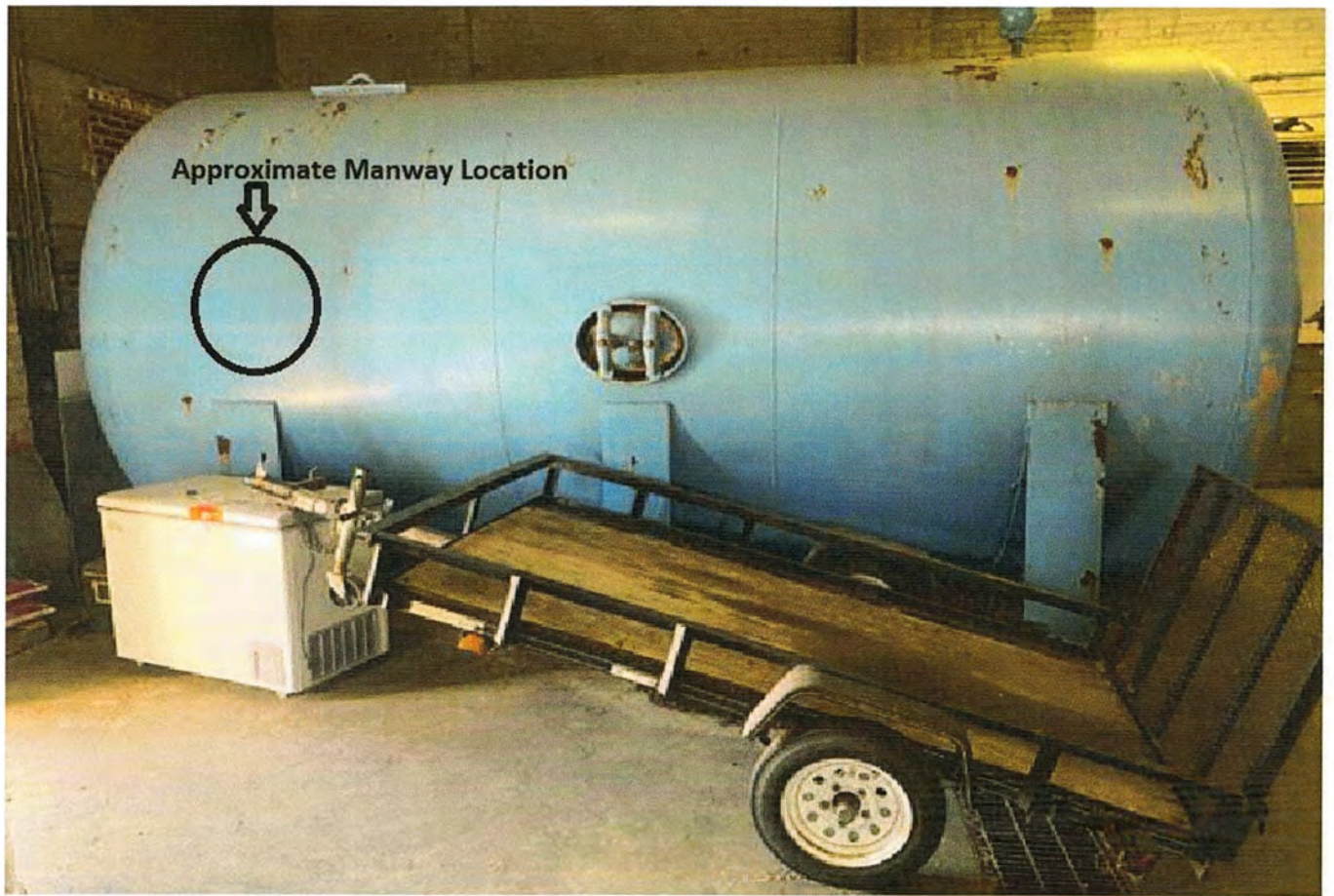
2. Replace existing valve with new 2 IN Globe Valve. See Division 18, Specification Section 18180 – Valves and accessories for details regarding

**Figure 3 - Site 1 (Well 4) Back View**





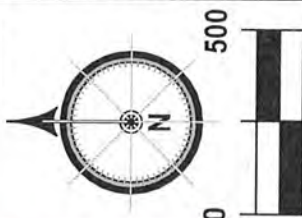
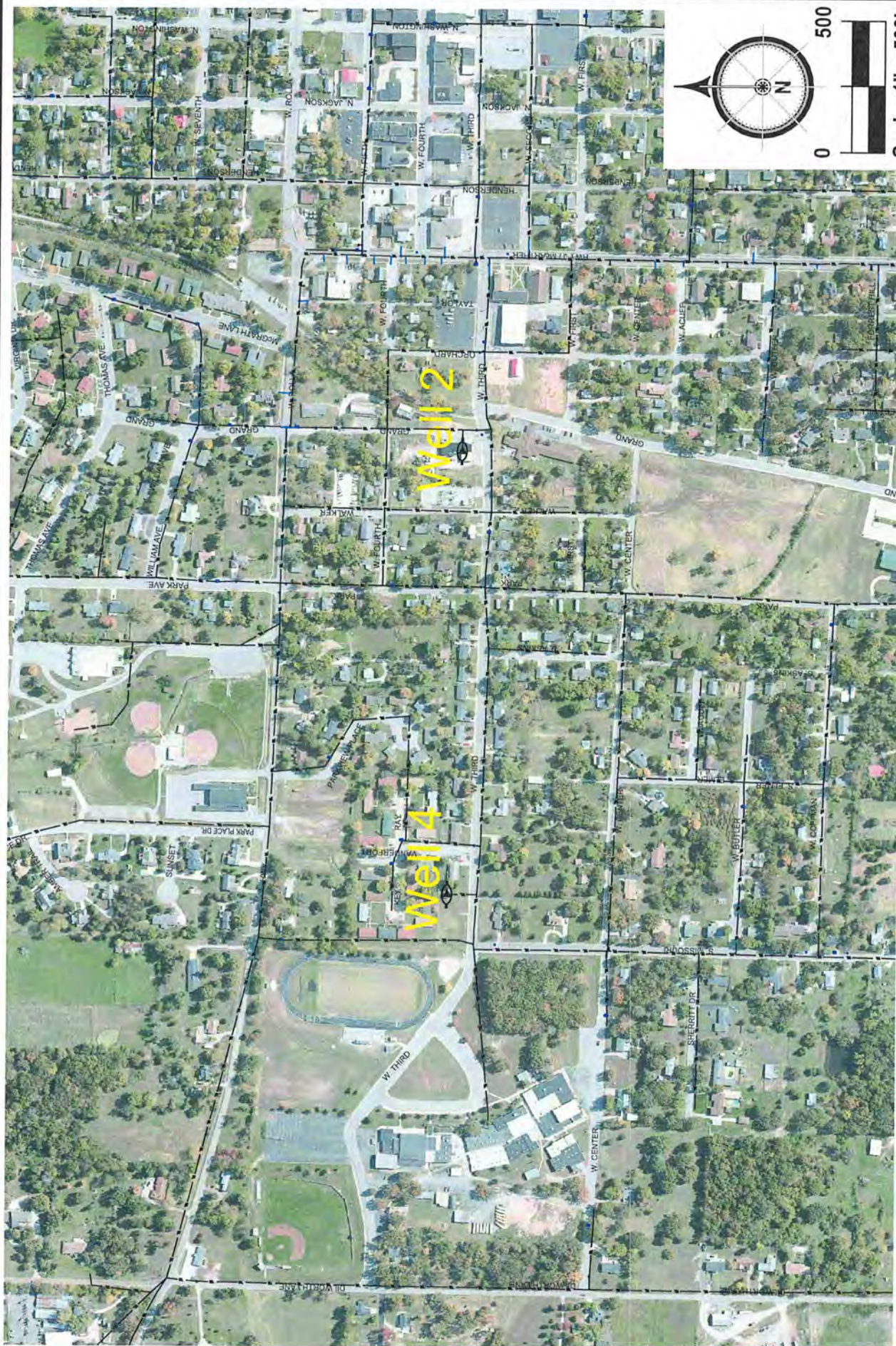
**Figure 4 - Site 2 (Well 2) Front View**



**Figure 5 - Site 2 (Well 2) Side and Rear View**

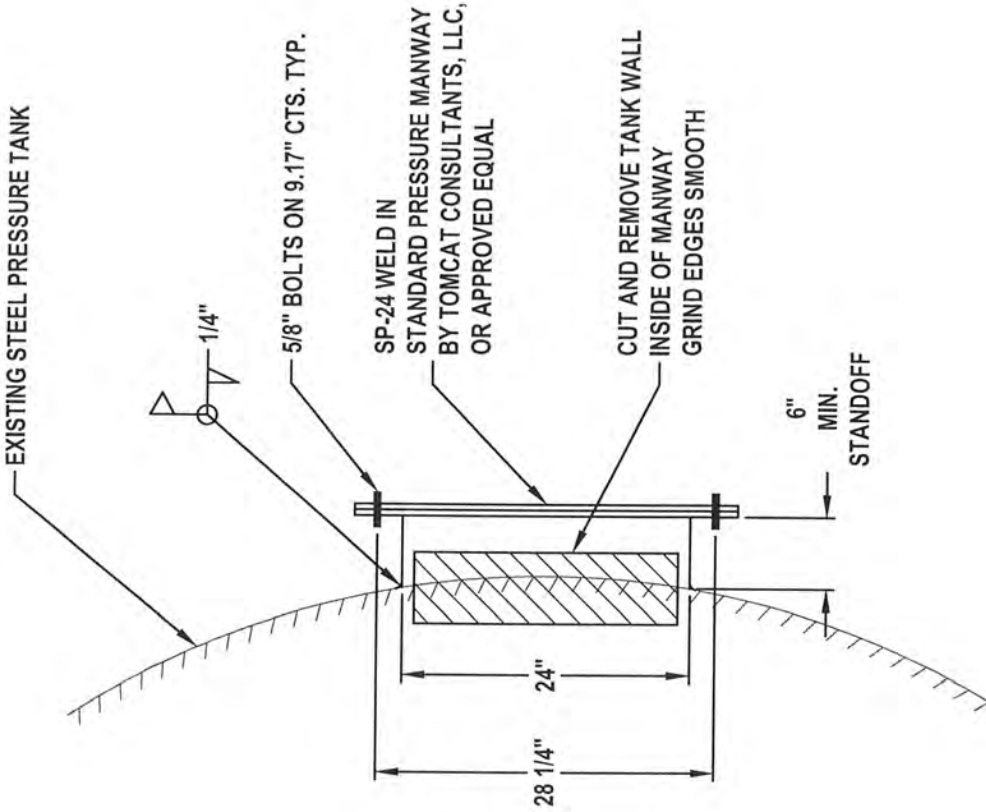






DATE: 03/06/23	<p>PRELIMINARY DRAWING FOR REVIEW AND APPROVAL PURPOSES ONLY. FINAL PLANS WILL BE SIGNED, SEALED, &amp; ISSUED UPON RECEIPT OF ALL PLAN REVIEW COMMENTS AND APPROVALS FROM LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES.</p>	<p>Corporate Authority: CM Archer Group, P.C.: E: 2003023512, LS: 200407577-D Archer-Elgin Surveying &amp; Engineering, LLC: E: 2011024038, LS: 2011025471, A-2012014518</p>	 <p>CM Archer Group, P.C. INC. Office Location: 310 East Sixth Street Rolla, Mo. 65401 573-364-0362 • Fax 573-364-4782 www.archer-elgin.com</p>	<p>Well No. 2 &amp; 4 Contact Paint in Salem, Missouri</p>	PROJECT NO. 19072111 TO 17
DESIGNED BY: KAC					DRAWING NO. 1
DRAWN BY: JSM					





# NOTES:

1. PROVIDE FULL FACE NEOPRANE GASKET FOR SEAL OF OVER TO FLANGE  
INSTALL 5/8" GRAPE 5 BOLTS WITH DOUBLE FLAT WASHERS, NUTS.
2. CUT COLLAR TO FIT EXTERIOR RADIUS OF EXISTING STEEL PRESSURE TANK

PRELIMINARY DRAWING FOR REVIEW  
AND APPROVAL PURPOSES ONLY.  
FINAL PLANS WILL BE SIGNED,  
SEALED, & ISSUED UPON RECEIPT OF  
ALL PLAN REVIEW COMMENTS AND  
APPROVALS FROM LOCAL, STATE,  
AND FEDERAL REGULATORY  
AGENCIES.

Corporate Authority:  
CM Archer Group, P.C.:  
E: 2003023512, LS: 2004017577-D  
Archer-Elgin Surveying & Engineering, LLC:  
E: 2011024038, LS: 2011025471, A-2012014618

**ARCHER-ELGIN**  
engineering surveying architecture  
Office Location: 310 East Sixth Street  
Rolla, Mo. 65401  
573-364-6362 • Fax 573-364-4782  
www.archer-elgin.com

Well No. 2 & 4 Contact Paint  
in  
Salem, Missouri  
Manway Detail

PROJECT NO.  
19072111  
TO 17

DRAWING NO.  
1

DATE:  
03/07/23  
DESIGNED BY:  
KAC  
DRAWN BY:  
JSM

## 00200 INSTRUCTIONS TO BIDDERS

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1.0	COPIES OF BIDDING DOCUMENTS.....	1
2.0	QUALIFICATIONS OF BIDDERS.....	1
3.0	EXAMINATION OF CONTRACT DOCUMENTS AND SITE.....	1
4.0	BID SECURITY.....	1
5.0	CONTRACT TIME.....	2
6.0	LIQUIDATED DAMAGES.....	2
7.0	EQUIVALENT, SUBSTITUTE, OR "OR-EQUAL" ITEMS.....	2
8.0	SUBCONTRACTORS, SUPPLIERS AND OTHERS.....	2
9.0	BID FORM.....	2
10.0	PREPARATION AND SUBMISSION OF BIDS.....	2
11.0	OPENING OF BIDS.....	3
12.0	AWARD OF CONTRACT.....	3
13.0	CONTRACT SECURITY AND INSURANCE.....	3
14.0	EXECUTION OF THE AGREEMENT.....	4
15.0	RELATED WORK UNDER SEPARATE CONTRACTS.....	4
16.0	SCHEDULING AND CONTRACT SEQUENCING.....	4
17.0	WAGE RATES.....	4
18.0	TAXES.....	5
19.0	RETAINAGE.....	5

## **00200 INSTRUCTIONS TO BIDDERS**

### **1.0 COPIES OF BIDDING DOCUMENTS**

- 1.1 Complete sets of bound copies of Bidding Documents may be obtained as set forth in the Advertisement for Bids. Neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

### **2.0 QUALIFICATIONS OF BIDDERS**

- 2.1 Bidders Applicator shall have 3 years or more experience and have successfully completed coating system applications similar in material and extent to those indicated.
- 2.2 When bonding is required, the bidder who is bonded must be the entity performing greater than 51% of the Work.
- 2.3 In addition to price, the City will consider the following factors in determining the best bid. Bidder shall submit such information, at the Owner's request, to afford a reasonable assessment of the listed factors.
  - a. The ability, capacity and skill of the bidder to perform the contract or provide the goods or services required.
  - b. Whether the bidder can perform the contract or provide the goods or services promptly, or within the time specified, without delay or interference.
  - c. The character, integrity, reputation, judgment, experience and efficiency of the bidder.
  - d. The quality of performance of previous contracts, goods or services.
  - e. The previous and existing compliance with the bidder with laws and ordinances relating to the contract, goods or services.
  - f. The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the goods or services.
  - g. The quality, availability and adaptability of the supplies, or contractual services to the particular use required.
  - h. The ability of the bidder to provide future maintenance and service for the use of the subject of the contract.

### **3.0 EXAMINATION OF CONTRACT DOCUMENTS AND SITE**

- 3.1 It is the responsibility of each Bidder, before submitting a Bid, to (a) examine the Bidding Documents thoroughly, (b) visit the site to become completely familiar with local conditions that may in any manner affect cost, schedule, progress, performance or furnishing of the Work, (c) familiarize himself with and consider federal, state and local laws, ordinances, rules and regulations.

### **4.0 BID SECURITY**

- 4.1 Bid Security shall be made payable without condition to the Owner, in an amount not less than five percent (5%) of the Bidder's Total Bid Price, and in the form of either a certified or bank check upon an incorporated bank or trust company, or a Bid Bond issued by a good and sufficient surety satisfactory to Owner. Owner will accept only surety company or companies authorized to write Bonds of such character and amount under the laws of the state in which the Work is located and are listed in the U.S. Treasury Department Circular 570, meeting the requirements of the General Conditions.
- 4.2 Attorneys-in-Fact who sign Bid Bonds shall file with such Bonds a certified copy of their Power of Attorney to sign Bonds and conduct business in the State in which the Work is located.



## **11.0 OPENING OF BIDS**

- 14.1 All Bids received within the announced closing time for the receipt of Bids stipulated in the Advertisement for Bids will be opened publicly. Bids will be read aloud and a tabulation of the applicable Total Bid Price and major alternates (if any) will be made available to Bidders within a reasonable time after the opening of Bids. Any Bid received after the announced closing time may be returned unopened. Any uncertainties as to whether a Bid was submitted in time will be resolved at Owner's sole discretion.

## **12.0 AWARD OF CONTRACT**

- 12.1 To the extent permitted by applicable state and federal laws and regulations, Owner reserves the right to reject any and all Bids, to waive any and all informalities, and to disregard all nonconforming, nonresponsive, or conditional Bids, or to readvertise for Bids. Also, Owner reserves the right to reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability, or is found to lack honesty, integrity or moral integrity or fails to meet any other pertinent standard or criteria established by the intent of the Bidding Documents.
- 12.2 Discrepancies on the Bid Form between words (if required) and figures shall be resolved so that the written words shall be binding on that Bidder. Discrepancies between the indicated sum of any column of figures and the correct sum will be resolved so that the correct sum shall be binding on that Bidder. Discrepancies in the multiplication of unit prices times the indicated units of Work will be resolved so that the proposed unit prices shall be binding on the Bidder. Discrepancies between a stipulated price and that indicated shall be resolved so that the stipulated allowance, or "no more than" or "no less than" price, shall be binding on that Bidder.

## **13.0 CONTRACT SECURITY AND INSURANCE**

- 13.1 Prior to beginning work, the Contractor shall furnish Certificate of Insurance, naming the Owner and Engineer as Additional Insured. No work will be authorized until this requirement is met. Contractor shall be required to maintain General Liability Insurance in an amount no less than \$1 million per occurrence, \$2 million in the aggregate; Automobile Liability Insurance in an amount no less than \$1 million, combined single limit; and Worker's Compensation and Employers Liability Insurance, statutory limits. Contractor shall be required to maintain insurance throughout the performance of this contract.
- 13.2 Contractor shall furnish performance, maintenance, and payment Bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all Contractor's obligations under the Contract Documents. These Bonds shall remain in effect at least until one year after the date when final payment becomes due, except as otherwise provided by Law or Regulation or by the Contract Documents. Contractor shall also furnish such other Bonds as are required by the Supplementary Conditions. All Bonds shall be in the forms prescribed by Law or Regulation or by the Contract Documents and be executed by good and sufficient sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff Bureau of Accounts, U.S. Treasury Department. All Bonds signed by an agent must be accompanied by a certified copy of the authority to act. If the surety on any Bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of this

## **18.0 TAXES**

- 18.1 Pursuant to RSMo Section 144.030, the Missouri Department of Revenue has exempted certain items of this Contract from State and local sales and use taxes. RSMo Section 144.030.2.(14) permits exemption for machinery, equipment, appliances, and devices purchased or leased and used solely for the purpose of preventing, abating, or monitoring water pollution, and materials and supplies solely required for the installation, construction or reconstruction of such machinery, equipment, appliances and devices, and so certified by the Director of the Department of Natural Resources, provided that any action by the Director may be appealed to the Missouri Clean Water Commission which may uphold or reverse the action.
- 18.2 Bidders shall not include in their Bid any sales, use or similar taxes on items which qualify for exemption. Any taxes on any of the above items which qualify for exemption will not be accepted for payment and will be deducted from the Contract Price if included on Contractor's invoices, or in any manner included as a part of Contractor's billing to the Owner.

## **19.0 RETAINAGE**

- 19.1 5% of monthly pay applications shall be retained by the Owner until final completion certification by the Engineer unless noted otherwise.

END OF INSTRUCTIONS TO BIDDERS



00400 BID FORM – ADDENDUM NO. 2

WELL NO. 2 AND WELL NO. 4 CONTACT TANK PAINTING  
for  
CITY OF SALEM, MISSOURI

THE UNDERSIGNED BIDDER, having examined the Instructions to Bidders, Contract Forms, Drawings, Specifications, and other related Contract Documents referred to herein, and any and all Addenda thereto; the location, arrangement, and construction of existing railways, highways, streets, roads, structures, utilities, and facilities which affect or may be affected by the Work; the topography and condition of the site of the Work; and being acquainted with and fully understanding (a) the extent and character of the Work covered by this Bid Form; (b) the location, arrangement, and specified requirements of and for the proposed structures and miscellaneous items of Work appurtenant thereto; (c) the nature and extent of the excavations to be made, and the type, character and general condition of the materials to be excavated; (d) the necessary handling and rehandling of excavated materials; (e) all existing and local conditions relative to construction difficulties and hazards, labor, transportation, hauling, trucking and rail delivery facilities; and (f) all local conditions, laws, regulations, and all other factors and conditions affecting or which may be affected by the performance of the Work required by the Contract Documents.

HEREBY PROPOSE and agrees, if this Bid is accepted, to enter into agreement in the form attached hereto, and to perform all Work and to furnish all required materials, supplies, equipment, tools and plant; to perform all necessary labor; and to construct, install, erect and complete all Work stipulated in, required by, in accordance with the Contract Documents and other terms and conditions referred to therein (as altered, amended, or modified by any and all Addenda thereto) at the prices set forth in the following Schedule of Prices.

Bidder hereby agrees to commence Work under this Contract on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty days after the Effective Date of the Agreement. The Bidder agrees to fully complete all Work within the time frame as provided for in the Agreement.

Bidder further agrees, if the Bid is accepted, to pay as an agreed amount of liquidated damages for each section awarded as provided in the Agreement, General Conditions, and Supplementary Conditions.

Bidder accepts the provisions of the Instructions to Bidders regarding disposition of Bid Security.

Bidder acknowledges receipt of the following Addenda, which have been considered in the preparation of this Bid:

No.	<u>1</u>	Dated:	<u>3/20/23</u>
No.	<u>2</u>	Dated:	<u>3/23/23</u>
No.	<u>                    </u>	Dated:	<u>                    </u>
No.	<u>                    </u>	Dated:	<u>                    </u>

Each Bidder shall enter in the space provided below the names of the manufacturers and/or suppliers of materials or equipment whose items are named or specified in the Bidding Documents, including all Addenda, which the Contractor proposes to furnish and agrees that prices shown on the Bid Form are based on each item named below. Upon award of the Contract, the named material or equipment shall be furnished. Substitutions will be permitted only if named item does not meet the Specifications.

If preliminary or "Pre-bid Qualifications" have been requested and accepted, this acceptance shall not in any way constitute a waiver of the Specifications covering such items. Final acceptance will be based on full conformity with the Specifications covering such items.

<b>Item of Material or Equipment</b>	<b>Manufacturers</b>	<b>Supplier</b>
Paint/Primer	Tnemec	Coating Solutions (Mike Cerutti)

Bidder agrees, if the Bid is accepted, to perform all the Work described in the Contract Documents, including all Addenda, for the following prices. In case of a discrepancy between the Unit Price and the Extension Figure, the Unit Price shall be considered to be the Bid.

## SCHEDULE OF PRICES

### **Base Bid – Well No. 4 Contact Tank Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
1	Contact Tank Painting - Well No. 4, per Specifications Sections 01110 & 09920.	1	LS	\$29,454.00	\$29,454.00
<b>TOTAL BASE BID</b>					
Twenty nine thoudsand four hundred fifty four (Words)				Dollars & no/cents	\$29,454.00 (Figures)

### **Base Bid, Additive Alternate No. 1 – Well No. 2 Contact Tank Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
A.1	Contact Tank Painting – Well No. 2, per Specifications Sections 01110 & 09920.	1	LS	\$31,475.00	\$31,475.00
<b>BASE BID ADDITIVE ALTERNATE No.1</b>					
Thirty one thousand four hundred sevety five (Words)				Dollars & no/cents	\$31,475.00 (Figures)

### **Base Bid, Additive Alternate No. 2 – Well No. 6 & 8 Contact Tank Piping Insulation**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
B.1	Existing Contact Tank Piping Insulation, per specification Sections 00110 and 01110.	1	LS	\$7,400.00	\$7,400.00
<b>BASE BID ADDITIVE ALTERNATE No. 2</b>					
Seven thousand four hundred (Words)				Dollars & no/cents	\$7,400.00 (Figures)

**Base Bid, Additive Alternate No. 3 – Well No. 4 Contact Tank Tiger Mural Painting**

<u>Item No.</u>	<u>Item Description</u>	<u>Est. Qty.</u>	<u>Unit</u>	<u>Unit Price</u> \$	<u>Extension Figure</u> \$
C.1	Replace existing Tiger Mural on Well No. 4 Tank after final coating is applied, per specifications Sections 00110 and 01110.	1	LS	\$6400.00	\$6400.00

**BASE BID ADDITIVE ALTERNATE No. 2**

Six thousand four hundred	Dollars & no/cents	\$6400.00
(Words)		(Figures)

The undersigned hereby agrees to enter into Contract on the attached Agreement Form and furnish the necessary bond within fifteen (15) consecutive calendar days from the receipt of Notice of Award from the Owner's acceptance of this Bid, and to complete said Work within the indicated number of consecutive calendar days from the thirtieth day after the Effective Date of the Agreement, or if a Notice to Proceed is given, from the date indicated in the Notice to Proceed.

If this Bid is accepted and should Bidder for any reason fail to sign the Agreement within fifteen (15) consecutive calendar days as above stipulated, the Bid Security which has been made this day with the Owner shall, at the option of the Owner, be retained by the Owner as liquidated damage for the delay and expense caused the Owner; but otherwise, it shall be returned to the undersigned in accordance with the provisions set forth in the Instructions to Bidders, paragraph 6.0 Bid Security.

Dated at 12:02 pm this 27th day of March, 2023.

LICENSE or CERTIFICATE NUMBER, if applicable \_\_\_\_\_

FILL IN THE APPROPRIATE SIGNATURE AND INFORMATION BELOW:

**IF AN INDIVIDUAL:** \_\_\_\_\_ Doing Business As  
Signature and Title  
\_\_\_\_\_  
Name of Firm

Business Address of Bidder: \_\_\_\_\_  
\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A PARTNERSHIP:** \_\_\_\_\_  
Name of Partnership  
\_\_\_\_\_  
Member of Firm

Business Address of Bidder: \_\_\_\_\_  
\_\_\_\_\_  
Telephone No. \_\_\_\_\_

.....  
**IF A CORPORATION:** Hogan's Inc  
Name of Corporation  
By [Signature] Vice President  
Signature & Title

ATTEST:

[Signature]

(CORPORATE SEAL)

Business Address of Bidder: 2787 Carter Route M  
Van Buren Mo 63965  
Telephone No. 573-323-8214

If Bidder is a Corporation, supply the following information:

State in which Incorporated: Missouri

Name and Address of its: President John A Hogan Sr 2787 Carter Route M Van Buren Mo 63965

Secretary Frieda A Hogan 2787 Carter Route M Van Buren Mo 63965



00500 AGREEMENT

WELL NO. 2 AND WELL NO. 4 CONTACT TANK PAINTING  
for  
CITY OF SALEM, MISSOURI

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between \_\_\_\_\_ City of Salem \_\_\_\_\_, Party of the First Part and hereinafter called the Owner, and \_\_\_\_\_ Hogan's, Inc. \_\_\_\_\_ a \_\_\_\_\_ Corporation \_\_\_\_\_ of \_\_\_\_\_ 2787 Carter Route M; Van Buren, MO 63965 \_\_\_\_\_ Party of the Second Part and hereinafter called the Contractor.

WITNESSETH:

THAT WHEREAS, the Owner has caused to be prepared, in accordance with law, specifications, plans, and other contract documents for the work herein described and has approved and adopted said documents, and has caused to be published, in the manner and for the time required by law, an advertisement for and in connection with the construction of the improvements, complete, in accordance with the contract documents and the said plans and specifications; and

WHEREAS, the Contractor, in response to such advertisement, has submitted to the Owner, in the manner and at the time specified, a sealed bid in accordance with the terms of said advertisement;

WHEREAS, the Owner, in the manner prescribed by law, has publicly opened, examined and canvassed the bids submitted in response to the published advertisement therefore, and as a result of such canvass has determined and declared the aforesaid Contractor to be the lowest responsive and responsible Bidder for the said work and has duly awarded to the said Contractor a contract therefore, for the sum or sums named in the Contractor's bid, a copy thereof being attached to and made a part of this contract.

NOW, THEREFORE, in consideration of the compensation to be paid to the Contractor and of the mutual agreements herein contained, the Parties to these presents have agreed and hereby agree, the Owner for itself and its successors, and the Contractor for its, his, or their executors and administrators, as follows:

ARTICLE I. That the Contractor shall (a) furnish all tools, equipment, supplies, superintendence, transportation, and other construction accessories, services and facilities; (b) furnish all materials, supplies and equipment specified and required to be incorporated in and form a permanent part of the completed work except the items specified to be furnished by the Owner; (c) provide and perform all necessary labor; and (d) in a good, substantial, and workmanlike manner and in accordance with the provisions of the contract attached hereto and make a part hereof, and in conformance with the contract plans and specifications designated and identified therein, execute, construct, and complete all work included in and covered by the Owner's official award of this contract to the said Contractor, such award being based on the acceptance by the Owner of the Contractor's bid for the construction of the improvements.

It is further stipulated that not less than the prevailing rate of wages as found by the Department of Labor and Industrial Relations of the State of Missouri or determined by the courts of appeal shall be paid to all workmen performing work under this Contract.

SIGNATURE:

ATTEST:

Owner, Party of the First Part

Name and Title

By \_\_\_\_\_  
(Name and Title)

(SEAL)

LICENSE or CERTIFICATE NUMBER, if applicable \_\_\_\_\_

SIGNATURE OF CONTRACTOR:

**IF AN INDIVIDUAL OR PARTNERSHIP**

Contractor, Party of the Second Part

By \_\_\_\_\_  
(Name and Title)

**IF A CORPORATION**

Contractor, Party of the Second Part

ATTEST:

Secretary

(CORPORATE SEAL)

STATE OF Missouri  
COUNTY OF Carter

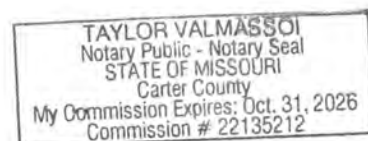
On This 1 day of May, 2023, before me appeared Heath Hogan  
to me personally known who, being by me duly sworn, did say that he is the Vice President of  
Hogan's Inc and that the seal affixed to said instrument is the corporate seal of  
said corporation by authority of its board of directors, and said Vice President  
acknowledged said instrument to be the free act and deed of said corporation.

(SEAL)

My Commission Expires

10/31/26

Notary Public Within and For Said  
County and State



**AUTHORIZATION TO INSERT DATE INTO**  
**CONTRACT BONDS**

April 25, 2023

To: City of Salem

RE: Hogan's, Inc.  
Authority to Date Contract Bonds – **Bond No: 7445152**

To Whom It May Concern:

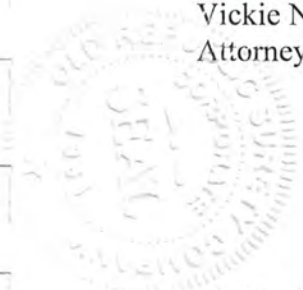
This letter gives you the authority to date the five (5) Performance, Payment, and Maintenance Bonds attached to match the date that you enter into Contract with Hogan's, Inc. for the project named: **Well No. 2 and Well No. 4 - Contact Tank Painting**. You will also need to date the Power of Attorneys to match the contract date. When this is completed please forward to me, at the address noted below, a copy of the signed and dated bonds along with the Power of Attorney.

I appreciate your assistance in this matter.

Sincerely,



Vickie Nickel  
Attorney-In-Fact



Vickie J. Nickel, Account Executive  
vnickel@ckcins.com Phone: 913-754-0191  
Cornerstone Kansas City  
10561 Barkley St., Suite 200  
Overland Park, KS 66212





# OLD REPUBLIC SURETY COMPANY

## POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint: **VICKIE NICKEL, DAVID PARKHURST, SAMUEL T. BOWLBY, SHAWN BYRNE, REBECCA A. LILLEY,**  
**KERRY A. SHERROD** of OVERLAND PARK, CO

its true and lawful Attorney(s)-in-Fact, with full power and authority for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, **(other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, or black lung bonds),** as follows:

### ALL WRITTEN INSTRUMENTS

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
- (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
- (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.


RESOLVED FURTHER that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 2nd day of December, 2022.

  
 Assistant Secretary



OLD REPUBLIC SURETY COMPANY

  
 President

STATE OF WISCONSIN, COUNTY OF WAUKESHA - SS

On this 2nd day of December, 2022, personally came before me, Alan Paylic and Karen J. Haffner, to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say: that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.



  
 Notary Public

My Commission Expires: September 28, 2026

(Expiration of notary's commission does not invalidate this instrument)

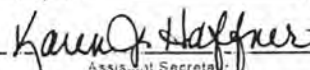
### CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

40-1743



Signed and sealed at the City of Brookfield, WI this 25th day of April, 2023

  
 Assistant Secretary

GRSC 22262 (3-08)

CORNERSTONE KANSAS CITY, LLC.

Bond No. 7445152

**00611 PERFORMANCE BOND**

KNOW ALL PERSONS BY THESE PRESENTS: That \_\_\_\_\_

\_\_\_\_\_  
Hogan's, Inc.  
(Name of Contractor)

\_\_\_\_\_  
2787 Carter Route M, Van Buren, MO 63965  
(Address of Contractor)

a \_\_\_\_\_ Corporation \_\_\_\_\_ hereinafter called Principal, and  
(Corporation, Partnership, or Individual)

\_\_\_\_\_  
Old Republic Surety Company  
(Name of Surety)

\_\_\_\_\_  
PO Box 1635, Milwaukee, WI 53201-1635  
(Address of Surety)

hereinafter called Surety, are held and firmly bound unto \_\_\_\_\_

\_\_\_\_\_  
City of Salem, Missouri  
(Name of Owner)

\_\_\_\_\_  
400 North Iron, Salem, MO 65560  
(Address of Owner)

hereinafter called OWNER in the total aggregate penal sum of SIXTY EIGHT THOUSAND THREE  
HUNDRED TWENTY NINE DOLLARS AND NO/100 Dollars (\$ 68,329.00 )

in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the PRINCIPAL entered into a certain contract with the OWNER, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, a copy of which is hereto attached and made a part hereof for the construction of:

\_\_\_\_\_  
Salem Well No. 2 and Well No. 4 Contact Tank Painting

\_\_\_\_\_  
Base Bid, Additive Alternate No. 1 and Additive Alternate No. 2

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the SURETY and during the guaranty period and if the PRINCIPAL shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void, otherwise to remain in full



force and effect.

PROVIDED, FURTHER, that said SURETY, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying same shall in any way affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that it is expressly agreed that the BOND shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon amendment to the contract not increasing the contract price more than 50 percent, so as to bind the PRINCIPAL and the SURETY to the full and faithful performance of the CONTRACT so amended. The term "Amendment," wherever used in this BOND, and whether referring to this BOND or the Contract, shall include any alteration, addition, extension, or modification of any character whatsoever.

PROVIDED, FURTHER, that no final settlement between the OWNER and the PRINCIPAL shall abridge the right of the other beneficiary hereunder, whose claim may be unsatisfied. The OWNER is the only beneficiary hereunder.

IN WITNESS WHEREOF, this instrument is executed in five (5) counterparts, each one of which shall be  
Number

deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

ATTEST:

Frieda A. Hogan  
(Principal) Secretary

(SEAL)

Heath Hogan  
(Witness as to Principal)

2787 Carter Rt M  
(Address)

Van Buren Mo 63965

Hogan's, Inc.

Principal

By [Signature] V.P. (s)  
2787 Carter Rt. M

VanBuren, MO 63965

(Address)

Old Republic Surety Company

Surety

ATTEST:

[Signature]  
(Witness to Surety) Shawn Byrne

10561 Barkley St., Suite 200

(Address)

Overland Park, KS 66212

By Vickie Nickel  
Vickie Nickel Attorney-in-Fact

10561 Barkley St., Suite 200

(Address)

Overland Park, KS 66212

NOTE:

1. Date of BOND must not be prior to date of contract.
2. If CONTRACTOR is partnership, all partners should execute BOND.
3. Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the Project is located.
4. Accompany this bond with Attorney-in-Fact's Authority from the Surety Company certified to include the date of the bond.

Bond No. 7445152

**00612 PAYMENT BOND**

KNOW ALL PERSONS BY THESE PRESENTS: That \_\_\_\_\_

\_\_\_\_\_  
Hogan's, Inc.  
(Name of Contractor)

\_\_\_\_\_  
2787 Carter Route M; Van Buren, MO 63965  
(Address of Contractor)

a \_\_\_\_\_ Corporation \_\_\_\_\_ hereinafter called Principal, and  
(Corporation, Partnership, or Individual)

\_\_\_\_\_  
Old Republic Surety Company  
(Name of Surety)

hereinafter called Surety, are held and firmly bound unto \_\_\_\_\_

\_\_\_\_\_  
City of Salem, Missouri  
(Name of Owner)

\_\_\_\_\_  
400 North Iron; Salem, MO 65560  
(Address of Owner)

hereinafter called OWNER, and unto all persons, firms, and corporations who or which may furnish labor, or who furnish materials to perform as described under the contract and to their successors and assigns in the total aggregate penal sum of SIXTY EIGHT THOUSAND THREE HUNDRED TWENTY NINE DOLLARS AND NO/100 Dollars (\$ 68,329.00 ) in lawful money of the United States, for the payment of which sum will be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the PRINCIPAL entered into a certain contract with the OWNER, dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, a copy of which is hereto attached and made a part hereof for the construction of:

\_\_\_\_\_  
Salem Well No. 2 and Well No. 4 Contact Tank Painting

\_\_\_\_\_  
Base Bid, Additive Alternate No. 1 and Additive Alternate No. 2

NOW, THEREFORE, if the PRINCIPAL shall promptly make payment to all persons, firms, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided in such contract, and any authorized extensions or modifications thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and for all labor cost incurred in such WORK including that by a SUBCONTRACTOR, and to any mechanic or materialman lienholder whether it acquires its lien by operation of State or Federal law; then this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED, that beneficiaries or claimants hereunder shall be limited to the SUBCONTRACTORS, and persons, firms, and corporations having a direct contract with the PRINCIPAL or its SUBCONTRACTORS.

PROVIDED, FURTHER, that said SURETY, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any way affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of this contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no suit or action shall be commenced hereunder by any claimant: (a) Unless claimant, other than one having a direct contract with the PRINCIPAL, shall have given written notice to any two of the following: The PRINCIPAL, the OWNER, or the SURETY above named within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the PRINCIPAL, OWNER, or SURETY, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the aforesaid project is located, save that such service need not be made by a public officer. (b) After the expiration of one (1) year following the date of which PRINCIPAL ceased work on said CONTRACT, it being understood, however, that if any limitation embodied in the BOND is prohibited by any law controlling the construction hereof, such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.

PROVIDED, FURTHER, that it is expressly agreed that this BOND shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon amendment to the Contract not increasing the contract price more than 50 percent, so as to bind the PRINCIPAL and the SURETY to the full and faithful performance of the Contract as so amended. The term "Amendment," wherever used in this BOND and whether referring to this BOND or the Contract shall include any alteration, addition, extension or modification of any character whatsoever.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in Five (5) counterparts, each one of which shall be  
Number

deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

ATTEST:

Frieda A. Hogan  
(Principal) Secretary

(SEAL)

Keith Hogan  
(Witness as to Principal)  
2787 Carter Rt. M  
Address  
Van Buren Mo 63965

ATTEST:

Shawn Byrne  
(Witness to Surety) Shawn Byrne  
10561 Barkely St., Suite 200  
(Address)  
Overland Park, KS 66212

Hogan's, Inc.

Principal

By [Signature] (s)  
2787 Carter Rt. M, VanBuren, MO 63965  
(Address)

Old Republic Surety Company

Surety

By Vickie Nickel  
Vickie Nickel Attorney-in-Fact  
10561 Barkley St., Suite 200  
(Address)  
Overland Park, KS 66212

NOTE:

1. Date of BOND must not be prior to date of contract.
2. If CONTRACTOR is partnership, all partners should execute BOND.
3. Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the Project is located.
4. Accompany this bond with Attorney-in-Fact's Authority from the Surety Company certified to include the date of the bond.



Bond No. 7445152

**00613 MAINTENANCE BOND**

KNOW ALL PERSONS BY THESE PRESENTS: That \_\_\_\_\_

\_\_\_\_\_  
Hogan's, Inc.  
(Name of Contractor)

\_\_\_\_\_  
2787 Carter Route M; Van Buren, MO 63965  
(Address of Contractor)

a \_\_\_\_\_ Corporation \_\_\_\_\_ hereinafter called Principal, and  
(Corporation, Partnership, or Individual)

\_\_\_\_\_  
Old Republic Surety Company  
(Name of Surety)

hereinafter called Surety, are held and firmly bound unto \_\_\_\_\_

\_\_\_\_\_  
City of Salem, Missouri  
(Name of Owner)

\_\_\_\_\_  
400 North Iron Street, Salem, MO 65560  
(Address of Owner)

hereinafter called OWNER, and unto all persons, firms, and corporations who or which may furnish labor, or who furnish materials to perform as described under the contract and to their successors and assigns in the total aggregate penal sum SIXTY EIGHT THOUSAND THREE HUNDRED TWENTY NINE DOLLARS AND NO/100 Dollars (\$ 68,329.00 ) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, Whereas, on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_, the Principal entered into a written agreement with the OWNER, for the construction, reconstruction, or repair of certain public improvements as designated and described in the said agreement; and

Whereas, it was a condition of the contract award by the Owner that these presents be executed by the Principal and Surety aforesaid, and

Whereas, the Principal agrees to guarantee the work hereinabove described, including all materials and workmanship, for the period of one ( 1 ) year(s) beginning on the date the Owner so accepts said Work, said date being the formal acceptance date.

NOW, THEREFORE, if the Principal shall and will, in all particulars, well, duly, and faithfully observe, perform and abide by each and every covenant, condition and part of said written agreement and other Contract Documents and shall protect the Owner against all damages, losses and expenses which may occur to Owner, by reason of defective materials used, or by reason of defective workmanship done, and for the construction, reconstruction or repair of said public improvements, and settlement of backfill excavated areas.

IN WITNESS WHEREOF, this instrument is executed in Five (5) counterparts, each one of which shall be  
Number

deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

ATTEST:

*Finola A. Hogan*  
(Principal) Secretary

(SEAL)

*Heath Hogan*  
(Witness as to Principal)

2787 Carter Rt. M  
Van Buren Mo 63965  
(Address)

ATTEST:

*Shawn Byrne*  
(Witness to Surety) Shawn Byrne  
10561 Barkely St., Suite 200  
(Address)  
Overland Park, KS 66212

Hogan's, Inc.

Principal

By *[Signature]* (s)

2898 Carter Rt. M, VanBuren, MO 63965

(Address)

Old Republic Surety Company

Surety

By *Vickie Nickel*

Vickie Nickel Attorney-in-Fact

10561 Barkley St., Suite 200

(Address)

Overland Park, KS 66212

NOTE:

1. Date of BOND must not be prior to date of contract.
2. If CONTRACTOR is partnership, all partners should execute BOND.
3. Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the Project is located.
4. Accompany this bond with Attorney-in-Fact's Authority from the Surety Company certified to include the date of the bond.



# OLD REPUBLIC SURETY COMPANY

## POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint: **VICKIE NICKEL, DAVID PARKHURST, SAMUEL T. BOWLBY, SHAWN BYRNE, REBECCA A. LILLEY, KERRY A. SHERROD** of OVERLAND PARK, CO

its true and lawful Attorney(s)-in-Fact, with full power and authority for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, **(other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, or black lung bonds)**, as follows:

### ALL WRITTEN INSTRUMENTS

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary, or
- (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
- (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.


RESOLVED FURTHER that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 2nd day of December, 2022

  
Assistant Secretary



OLD REPUBLIC SURETY COMPANY

  
President

STATE OF WISCONSIN, COUNTY OF WAUKESHA - SS

On this 2nd day of December, 2022, personally came before me, Alan Pavlic and Karen J. Hafner, to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say: that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.



  
Notary Public

My Commission Expires: September 28, 2026

(Expiration of notary's commission does not invalidate this instrument)

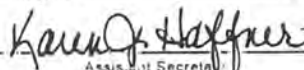
### CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

40-1743



Signed and sealed at the City of Brookfield, WI this \_\_\_\_\_ day of \_\_\_\_\_, 2023

  
Assistant Secretary

ORSC 22252 (3-06)

CORNERSTONE KANSAS CITY, LLC.





## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/1/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Becci McMahon
Cornerstone Kansas City, LLC	PHONE (A/C, No, Ext): (913) 378-1050
10561 Barkley St	FAX (A/C, No): (913) 378-0399
Suite 200	E-MAIL ADDRESS: certificates@ckcins.com
Overland Park KS 66212	INSURER(S) AFFORDING COVERAGE
INSURED	INSURER A: Employers Mutual Casualty Company
Hogan's Inc	INSURER B: American Interstate Ins Company
dba Hogan's Painting & Sandblasting	INSURER C:
2787 Carter Route M	INSURER D:
San Buren MO 63965	INSURER E:
	INSURER F:

COVERAGES CERTIFICATE NUMBER: CL22122932309 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER: as per written contract	X		6D50806	12/19/2022	12/19/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	X		6E50806	12/19/2022	12/19/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined single \$ 1,000,000
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X		6J50806	12/19/2022	12/19/2023	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	AVWCM03092152022	5/20/2022	5/20/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Leased/Rented Equipment			6C50806	12/19/2022	12/19/2023	LIMIT / DEDUCTIBLE 250,000 / 1,000
A	Installation Floater			6C50806	12/19/2022	12/19/2023	LIMIT / DEDUCTIBLE 100,000 / 1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of Salem and Archer Elgin Engineering are named as Additional Insured as respects the General, Auto and Umbrella Liability policies, as per written contract.

CERTIFICATE HOLDER	CANCELLATION
City of Salem 400 N. Iron St. Salem, MO 65560	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE David Parkhurst/BM

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CORD 25 (2014/01)

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IS025 (201401)

**AFFIDAVIT**

STATE OF MISSOURI )  
 ) ss  
COUNTY OF Carter )

(as required by Section 285.530, Revised Statutes of Missouri)

As used in this Affidavit, the following terms shall have the following meanings:

EMPLOYEE:

Any person performing work or service of any kind or character for hire within the State of Missouri

FEDERAL WORK AUTHORIZATION PROGRAM:

Any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, under the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603.

KNOWINGLY:

A person acts knowingly or with knowledge,

- a. with respect to the person's conduct or to attendant circumstances when the person is aware of the nature of the person's conduct or that those circumstances exist; or
- b. with respect to a result of the person's conduct when the person is aware that the person's conduct is practically certain to cause that result.

## UNAUTHORIZED ALIEN:

An alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. 1324a(h)(3).

BEFORE ME, the undersigned authority, personally appeared John A. Hogan, Sr.,  
who, being duly sworn, states on his oath or affirmation as follows:

1. My name is John A. Hogan, Sr. and I am currently the President of Hogan's, Inc., (hereinafter "Contractor"), whose business address is 2787 Carter Route M; Van Buren, MO 63965, and I am authorized to make this Affidavit.
2. I am of sound mind and capable of making this Affidavit, and am personally acquainted with the facts stated herein.
3. Contractor is enrolled in and participates in a federal work authorization program with respect to the employees working in connection with the following services contracted between Contractor and City of Salem, Missouri.
4. Contractor does not knowingly employ any person who is an unauthorized alien in connection with the contracted services set forth above.
5. Attached hereto is documentation affirming Contractor's enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services.

Further, Affiant saith not.



Dated at \_\_\_\_\_ this 1<sup>st</sup> day of May, 2023

LICENSE or CERTIFICATE NUMBER, if applicable \_\_\_\_\_

FILL IN THE APPROPRIATE SIGNATURE AND INFORMATION BELOW:

**IF AN INDIVIDUAL:** \_\_\_\_\_ Doing Business As

By \_\_\_\_\_  
Name of Firm  
Signature and Title

Business Address of Bidder: \_\_\_\_\_

Telephone No. \_\_\_\_\_

.....  
**IF A PARTNERSHIP:** \_\_\_\_\_

By \_\_\_\_\_  
Name of Partnership  
Signature and Title

Business Address of Bidder: \_\_\_\_\_

Telephone No. \_\_\_\_\_

.....  
**IF A CORPORATION:** \_\_\_\_\_

By \_\_\_\_\_  
Name of Corporation  
Signature & Title

ATTEST: Frieda A. Hogan (CORPORATE SEAL)

Business Address of Bidder: 2787 Carter RTM

Van Buren Mo 63965

Telephone No. 573 323 8214

If Bidder is a Corporation, supply the following information:

State in which Incorporated: Missouri

Name and Address of its: President Frieda Hogan 2787 Carter RTM Van Buren

Secretary Frieda Hogan 2787 Carter RTM Van Buren

**PLEASE NOTE:**

Acceptable enrollment and participation documentation consists of the following 2 pages of the E-Verify Memorandum of Understanding:

1. A valid, completed copy of the first page identifying the Contractor; and
2. A valid copy of the signature page completed and signed by the Contractor, and the Department of Homeland Security – Verification Division.



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## THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION MEMORANDUM OF UNDERSTANDING

### ARTICLE I

#### PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and **Hogans, Inc.** (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

### ARTICLE II

#### FUNCTIONS TO BE PERFORMED

##### A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.
3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).





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4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and aliens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

#### **B. RESPONSIBILITIES OF DHS**

1. After SSA verifies the accuracy of SSA records for aliens through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:

- Automated verification checks on alien employees by electronic means, and
- Photo verification checks (when available) on employees.

2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to provide to the Employer a manual (the E-Verify User Manual) containing instructions on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.

4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by alien employees with DHS's database.

6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of alien employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative





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nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.

8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

### **C. RESPONSIBILITIES OF THE EMPLOYER**

1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.

3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.

A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify, including any tutorials for Federal contractors if the Employer is a Federal contractor.

B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

- If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.
- If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.





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6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.

7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after both sections 1 and 2 of the Form I-9 have been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. In all cases, the Employer must use the SSA verification procedures first, and use DHS verification procedures and photo screening tool only after the SSA verification response has been given. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees of the finding, providing written referral instructions to employees, allowing employees to contest the finding, and not taking





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adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(i)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as





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authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

#### **D. RESPONSIBILITIES OF FEDERAL CONTRACTORS**

1. The Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801) in addition to verifying the employment eligibility of all other employees required to be verified under the FAR. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. Federal contractors not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States, whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor, the Employer must initiate verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

b. Federal contractors already enrolled at the time of a contract award: Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must initiate verification of each employee assigned to the





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contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

c. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.

d. Verification of all employees: Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.

e. Form I-9 procedures for Federal contractors: The Employer may use a previously completed Form I-9 as the basis for initiating E-Verify verification of an employee assigned to a contract as long as that Form I-9 is complete (including the SSN), complies with Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor.

2. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.



### **ARTICLE III**

#### **REFERRAL OF INDIVIDUALS TO SSA AND DHS**

##### **A. REFERRAL TO SSA**

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation.

2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

##### **B. REFERRAL TO DHS**

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation.

2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible





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after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (furnished and paid for by DHS).

7. The Employer understands that if it cannot determine whether there is a photo match/non-match, the Employer is required to forward the employee's documentation to DHS by scanning and uploading, or by sending the document as described in the preceding paragraph, and resolving the case as specified by the Immigration Services Verifier at DHS who will determine the photo match or non-match.

#### **ARTICLE IV**

##### **SERVICE PROVISIONS**

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access the E-Verify System, an Employer will need a personal computer with Internet access.

#### **ARTICLE V**

##### **PARTIES**

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require employers to take





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mandatory refresher tutorials. An Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor must provide written notice to DHS. If an Employer that is a Federal contractor fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.

C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.



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To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Hogans, Inc.

**Frieda A Hogan**

Name (Please Type or Print)

Title

*Electronically Signed*

Signature

07/14/2009

Date

Department of Homeland Security – Verification Division

**USCIS Verification Division**

Name (Please Type or Print)

Title

*Electronically Signed*

Signature

07/14/2009

Date





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### Information Required for the E-Verify Program

#### Information relating to your Company:

Company Name: Hogans, Inc.

Company Facility Address: HCR #2 BOX 2258

Van Buren, MO 63965

Company Alternate  
Address:

County or Parish: CARTER

Employer Identification

Number: 431735127

North American Industry  
Classification Systems

Code: 238

Parent Company:

Number of Employees: 10 to 19

Number of Sites Verified

for: 1

**Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:**

- MISSOURI 1 site(s)



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**Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:**

Name: **Heath B Hogan**  
Telephone Number: **(573) 323 - 8214**  
E-mail Address: **hogans@semo.net**

Fax Number: **(573) 323 - 8728**

Name: **Frieda A Hogan**  
Telephone Number: **(573) 323 - 8214**  
E-mail Address: **hogans@semo.net**

Fax Number: **(573) 323 - 8728**

Name: **John A Hogan**  
Telephone Number: **(573) 323 - 8214**  
E-mail Address: **hogans@semo.net**

Fax Number: **(573) 323 - 8728**



00621 APPLICATION FOR PAYMENT NO. \_\_\_\_\_

To: \_\_\_\_\_

From: \_\_\_\_\_

Contract: Salem Well No. 2 and Well No. 4 Contact Tank Painting

Project: 19072111-17

OWNER's Contract No. \_\_\_\_\_ ENGINEER's Project No. \_\_\_\_\_

For Work accomplished through the date of: \_\_\_\_\_

1.	Original Contract Price:	\$	_____
2.	Net Change Orders and Written Amendments (+ or -):	\$	_____
3.	Current Contract Price (1 plus 2):	\$	_____
4.	Total completed and stored to date:	\$	_____
5.	Retainage (per Agreement):		
	5.0% of completed Work:	\$	_____
	5.0% of stored material:	\$	_____
6.	Total completed and stored to date less retainage (4 minus 5)	\$	_____
7.	Less previous Application for payments:	\$	_____
8.	<b>DUE THIS APPLICATION (6 MINUS 7):</b>	<b>\$</b>	_____

Accompanying Documentation: \_\_\_\_\_

CONTRACTOR'S Certification:

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_\_\_ inclusive; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

Dated: \_\_\_\_\_

CONTRACTOR

By: \_\_\_\_\_

State of: \_\_\_\_\_

County of: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_

day of \_\_\_\_\_,

Notary Public

My Commission expires: \_\_\_\_\_

Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated: \_\_\_\_\_

ENGINEER

By: \_\_\_\_\_

Application No. \_\_\_\_\_ Date \_\_\_\_\_

	Item	Unit Price \$	Estimated Quantity	Schedule of Values Amount \$	Quantity Completed	Amount \$	%	Material Stored \$	Amount Completed and Stored \$
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									
11.									
12.									
13.									
14.									
15.									
16.									
17.									
18.									
19.									
20.									
TOTAL									

00622 REQUEST FOR INTERPRETATION

WELL NO. 2 AND WELL NO. 4 CONTACT TANK PAINTING  
for  
CITY OF SALEM, MISSOURI

RFI NO. \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

THIS REQUEST BY: \_\_\_\_\_  
(Name of the Contractor's Representative)

REFERENCE: DIVISION \_\_\_\_\_ SECTION \_\_\_\_\_ PLAN SHEET NO. \_\_\_\_\_

DESCRIPTION OF INTERPRETATION

ATTACHMENTS: \_\_\_\_\_

INTERPRETATION BY: \_\_\_\_\_ DATE: \_\_\_\_\_

ATTACHMENTS: \_\_\_\_\_

**CAUTION:** THE GENERAL CONDITIONS SPECIFY THAT IF THE CONTRACTOR BELIEVES THIS INTERPRETATION OR CLARIFICATION JUSTIFIES AN INCREASE IN CONTRACT PRICE OR CONTRACT TIME, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK INVOLVED. FURTHER, IF THE CONTRACTOR IS AUTHORIZED BY THE ENGINEER TO PROCEED WITH THE WORK INVOLVED BEFORE FULL AGREEMENT IS REACHED ON WHETHER ANY INCREASES ARE DUE AT ALL, OR IF ANY DETERMINED TO BE DUE, ON THE EXTENT OF ANY SUCH INCREASES, THE CONTRACTOR SHALL FURNISH TO THE ENGINEER ACTUAL COST RECORDS, AS SPECIFIED IN THE GENERAL CONDITIONS, ON A DAILY BASIS.

CC: \_\_\_\_\_

00623 LIEN WAIVER

RELEASE AND WAIVER OF MECHANICS AND  
MATERIALMENS LIENS FOR SUBCONTRACTORS  
MATERIAL AND EQUIPMENT SUPPLIERS  
EMPLOYED BY THE CONTRACTOR

**PROJECT:** Well No. 2 and Well No. 4 Contact Tank Painting

**OWNER:** City of Salem, Missouri

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

\_\_\_\_\_ is \_\_\_\_\_  
(Name) (Title)

of \_\_\_\_\_  
(Company Name)

and is familiar with the facts herein stated;

That said person or Company (hereinafter referred to as subcontractor/supplier) performed work, labor, services and/or furnished material for the work as defined in the Contract Documents, as defined in the agreement between the said Owner and \_\_\_\_\_

\_\_\_\_\_ (Name of General Contractor)  
(hereinafter referred to as contractor) for the said project.

That said subcontractor/supplier, has been paid \$ \_\_\_\_\_ by the said Contractor under the terms and conditions of its contract and/or purchase orders including labor, material and equipment furnished by it through \_\_\_\_\_, 20\_\_\_\_, the receipt and sufficiency of which is hereby acknowledged, the undersigned does hereby waive all liens and claims which it may have against the above project/property through the aforesaid date, and further, the undersigned represents that no other person or party has any right to a lien on the above project/property on account of any work performed or materials furnished to said subcontractor/supplier, or person, under its contract and/or purchase orders.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
(Name of Subcontractor/Supplier)

By: \_\_\_\_\_

Title: \_\_\_\_\_

Subscribed and sworn to before me, the undersigned Notary Public within and for the State of \_\_\_\_\_ and the County of \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, in the City of \_\_\_\_\_.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public within and for said County and State

## 00625 MISSOURI PROJECT EXEMPTION CERTIFICATE

Authorization For Purchasing Construction Materials for Tax Exempt Project  
(The Form and Content of this Exemption Certificate have been approved by the Missouri Department of Revenue)

### EXEMPT ENTITY ISSUING CERTIFICATE

Name: City of Salem

Address: 400 North Iron Street

City/State/Zip: Salem, MO 65560

MO Tax Exempt I.D. #: \_\_\_\_\_ Letter Expiration Date: \_\_\_\_\_

Contract Date: \_\_\_\_\_ Certificate Expiration Date: \_\_\_\_\_

Project # Assigned: 19072111-17 Revised Expiration Date: \_\_\_\_\_

Project Description: Well No. 2 and Well No. 4 Contact Tank Painting

Project Location: Salem, Missouri

Estimated Project Completion Date: \_\_\_\_\_

Auth. Signature: \_\_\_\_\_ Date: \_\_\_\_\_

The Missouri exempt entity named above hereby authorizes the purchase, without sales tax, of tangible personal property to be incorporated or consumed in the construction of the project identified herein and no other, pursuant to Section 144.062 RSMo.

### PURCHASING CONTRACTOR OR SUBCONTRACTOR

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

## INSTRUCTIONS

**EXEMPT ENTITY** - A signed copy of this certificate, along with your MO Tax Exemption Letter, must be furnished to each contractor and/or subcontractor who will be purchasing tangible personal property for use in the project. It is the exempt entity's responsibility to ensure the validity of the certificate. You must issue a certificate with a Revised Expiration Date if purchases will be required to complete the project beyond the original Project Exemption Date.

**CONTRACTOR OR SUBCONTRACTOR** - The contractor shall furnish a completed copy of this exemption certificate, along with a copy of the exempt entity's MO Tax Exemption Letter, to all subcontractors, and any contractor or subcontractor purchasing materials shall present copies of such documents to all material suppliers as authorization to purchase, on behalf of the exempt entity, all tangible personal property and materials to be incorporated or consumed in the construction of that project and no other on a tax-exempt basis. A copy of each certificate must be retained by the purchaser for a period of five years.

**MATERIAL SUPPLIER** - A completed copy of this exemption certificate, along with the MO Tax Exemption Letter of the exempt entity contracting for the project, must be obtained from the contractor or subcontractor making purchases of tangible personal property for use in the project, and retained for audit purposes. Invoices issued for such purchases must reflect the name of the exempt entity and the project number assigned by the exempt entity shown above.

PEC-8/94



**01000 DIVISION 1**

**SPECIFICATIONS**

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**GENERAL REQUIREMENTS**

- 01110 - SUMMARY OF WORK
- 01230 - ALTERNATES



**SECTION 01110**  
**SUMMARY OF WORK**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Project name is "Contact Tank Painting", for the City of Salem, Missouri.

**1.02 WORK COVERED BY CONTRACT DOCUMENTS**

**Base Bid – Well No. 4 Contact Tank Painting**

Project involves the removal of the existing tank coating, appropriate surface preparation and profiling, and application of specified coating systems to the interior and exterior of an existing 10 FT Diameter, 18 FT long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tank for potable water. Once the coating system has been installed, chemical disinfection of the tank interior shall be performed. Additionally, a new 24 IN diameter permanent manway access and feed/discharge piping insulation system shall be installed. Exterior piping (2 total) connected to Well No. 4 will be insulated with the following criteria: three (3) inch thick expanded polystyrene foam insulation attached to existing ductile iron pipe and covered with galvanized steel, rigid jacket. Jacket shall be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and the finish shall be smooth (Galvalume, or approved equal). All jacketing shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation. Jacket shall have a thickness of 0.016 IN. The existing drain valve will also need replaced with a globe valve with a valve keyed handle.

**Base Bid, Additive Alternate No. 1 - Well No. 2 Contact Tank Painting**

Project involves the removal of the existing tank coating, appropriate surface preparation and profiling, and application of specified coating systems to the interior and exterior of an existing 10 FT Diameter, 18 FT long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tank for potable water. Once the coating system has been installed, chemical disinfection of the tank interior shall be performed. Additionally, a new 24 IN diameter permanent manway access shall be installed.

**1.03 WORK BY OWNER**

- A. The Owner has not scheduled other construction activities for the duration of this project.

**1.04 OWNER OCCUPANCY**

- A. Owner's personnel will continue to operate and maintain the existing facilities throughout the Project work. Contractor shall coordinate his activities with the Owner and his representative in such a manner as to assure minimum interference.

**1.05 OWNER-FURNISHED EQUIPMENT**

- A. None

## **1.06 SALVAGED MATERIALS**

- A. None

## **PART 2 PRODUCTS (NOT APPLICABLE)**

## **PART 3 EXECUTION**

### **3.01 WORK RESTRICTIONS**

- A. General: The Contractor shall limit his use of the premises to the work indicated, so as to allow for Owner occupancy and use by the public.
- B. Use of the Site: Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to site rules and regulations affecting the work while engaged in project construction.
  - 1. Keep existing driveways and roadways open to traffic at all times. Coordinate open cut crossings of roads to allow at least one lane of through traffic at all times.
  - 2. Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to a maximum of 1/3 of the site. If additional storage is necessary, obtain and pay for such storage off site.
  - 3. Lock automotive-type vehicles, such as passenger cars and trucks and other mechanized or motorized equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place.

### **3.02 WORK SEQUENCE:**

- A. General: Construction sequence shall be in accordance with requirements herein subject to Owner's need for continuous operation of existing facilities:
  - 1. Minimize number of times and total time a tank is out of service.
  - 2. Contractor shall submit a proposed construction schedule to the Owner for consideration prior to starting the work.
- B. Coordination: The Contractor shall be required to provide at least a seventy-two (72) hour notification of the shut down of any facilities necessary for him to perform his work. He shall also provide to the Owner, at least 2-3 weeks in advance, a written plan of work which identifies the stages, length of shutdown time, and other contingency plans for review and approval by the Engineer and Owner.

END OF SECTION

## **SECTION 01230**

### **ALTERNATES**

#### **PART 1 GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Submission and Acceptance Procedures for Alternate Bids.
- B. List and Description of Each Alternate.

##### **1.02 SUBMISSION PROCEDURES**

- A. Bids for Alternates shall be submitted in the Bid Form.

##### **1.03 ACCEPTANCE PROCEDURES**

- A. Contract shall be awarded to the lowest Base Bid submitted by a responsive, responsible bidder.
- B. Base Bid Additive Alternate No. 1 shall be approved for award by the Owner to the selected low Base Bid based upon City budget allowances.

##### **1.04 BASE BID, ADDITIVE ALTERNATE NO. 1**

- A. Work to be performed at Well No. 2 site. Alternate consists of an additive price for the removal of the existing tank coating, appropriate surface preparation and profiling, and application of specified coating systems to the interior and exterior of an existing 10 FT Diameter, 18 FT long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tank for potable water. Once the coating system has been installed, chemical disinfection of the tank interior shall be performed. Additionally, a new 24 IN diameter permanent manway access shall be installed

#### **PART 2 PRODUCTS (NOT APPLICABLE)**

#### **PART 3 EXECUTION (NOT APPLICABLE)**

END OF SECTION





**DIVISION 5**  
**TECHNICAL SPECIFICATIONS**

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**METALS**

05500 - METAL FABRICATIONS



**SECTION 05500**  
**METAL FABRICATIONS**

**PART 1 GENERAL**

**1.01 DESCRIPTION OF WORK**

- A. Definition: Metal fabrications include items made from iron, steel, or aluminum shapes, plates, bars, strips, tubes, pipes and castings which are not part of structural steel or other metal systems specified elsewhere.
- B. Extent of metal fabrications is indicated on drawings and schedules.
- C. Types of work in this section include but is not limited to metal fabrications for:
  - Ladders.
  - Stairs,
  - Loose bearing and leveling plates.
  - Miscellaneous steel or aluminum trim.
  - Shelf and ledge angles.
  - Metal bar grating.
  - Floor plate.
  - Weld-in Manway for Steel Pressure Tank Access
- D. Structural steel is specified in another section within Division 5.
- E. Related work specified elsewhere:
  - 1. Concrete anchors specified in Division 3.
  - 2. 08311, Access Doors with Safety Grating.

**1.02 SUBMITTALS**

- A. Product Data: Submit manufacturer's specifications, anchor details and installation instructions for products used in miscellaneous metal fabrications, including paint products and grout.
- B. Shop Drawings:
  - 1. See Specification Section 01330 for requirements for details of the submittal process.
  - 2. Fabrication and/or layout drawings and details:
    - a. Submit drawings for all fabrications and assemblies. Include erection drawings, plans, sections, details and connection details.
    - b. Identify materials of construction, shop coatings and third party accessories.
  - 3. Product technical data including:
    - a. Acknowledgement that products submitted meet requirements of standards referenced.
    - b. Manufacturer's installation instructions.
    - c. Provide manufacturer's standard allowable load tables for the following:

- i. Grating and checkered plate.
  - ii. Expansion anchor bolts.
  - iii. Adhesive anchor bolts.
  - iv. Castings, trench covers and accessories.
  - v. Metal (Modular) framing systems.
  - vi. Alternating tread stairs.
- 4. Contractor designed systems and components, including but not limited to, stairs, landings and ladders:
  - a. Certification that manufactured units meet all design loads specified.
  - b. Shop Drawings and engineering design calculations:
    - i. Indicate design live loads.
    - ii. Sealed by a professional structural engineer.
    - iii. Engineer will review for general compliance with Contract Documents.
- C. Miscellaneous Submittals:
  - a. See Specification Section 01330 for requirements for details of the submittal process.
  - b. Certification of welders and welding processes. Indicated compliance with AWS

### **1.03 QUALITY ASSURANCE**

- A. Referenced Standards:
  - 1. Aluminum Association (AA):
    - a. ADM-1, Aluminum Design Manual.
    - b. 45, Designation System for Aluminum Finishes.
  - 2. American Institute of Steel Construction (AISC):
    - a. Manual of Steel Construction - Allowable Stress Design (ASD).
    - b. 360, Specifications for Structural Steel Buildings (referred to herein as AISC Specification).
  - 3. American National Standards Institute (ANSI):
    - a. A14.3, Ladders - Fixed - Safety Requirements.
  - 4. ASTM International (ASTM):
    - a. A6, Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling.
    - b. A36, Standard Specification for Carbon Structural Steel.
    - c. A48, Standard Specification for Gray Iron Castings.
    - d. A53, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
    - e. A108, Standard Specification for Steel Bars, Carbon and Alloy, Cold Finished.



- f. A123, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- g. A153, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- h. A307, Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.
- i. A325, Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength.
- j. A496, Standard Specification for Steel Wire, Deformed, for Concrete Reinforcement.
- k. A666, Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- l. A780, Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
- m. A992, Standard Specification for Steel for 1 Structural Shapes.
- n. B26, Standard Specification for Aluminum-Alloy Sand Castings.
- o. B209, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- p. B221, Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- q. B308, Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles.
- r. B429, Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube.
- s. B632, Standard Specification for Aluminum-Alloy Rolled Tread Plate.
- t. F467, Standard Specification for Nonferrous Nuts for General Use.
- u. F468, Standard Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use.
- v. F593, Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.
- w. F594, Standard Specification for Stainless Steel Nuts.
- x. F1554, Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength.
- 5. American Welding Society (AWS):
  - a. A5.1, Standard Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding.
  - b. D1.1, Structural Welding Code Steel.
  - c. D1.2, Structural Welding Code Aluminum.
- 6. National Association of Architectural Metal Manufacturers (NAAMM):
  - a. AMP 510, Metal Stairs Manual.
  - b. MBG 531, Metal Bar Grating Manual.
- 7. Occupational Safety and Health Administration (OSHA):
  - a. 29 CFR 1910, Occupational Safety and Health Standards, referred to herein as OSHA Standards.

8. Building code:
  - a. International Code Council (ICC):
    - i. International Building Code and associated standards, 2003 Edition including all amendments, referred to herein as Building Code.
- B. Qualifications:
  1. Qualify welding procedures and welding operators in accordance with AWS. Fabricator shall have minimum of 10 years experience in fabrication of metal items specified.
  2. Engineer for contractor-designed systems and components: Professional structural engineer licensed in the State of Missouri.
- C. Shop Assembly: Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinate installation.
- D. Definitions
  1. Installer or Applicator
    - a. Installer or applicator is the person actually installing or applying the product in the field at the project site. The terms installer and applicator are synonymous.
  2. Hardware: As defined in ASTM A153.
  3. Galvanizing: Hot-dip galvanizing per ASTM A123 or ASTM A153 with minimum coating of 2.0 Oz. of zinc primer per square foot of metal (average of specimens) unless otherwise noted or dictated by applicable referenced standards.

## **PART 2 PRODUCTS**

### **2.01 ACCEPTABLE MANUFACTURERS**

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
  1. Abrasive stair nosings (embedded in concrete stairs):
    - a. American Safety Tread.
    - b. Balco.
    - c. Or approved equal.
  2. Headed studs and deformed bar anchors:
    - a. Nelson Stud Welding Div., TRW Inc.
    - b. Stud Welding Products, Inc.
    - c. Or approved equal.
  3. Expansion anchor bolts:
    - a. Hilti Inc.
    - b. ITW Ramset/Red Head.
    - c. Simpson Strongtie.
    - d. Or approved equal.

4. Epoxy adhesive anchor bolts:
  - a. Hilti Inc.
  - b. ITW Ramset/Red Head.
  - c. Simpson Strongtie.
  - d. Or approved equal.
5. Aluminum ladders:
  - a. Any manufacturer capable of meeting the requirements of this Specification Section.
6. Galvanizing repair paint:
  - a. ZRC Products.
  - b. Or approved equal.
7. Metal (Modular) framing system:
  - a. Unistrut Building Systems.
  - b. B-Line Systems.
  - c. Kindorf.
  - d. Metal Products Div., USG Industries, Inc.
  - e. Mono-Systems, Inc.
  - f. Superstrut.
  - g. Or approved equal.
8. Ladder safety extension post:
  - a. Bilco.
  - b. Or approved equal.
9. Alternating tread stair:
  - a. Imperial Ornamental Metals.
  - b. Lapeyre Stair.
  - c. Or approved equal.
10. Ladder fall protection system:
  - a. DBI/SALA.
  - b. Miller Equipment.
  - c. North Specialty Products.
  - d. Or approved equal.
11. Ladder security door:
  - a. O'Keeffe's, Inc.
  - b. Or approved equal.
12. Manway for steel tank access
  - a. Tomcat Consultants, Llc.
  - b. Or approved equal.

B. Submit request for substitution in accordance with Specification Section 01640.

## **2.01 MATERIALS**

### **A. Ferrous Metals:**

1. Metal Surfaces, General: For fabrication of miscellaneous metal work which will be exposed to view, use only materials which are smooth and free of surface blemishes including pitting, seam marks, roller marks, rolled trade names and roughness.
2. Structural
  - a. W-shapes and WT-shapes: ASTM A992, Grade 50
  - b. All other plates and rolled sections: ASTM A36.
3. Pipe: ASTM A53, Types E or S, Grade B or ASTM A501
4. Structural Tubing: ASTM A500, Grade B (46-ksi minimum yield).
5. Bolts, Nuts and washers: ASTM A325. Provide 2 washers with all bolts.
6. Welding Electrodes: AWS D1.1. E70 Series.

### **B. Stainless Steel**

1. Minimum Yield strength of 30,000-psi and minimum tensile strength of 70,000-psi.
  - a. Bars, shapes: ASTM A276, Type 304
  - b. Tubing and pipe: ASTM A269, ASTM A312 or ASTM A554, Type 304 or 316.
  - c. Strip, plate and flat bars: ASTM A666, Type 304 or 316, Grade A
  - d. Bolts and nuts: ASTM F593, ASTM F594, Type 303, 304 or 316.
2. Minimum yield strength of 25,000-psi and minimum tensile strength of 70,000-psi
  - a. Strip, plate and flat bar for welded connections, ASTM A666, Type 304L or 316L
3. Welding electrodes: In accordance with AWS for metal alloy being welded.

### **C. Aluminum:**

1. Alloy 6061-T6, 32,000 psi tensile yield strength minimum.
  - a. ASTM B221 and ASTM B308 for shapes including beams, channels, angles, tees and zees.
  - b. Weir plates, baffles and deflector plates, ASTM B209.
2. Alloy 6063-T5 or T6, 15,000 psi tensile yield strength minimum.
  - a. ASTM B221 and ASTM B429 for bars, rods, wires, pipes and tubes.
3. ASTM B26 for castings.
4. ASTM F468, alloy 2024 T4 for bolts.
5. ASTM F467, alloy 2024 T4 for nuts.
6. Electrodes for welding aluminum: AWS D1.2, filler alloy 4043 or 5356.

D. Washers: Same material and alloy as found in accompanying bolts and nuts.

### **E. Embedded Anchor Bolts:**

1. Building Anchor Bolts:
  - a. ASTM F1554, Grade 55 with weldability supplement S1 or ASTM A36 threaded galvanized rods.
  - b. ASTM A307, Grade A for headed bolts, galvanized.
2. All other anchor bolts: Type 304, 314 or 316.

F. Expansion Anchor Bolts and Adhesive Anchor Bolts:

1. Stainless steel, Type 304, 314 or 316.
2. Provide minimum edge distance cover and spacing as recommended by manufacturer, or as indicated on Drawings whichever is larger.
  - a. Minimum embedment as recommended by manufacturer or 8 DIA of bolt, whichever is larger.
  - b. Notify Engineer if required depth of embedment cannot be achieved at a particular anchor bolt location.
  - c. Follow manufacturer's recommendations for installation and torque.
3. Submit manufacturer's load test data to verify at least the anchor bolt capacities at the following embedment depths:
  - a. Data must be based on actual tests performed in unreinforced mass of concrete of not more than 4,000 psi compressive strength.
  - b. Capacity must be at a concrete temperature of at least 130 Deg F.

Anchor Diameter (in)	Bolt	Embedment (in)	Minimum Tension (Kip)(*)(**)	Ultimate capacity
3/8		3	4.8	
1/2		4	8.1	
5/8		5	11.4	
3/4		6	15.4	
7/8		7	20.0	
1		8	24.7	
1-1/4		10	34.3	

(\*) Data must be based on actual tests performed in unreinforced mass concrete not more than 4,000-psi compressive strength.

(\*\*) Capacity must be at a concrete temperature of at least 130 Deg F.

4. Expansion anchor bolts:
  - a. Kwik Bolt by Hilti, Inc.
  - b. Trubolt by ITW Ramset/Red Head.
  - c. Wedge-All by Simpson Strong-Tie.
5. Adhesive anchor bolts:
  - a. HVA Adhesive Anchor System by Hilti.
  - b. HIT HY 150 Adhesive Anchor by Hilti.



- c. HSE 2411 Epoxy Adhesive Anchor by Hilti.
  - d. EPCON Ceramic 6 Epoxy by ITW Ramset/Red Head.
  - e. Acrylic-Tie by Simpson Strong-Tie.
- G. Headed Studs: ASTM A108 with a minimum yield strength of 50,000 psi and a minimum tensile strength of 60,000 psi.
- H. Deformed Bar Anchors: ASTM A496 with a minimum yield strength of 70,000 psi and a minimum tensile strength of 80,000 psi.
- I. Iron and Steel Hardware: Galvanized in accordance with ASTM A153 when required to be galvanized.
- J. Galvanizing Repair Paint:
  - 1. High zinc dust content paint for regalvanizing welds and abrasions.
  - 2. Dried film shall contain not less than 93 percent zinc dust by weight.
  - 3. similar to ZRC by ZRC products.
  - 4. VOC: 0-lbs per gallon.
- K. Finishes
  - 1. Shop Painting: Prepare ferrous surfaces and apply primer as specified in Division 9.
  - 2. Shop Coating for Aluminum: All aluminum surfaces and edges in contact with other metals and concrete shall be protected by a heavy brush coat of alkali resistant bituminous coating, or a nonporous tape or gasket. Coating is not required for aluminum in contact with stainless-steel bolts. Apply one of the following bituminous coatings at 15 mils minimum dry film thickness.
    - a. Glidden 61778.
    - b. Koppers - Bitumastic No. 50.
    - c. Porter 7100.
    - d. Tnemec - Heavy Duty 46-449.
    - e. Or approved equal.

## **2.02 FABRICATION, GENERAL**

- A. Workmanship: Use materials of size and thickness indicated, or if not indicated, as required to produce strength and durability in finished product for use intended. Work to dimensions indicated or accepted on shop drawings, using proven details of fabrication and support. Use type of materials indicated or specified for various components of work.
- B. Verify field conditions and dimensions prior to fabrication.
- C. Form exposed work true to line and level with accurate angles and surfaces and straight sharp edges. Ease exposed edges to a nominal radius of approximately 1/32-inch to 1/16-inch unless otherwise indicated. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- D. Provide drilled or punched holes with smooth edges. Punch or drill field connections for and for attachment of work by other trades.

- E. Weld Permanent Shop Connections:
  - 1. Welds to be continuous fillet type unless indicated otherwise
  - 2. Full penetration butt welds at bends in stair stringers and ladder side rails.
  - 3. Weld structural steel in accordance with AWS D1.1 using Series E70 electrodes conforming to AWS A5.1.
  - 4. Weld aluminum in accordance with AWS D1.2.
  - 5. All headed studs to be welded using automatically timed stud welding equipment.
  - 6. At exposed connections, grind exposed welds smooth and flush to match and blend with adjoining surfaces.
- F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners wherever possible. Use exposed fasteners of type indicated or, if not indicated, Phillips flathead (countersunk) screws or bolts.
- G. Fabricate joints which will be exposed to weather in a manner to exclude water or provide weep holes where water may accumulate.
- E. Provide for anchorage of type indicated, coordinated with supporting structure. Fabricate and space anchoring devices to provide adequate support for intended use.
- F. Cut, reinforce, drill and tap miscellaneous metal work as indicated to receive finish hardware and similar items.
- G. Tolerances
  - 1. Rolling:
    - a. ASTM A6.
    - b. When material received from the mill does not satisfy ASTM A6 tolerances for camber, profile, flatness, or sweep, the Contractor is permitted to perform corrective work by the use of controlled heating and mechanical straightening, subject to the limitations of the AISC Specifications.
  - 2. Fabrication tolerance:
    - a. Member length:
      - 1) Both ends finished for contact bearing: 1/32 IN.
      - 2) Framed members:
        - a) 30 FT or less: 1/16 IN.
        - b) Over 30 FT: 1/8 IN.
    - b. Member straightness:
      - 1) Compression members: 1/1,000 of axial length between points laterally supported.
      - 2) Non-compression members: ASTM A6 tolerance for wide flange shapes.
    - c. Specified member camber (except compression members):
      - 1) 50 FT or less: Minus 0/plus 1/2 IN.
      - 2) Over 50 FT: Minus 0/plus 1/2 IN (plus 1/8 IN per 10 FT over 50 FT).
      - 3) Members received from mill with 75 percent of specified camber require no further cambering.
      - 4) Beams/trusses without specified camber shall be fabricated so after erection,

camber is upward.

- 5) Camber shall be measured in fabrication shop in unstressed condition.
- d. At bolted splices, depth deviation shall be taken up by filler plates.
  - 1) At welded joints, adjust weld profile to conform to variation in depth.
  - 2) Slope weld surface per AWS requirements.
- e. Finished members shall be free from twists, bends and open joints.
  - 1) Sharp kinks, bends and deviation from above tolerances are cause for rejection of material.
3. Maximum tolerance for difference in depth between checkered plate or grating depth and seat or support angle depth: 1/8-inch
4. Distance between edge of grating or checkered plate and face of embedded seat angle or face of wall or other structural member shall be 1/4-inch.
5. Bar grating tolerances shall be in accordance with NAAMM MBG 531.
- H. Fabricate grating, checkered plate, stairs, ladders and accessories using aluminum unless shown otherwise on the Drawings.
  1. Finish:
    - a. Aluminum: Mill finished unless scheduled or otherwise specified, or if approved by the Engineer, finished in manufacturer's standard coating.
    - b. Coat surfaces in contact with dissimilar materials. See Specification Section 09900.
    - c. Galvanize items where specified or indicated on Drawings.
  2. See Specifications Section 09900 for preparation and painting of ferrous metals and other surfaces.

## 2.03 LADDERS

- A. Material: Aluminum, unless otherwise noted on the Drawings.
- B. Fabricate ladders for locations shown, with dimensions, spacing, details and anchorages as indicated. Comply with requirements of OSHA standards, ANSI A14.3, and applicable building codes, unless otherwise indicated.
  1. Ladders shall be designed to support a minimum concentrated live load of 200-lbs
  2. Maximum allowable stresses per AISC Specification and AA specification.
  3. Maximum lateral deflection: Side rail span/240 when lateral load of 100-lbs is applied in any direction.
- B. Rails:
  1. 1-1/2 IN nominal diameter schedule 80 pipe.
  2. Spacing: Nominal 18 IN from centerline of rails except at top.
    - a. Minimum clear distance between rails to be 16 IN.
  3. Brackets for wall supported units: Provide 3/8 x 2-1/2 IN x length required angle brackets welded to side rails with punched holes for 3/4 IN bolts.
    - a. Maximum spacing: 4 FT OC.

4. For floor supported units provide 3/8 x 2-1/2 x 4 IN rectangular bracket or 3/8 x 6 x 617 IN square plate welded to rails with punched holes for 3/4 IN bolts.
  - a. Provide wall brackets on floor supported units if vertical run is over 4 FT.
- C. Rungs:
  1. Minimum 1 IN DIA or 1 IN SQ extruded, with integral serrated non-slip finish on all sides.
  2. Shop or field-applied grit tape and cap type non-slip finish is not acceptable.
- D. Minimum distance from centerline of rung to wall or any obstruction: 7 IN.
- E. Rung spacing:
  1. Uniform, 12 IN.
  2. Top rung shall be level with landing or platform.
  3. Spacing of bottom rung from grade or platform may vary but shall not exceed 14 IN.
- F. Deflector plate:
  1. For aluminum ladders: Minimum .0625 IN aluminum plate, ASTM B209.
  2. For stainless steel ladders: Minimum .0625 IN stainless steel plate, ASTM A666.
  3. Profile as shown on Drawings.
  4. Fabricate to shapes and sizes required to meet OSHA Standards.
- G. Construction:
  1. Fully welded type.
  2. All welds to be full penetration welds, where applicable.
  3. All ladders of a particular material shall have consistent construction and material shapes and sizes unless detailed otherwise on the Drawings.
  4. Provide cap at top and bottom of side rails.
  5. Rungs shall not extend beyond the outside face of the siderail.
  6. The side rails of through ladder extension shall extend 42 IN above the top rung or landing and shall flare out on each side to provide a clearance of 24 IN centerline to centerline of rails.
- H. Finish:
  1. Aluminum: Mill.
- I. Ladder safety extension post:
  1. Telescoping tubular aluminum or stainless steel section that automatically locks into place when fully extended.
  2. Non-ferrous corrosion-resistant spring and hardware.
  3. Factory assembled with all hardware necessary for mounting to ladder.
  4. Similar to "LadderUp" safety post by Bilco.

#### **2.04 BOLLARDS**

- A. 8 IN DIA extra strength steel pipe, ASTM A53, Galvanized. See Specification Section 09905 for painting requirements.
- B. Minimum 48 IN projection above ground.

- C. Minimum 48 IN embedment in concrete.

**2.05 ABRASIVE STAIR NOSINGS:**

- A. Two (2) component consisting of an embedded subchannel, installed with the concrete pour, and an abrasive tread plate to be installed later.
- B. 6063-T5 extruded aluminum, mill finished and heat treated.
- C. Complete with concrete anchors and tread plate securing screws.
- D. Units: 4 IN less in length than stair width unless noted otherwise.
- E. Tread plate: Extruded aluminum with solid epoxy abrasive filler.
- F. Similar to Balco "DXH-330."
- G. Color: Safety yellow.

**2.06 METAL STAIRS:**

- A. Fabricated as indicated.
- B. Treads: Grating or checkered plate as shown on drawings.
  - 1. Provide integral corrugated non-slip nosing.
- C. Risers:
  - 1. Grating treads: Solid plate attached to trailing edge of tread as shown on Drawings.
  - 2. Checkered plate treads: Solid checkered plate riser integral with tread.
- D. Landings:
  - 1. Grating or checkered plate as shown on drawings.
  - 2. Provide integral corrugated non-slip nosing at edge acting as stair tread/nosing.
  - 3. Nosing at concrete landing: Abrasive stair nosing, unless otherwise noted on the Drawings.
- E. Fabricate and design stair, platforms and landings, and all connections to support a 100 psf uniform live load or a concentrated load of 1,000 LBS, whichever requires the stronger component.
- F. Design, fabricate, and install in compliance with NAAMM AMP 510 and applicable codes.
- G. Handrails and guardrails: Refer to Specification Section 05522.
- H. Material: Aluminum, unless otherwise noted on the Drawings.

**2.07 ALUMINUM CHECKERED PLATE:**

- A. Conform to ASTM B632.
  - 1. Diamond pattern: Use one (1) pattern throughout Project.
  - 2. Material: Type 6061-T6.
- B. Design live load:
  - 1. 100 psf, uniform load.
  - 2. 300 LBS concentrated load on 4 IN square area.
  - 3. All components to be adequate for the uniform load or the concentrated load, whichever requires the stronger component.



4. Maximum deflection: 1/300 of span under a superimposed live load of 50 psf.
- C. Reinforce as necessary with aluminum angles.
- D. Plate sections:
  1. Maximum 3 FT wide.
  2. Minimum 1/4 IN thick.
  3. Maximum 100 LBS per section if required to be removable.
- E. Provide joints at center of all openings unless shown otherwise.
  1. Reinforce joints and openings with additional angles to provide required load carrying capacity.
- F. Unless shown otherwise, frame for openings with aluminum checkered plate cover:
  1. Aluminum support angles:
    - a. 3 x 2 x 1/4 IN minimum size with long leg vertical.
    - b. 5/8 IN DIA adhesive anchor bolts spaced at maximum of 24 IN OC along each side with not less than two (2) anchor bolts per side.
  2. Aluminum concrete insert seats:
    - a. 2 x 2 x 1/4 IN minimum size.
    - b. Auto-welded studs or strap anchors at 18 IN OC with not less than two (2) studs or anchored per side.
  3. Drill and tap frame to receive 3/8 IN DIA aluminum cap screws at not more than 24 IN OC with not less than two (2) screws per side.

## **2.08 ALUMINUM GRATING:**

- A. NAAMM MBG 531.
- B. Bearing bars: Rectangular, 1-1/2 x 3/16 IN at 1-3/16 IN OC spacing OR I-bar, 1-1/2 IN deep with minimum 1/16 IN thick bar and minimum 1/4 IN flange width at 1-3/16 IN OC spacing.
- C. Cross bars:
  1. Welded, swaged or pressure locked to bearing bars:
  2. Maximum 4 IN/OC spacing.
- D. Top edges of bars: Grooved or serrated.
- E. Removable grating sections: Not wider than 3 FT and not more than 100 LBS.
- F. Standard mill finish.
- G. Ends and perimeter edges: Banded.
- H. Openings through grating: Reinforced to provide required load carrying capacity and banded with 4 IN high toe plate.
- I. Provide joints at openings between individual grating sections.
- J. Clips and bolts: Stainless steel.
- K. Seat angles: Aluminum.

## **2.09 ALUMINUM PLANK GRATING:**

- A. Type 6063-T6 aluminum plank panels with 6 IN wide extruded sections.

- B. Fabrication and Tolerances shall be in accordance with NAAMM MBG 531.
- C. Planks:
  - 1. Surface: Unpunched with raised transverse ribs for stiffness and skid resistance.
  - 2. Sides: Plain.
  - 3. Minimum depth: 1-1/2 IN.
  - 4. Bearing bars minimum 1.2 IN OC spacing.
  - 5. Mill finish.
- D. Panels:
  - 1. Connect with mechanical or welded connections to form standard panel widths, not to exceed 36 IN.
  - 2. Band end of plank panels.
- E. Design live load:
  - 1. 100 psf, uniform load.
  - 2. 300 LBS concentrated load on 4 IN square area.
  - 3. All components to be adequate for the uniform load or the concentrated load, whichever requires the stronger component.
  - 4. Maximum deflection: 1/300 of span under a superimposed live load of 50 psf.
- F. Openings through grating:
  - 1. Reinforced to provide required load carrying capacity and banded with 4 IN high toe plate.
  - 2. Lay out panel sections so that openings occur at joints between panel sections.
- G. Clips and bolts: Stainless steel.
- H. Seat angles: Aluminum.

## **2.10 MISCELLANEOUS FABRICATIONS**

- A. Heavy-Duty Castings, Trench Covers, Downspout Boots 1 and Accessories:
  - 1. Prefabricated, cast iron ASTM A48 or cast aluminum ASTM B26.
  - 2. Design load: AASHTO HS-20 wheel loading for indicated span.
  - 3. Machine horizontal mating surfaces.
- B. Loose Lintels:
  - 1. Steel, ASTM A36 or ASTM A572 Grade 50, sizes as indicated on Drawings.
  - 2. Hot-dip galvanized per ASTM A123.
- C. Alternating Tread Stair - Aluminum:
  - 1. Cast aluminum treads and landings, mounting feet, stringer and foot divider.
  - 2. Integrally cast handrail support arms.
  - 3. 68-degree incline.
  - 4. Mill finish.
  - 5. Continuous aluminum handrails 1-1/2 IN square minimum 0.125 IN thick.

6. Provide all landings as indicated on Drawings.
- L. Structural and/or miscellaneous steel required for framing new openings in existing pre-engineered metal building roof and/or wall systems.
1. Provide all new purlins, girts, angles, clips, channels, plates or other steel items as required for new openings being cut into, or for supporting new equipment from existing pre-engineered metal building roof and wall systems. All new steel shall be galvanized.
- D. Hose Rack:
1. Fabricate in accordance with details indicated on the Drawings.
    - a. Grind smooth all welds after fabrication.
  2. For galvanized steel units, galvanize after fabrication in accordance with ASTM A123.
  3. Provide U-bolt mounting to fit size of member being mounted to.
  4. Provide stainless steel fasteners, anchor bolts and U-bolts.
  5. For aluminum units provide dissimilar materials protection on all surfaces where unit comes into contact with concrete, masonry or dissimilar metal.
  6. Material: Mill finish aluminum.
- E. Loose bearing plates and leveling plates: Provide loose bearing and leveling plates for steel items bearing on masonry or concrete construction. Make plates flat, free from warps or twists, and of required thickness and bearing area. Drill plates to receive anchor bolts and for grouting as required.
- F. Miscellaneous Steel Trim: Provide shapes and sizes indicated for profiles shown. Unless otherwise indicated, fabricate units from structural steel shapes, plates and steel bars, with continuously welded joints and smooth exposed edges. Use concealed field splices wherever possible. Provide cutouts, fittings and anchorages as required for coordination of assembly and installation with other work.
- G. Shelf and ledge angles: Provide structural steel shelf and ledge angles of sizes indicated for attachment to concrete framing. Provide slotted holes to receive 3/4-inch bolts, spaced not more than 6 inches from ends and not more than 24 inches on center, unless otherwise indicated. Hot-dip galvanize angles exposed to weather or installed on any face of exterior concrete or masonry walls.
- H. Weld-in Manway for Steel Pressure Tank Access
1. Bolt flange and cover shall have a minimum thickness of 0.800 IN. Cover shall be attached to flange via butt-style hinge. Provide 4 IN handle on non-hinged side of cover to afford opening of manway for tank access.
  2. Bolts shall be 5/8 IN (MIN) and conform to ASTM F3125, Grade A325. Nuts shall conform to ASTM A563, Grade B requirements. Install double flat washers on either side of connected member. Bolts shall be installed at no greater than 4 IN CTS, to afford uniform distribution of pressure manway gasket.
  3. Manway neck shall have a minimum OD of 24 IN and a minimum thickness of 0.575 IN. Cut the neck to match exterior tank diameter for continuous welding to tank. Provide a 6 IN minimum clear standoff between tank exterior and manway flange.
  4. Install 1/8 IN (minimum) thick neoprene gasket between manway flange and cover. Neoprene gasket shall extend the full width of the flange and tapped to receive bolts.
  5. Prepare steel and apply coating system as detailed in Division 9 specifications.

## **PART 3 EXECUTION**

### **3.01 PREPARATION**

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication, where possible. Do not delay job progress; allow for trimming and fitting where taking field measurements before fabrication might delay work.
- B. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions, and directions for installation of anchorages, such as concrete inserts, sleeves, anchor bolts and miscellaneous items having integral anchors, which are to be embedded in concrete or masonry construction. Coordinate delivery of such items to project site to allow their installation in other construction. If such items are not provided in time for installation, cut in and install.
- C. Prior to installation, inspect and verify condition of substrate. Installation of product constitutes installer's acceptance of substrate condition for product compatibility.
- D. Correct surface defects or conditions which may interfere with or prevent a satisfactory installation. Field welding aluminum is not permitted unless approved in writing by Engineer.

### **3.02 INSTALLATION**

- A. General:
  - 1. Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary for securing miscellaneous metal fabrications to in- place construction; including, threaded fasteners for concrete and masonry inserts, toggle bolts, through-bolts, lag bolts and other connectors as required. Provide steel templates for all column anchor bolts.
  - 2. Cutting, Fitting and Placement:
    - a. Perform cutting, drilling and fitting required for installation of miscellaneous metal fabrications. Field cutting grating or checkered plate to correct fabrication errors is not acceptable; replace entire section.
    - b. Remove all burrs and radius all sharp edges and corners of miscellaneous plates, angles, framing systems, etc.
    - c. Set work accurately in location, alignment and elevation. Shim and grout as necessary.
    - d. Fit exposed connections accurately together to form tight hairline joints.
    - e. Do not field splice fabricated items unless said items exceed standard shipping length or change of direction requires splicing. Provide full penetration welded splices where continuity is required.
    - f. Provide each fabricated item complete with attachment devices as indicated or required to install.
    - g. Provide temporary bracing or anchors in formwork for items which are to be built into concrete masonry or similar construction.
    - h. Tie anchor bolts into position to embedded reinforcing steel using wire. Tack welding of anchors is prohibited. Coat anchor threads and nuts with heavy coat of clean grease prior to concrete/grout/mortar placement.
  - 3. Connections: Unless otherwise noted or specified.
    - a. Connect steel members to steel members with 3/4-inch diameter ASTM A325 high strength bolts

- b. Connect aluminum to aluminum with 3/4-inch diameter aluminum bolts
  - c. connect aluminum to structural steel using 3/4-inch diameter stainless steel bolts
  - d. Connect aluminum and steel members to concrete and masonry using stainless steel expansion anchor bolts or adhesive anchor bolts unless shown otherwise.
  - e. Provide washers for all bolted connections.
  - f. Where exposed, bolts shall extend a maximum of 3/4-inch and a minimum of 1/2-inch above the top of the nut. If bolts are cut off to require maximum height, threads must be dressed to allow nuts to be removed without damage to the bolt or the nuts.
  - g. Provide appropriate protection between connections of dissimilar metals/materials.
4. Field welding: Comply with AWS Code for procedures of manual shielded metal-arc welding, appearance and quality of welds made, and methods used in correcting welding work. Grind welds smooth where field welding is required. Field welding aluminum is not permitted unless approved in writing by Engineer.
  5. Setting Loose Plates: Clean concrete and masonry bearing surfaces of any bond-reducing materials, and roughen to improve bond to surface. Clean bottom surface of bearing plates.
  6. Set loose leveling and bearing plates on wedges, or other adjustable devices. After the bearing members have been positioned and plumbed, tighten the anchor bolts. Do not remove wedges or shims, but if protruding, cut-off flush with the edge of the bearing plate before packing with grout. Use non-metallic non-shrink grout in all locations.
  7. Install Bollards in concrete as detailed. Fill pipe with concrete and round off top.
  8. Provide abrasive stair nosings in each tread and landing of all concrete stairs and at each concrete stair landing having metal stair structure attaching to the concrete landing. Center stair nosings in stair width. Coordinate nosings with railing vertical posts. Maintain 2-inch clearance between the end of the nosing and the edge of the railing base plate.
  9. Attach grating to end and intermediate supports with grating saddle clips and bolts.
    - a. maximum spacing: 2-ft O.C. with minimum of two (2) per side.
    - b. Attach individual units of aluminum grating together with clips at 2-ft O.C. maximum with a minimum of two (2) clips per side.
    - c. Attach each aluminum plate to support per manufacturer's recommendations using stainless steel clips and bolts.

### **3.03 ADJUST AND CLEAN**

- A. After erection, installation or application, clean all miscellaneous metal fabrication surfaces of all dirt, weld slag and other foreign matter. Provide surface acceptable to receive field applied paint coatings in conformance to Specification Section 09900.
- B. Touch-up painting: Cleaning and touch-up painting of field welds, bolted connections and abraded areas of the shop paint of miscellaneous metal is specified in Division 9 of these specifications.
- C. Repair damaged galvanized surfaces in accordance with ASTM A780. Prepare damaged surfaces by abrasive blasting or power sanding. Apply galvanizing repair paint to minimum 6-mils DFT in accordance with manufacturer's instructions.



END OF SECTION

**DIVISION 9**  
**TECHNICAL SPECIFICATIONS**

**TABLE OF CONTENTS**

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**FINISHES**

09920 - Painting Steel Water Storage



## **SECTION 09920**

### **PAINTING (Steel Water Storage)**

#### **PART 1 GENERAL**

##### **1.01 SUMMARY**

- A. Extent of painting work is indicated as herein specified.
- B. Summary of work is included in Division 1, Section 01110
- C. Tank locations and photos, are provided in Section 00110 – Information for Bidders.
- D. Owner will select colors from standard colors or finishes available.
- F. Do not paint over any code-required labels, such as Underwriters' Laboratories, Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.
- G. Scope of work includes blasting and refinishing the interior and exterior of 2 EA, 10' Diameter x 18' long (approximately 12,000 gallon capacity) ground mounted, internally baffled, steel pressure tanks for potable water.

##### **1.02 RELATED DOCUMENTS**

- A. General provisions of the contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.
- B. References
  - 1. ANSI/NSF 61 Drinking Water System Components – Health Effects
  - 2. ASTM D 16 Terminology Relating to Paint, Varnish, Lacquer, and related Products
  - 3. AWWA D102-06 Coating Steel Water-Storage Tanks
  - 4. NACE RPO188-99 Discontinuity (Holiday) Testing of New Protective Coatings on Conductive Substrates
  - 5. SSPC-PA-2 Measurement of Dry Coating Thickness with Magnetic Gages
  - 6. SSPC-SP10/NACE 2 Near-White Metal Blast Cleaning
  - 7. SSPC-SP1 Solvent Cleaning
  - 8. SSPC-SP2 Hand Tool Cleaning
  - 9. SSPC-SP3 Power Tool Cleaning
  - 10. SSPC-SP11 Power Tool Cleaning to Bare Metal
  - 11. SSPC-SP 12/NACE 5 Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating
  - 12. AWWA C 652-02 Disinfection of Water Storage Facilities

##### **1.03 DEFINITIONS**

- A. Definition of Painting Terms: ASTM D16, unless otherwise specified
- B. Coatings: Paint or heavy duty finishes for use on surfaces subject to interior and exterior exposure, submergence, high moisture, or splash, including primers, intermediate coats, and finish coats.

- C. "Paint" as used herein means all coating systems materials, including primers, emulsions, enamels, stains, sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.
- D. Interior Wet: Interior surfaces subject to immersion or splash, including the interior roof structure.
- E. Interior Dry: Interior surfaces subject to normal temperature, humidity and condensation.
- F. First Coat: Shop primer or field primer.
- G. Second, Third, Intermediate, or Finish Coats: Successive finish coats applied over the first coat.
- H. DFT: Dry Film Thickness as measured in Mils (1/1000 of an inch)

#### **1.04 SUBMITTALS**

- A. Product Data: Submit manufacturer's technical information including paint label analysis and application instructions for each material proposed for use.
- B. Schedule: Submit a schedule listing together the substrates applicable to the project, the coating product to be used for each substrate and location, and the surface preparation to be performed for each substrate and location. Submittal of coating product data and certifications will not be accepted if they are not included on the coating schedule.
- C. Product Certification: Submit certification in writing by the paint manufacturer that each coating product is recommended and suitable for the specified substrate. The certification shall name the paint and any required primer, and shall include surface preparation instructions.
- D. Samples: Prior to beginning work, Engineer will be furnished color chips for surfaces to be painted. Use representative colors when preparing samples for review. Submit samples for Engineer's review of color and texture only. Provide a listing of material and application for each coat of each finish sample.

#### **1.05 QUALITY ASSURANCE**

- A. Single Source Responsibility: Provide primers and other undercoat paint produced by same manufacturer as finish coats. Use only thinners approved by paint manufacturer, and use only within recommended limits.
- B. Coordination of Work: Review other sections of these specifications in which prime paints are to be provided to ensure compatibility of total coatings system for various substrates. Upon request from other trades, furnish information or characteristics of finish materials provided for use, to ensure compatible prime coats are used.
- C. Furnish paints that have been recommended by the manufacturer for the substrates and service conditions specified.
- D. All coatings in contact with potable water or within potable water reservoirs shall be certified according to NSF Standard 61.



- E. Applicator shall hold a valid State Contractor's license, if required, for performing surface preparation and coating work and shall have 3 years or more experience and have successfully completed coating system applications similar in material and extent to those indicated.

#### **1.06 DELIVERY, STORAGE, AND HANDLING:**

- A. Deliver materials to job site in original, new and unopened packages and containers bearing manufacturer's name and label, and following information:
  - o Name or title of material.
  - o Fed. Spec. number, if applicable.
  - o Manufacturer's stock number and date of manufacture.
  - o Manufacturer's name.
  - o Contents by volume, for major pigment and vehicle constituents.
  - o Thinning instructions.
  - o Mixing and Application instructions.
  - o Color name and number.
  - o Drying or curing time.
- B. Store materials not in actual use in tightly covered containers within an enclosed structure. Maintain containers used in storage of paint in a clean condition, free of foreign materials and residue.
  - 1. Protect from freezing where necessary. Keep storage area neat and orderly. Remove oily rags and waste daily. Take all precautions to ensure that workmen and work areas are adequately protected from fire hazards and health hazards resulting from handling, mixing and application of paints.

#### **1.07 JOB CONDITIONS**

- A. No paint shall be applied when the air or surface temperature, as measured in the shade, is below that which is recommended by the manufacturer. Paint shall not be applied to wet or damp surfaces, and shall not be applied in rain, snow, fog, mist, or when the surface temperature will be less than 5 F above the dew point. No paint shall be applied when it is expected that the surface temperature will drop below the manufacturer's recommendation within 2 - 4 hours after the application of the paint. Dew or moisture condensation should be anticipated, and if such conditions are prevalent, painting shall be delayed until it is certain that the surfaces are dry. In addition, the days painting shall be completed well in advance of the probable time of day when moisture condensation will occur in order to permit the film the required drying time as specified.
- B. Ventilation: Provide ventilation during coating curing stage in confined or enclosed areas in accordance with AWWA D102-06, Section A.7.5. Forced air ventilation shall be maintained for a minimum of four (4) days following interior coating application to assist in curing process.
- C. Dust and Contaminants:
  - 1. Schedule coating work to avoid excessive dust and airborne contaminants. Protect work areas from excessive dust and airborne contaminants during coating application and curing by the manufacturer prior to the formation of moisture.

2. Painting may be continued during inclement weather if areas and surfaces to be painted are enclosed and heated within temperature limits specified by paint manufacturer during application and drying periods.
- D. In accordance with the requirements of the OSHA Regulations for Construction, the Contractor shall provide and require the use of personal protective and lifesaving equipment for all persons working in or about the project.

## **1.08 WARRANTY**

- A. Contractor shall guarantee paint, and application of paint, for a period of two (2) years from the date of final acceptance of work. Warranty period starts on final acceptance of the painting work, not completion of the first anniversary inspection.
- B. A 15 year warranty shall be provided for fluoropolymer-based coating system addressing: color retention; peeling; chalking; and corrosion of the substrate. Warranty period shall commence upon substantial completion. Warranty and finish coat colors must be approved by the coating manufacturer and Owner prior to application.

## **PART 2 PRODUCTS**

### **2.01 ACCEPTABLE MANUFACTURERS**

- A. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
1. Tnemec Company, Inc.
  2. PPG Industrial Coatings
  3. Or approved equal

Equivalents may be substituted for products of the above manufacturers by written approval only.

### **2.02 MATERIALS**

- A. Material Quality: Provide best quality grade of various types of coatings as regularly manufactured by acceptable paint materials manufacturers. Materials not displaying manufacturer's identification as a standard, best-grade product will not be acceptable.
1. Federal Specifications establish minimum acceptable quality for paint materials. Provide written certification from paint manufacturer that materials provided meet or exceed these minimums.
  3. Manufacturer's products which comply with coating qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use when acceptable to Engineer.

## **PART 3 EXECUTION**

### **3.01 INSPECTION**

- A. Applicator must examine areas and conditions under which painting work is to be applied and notify Contractor and Engineer in writing of conditions detrimental to proper and timely completion of work. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to Applicator.
- B. Starting of painting work will be construed as Applicator's acceptance of surfaces and conditions within any particular area.
- C. The Contractor shall furnish, until final acceptance of coating, inspection devices in good working condition for detection of holidays and measurement of dry-film thickness gauge and certified instrumentation to test accuracy of holiday detectors.
- D. Dry-film thickness gauges and holiday detectors shall be made available for the Engineer's use at all times until final acceptance of application. Holiday detection devices shall be operated in the presence of the Engineer.
- E. At all times the Owner's and/or the Owner's Representative shall have access to the work in progress. Contractor shall assist, when requested, in the inspections. Tests will be made for surface condition and profile after blasting, wet film thickness, dry film thickness and pin holes. No pinholes will be allowed. The inspector will also check application practices. The Contractor shall re-paint all areas found defective and remove and replace any coatings placed using improper practices.
- F. In addition to the tests for surface profile, wet film thickness, dry film thickness and pin holes, which will be made during the progress of the work, the Owner will check the coatings after completion of the application for compliance with these specifications. All defects shall be promptly corrected by Contractor.
- G. Owner or Owner's Representatives shall be kept informed by Contractor as to the progress of the work. If Contractor fails to notify the Owner or Owner's Representatives of progressing work and the inspector has doubts of uninspected work, the Contractor will be responsible to take whatever measures necessary including but not limited to re-blasting and/or re-painting areas in question.
- H. Key Areas of Owner or Owner's Representative
  - o Profile of blast
  - o Prime coat film thickness
  - o Stripe coat application and film thickness
  - o Finish coat film thickness Notification by Contractor:

### **3.02 SURFACE PREPARATION/CLEANING:**

- A. General: Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions and as herein specified, for each particular substrate condition.
  - 1. Mechanically remove loose, flaking or spalled finishes and/or rust and re-prime.

12. Do not apply succeeding coats until previous coat has cured as recommended by coating manufacturer. Sand between coat applications where required to produce an even smooth surface in accordance with coating manufacturer's directions
13. Apply additional coats when undercoats or other conditions show through final coat until the cured film is of uniform finish, color and appearance.

**B. Repair and Defects**

1. Materials: repair or replace Contractor damaged materials and surfaces not scheduled to be coated.
2. Damaged Coatings: Touch-up or repair damaged coatings in accordance with manufacturer's instructions. Touch-up of minor damage shall be acceptable where the result is not visibly different from adjacent surface.
3. Minimum Coating Thickness: Apply each material at not thinner than manufacturer's recommended spreading rate. Provide a total dry film thickness of entire coating system as recommended by manufacturer, unless otherwise indicated.

**C. Prime Coats:** Before application of finish coats, apply prime coat to material which is required to be painted or finished, and which has not been prime coated by others.

1. Recoat primed and sealed substrates where there is evidence of suction spots or unsealed areas in first coat, to assure a finish coat with no burn-through or other defects due to insufficient sealing.

**D. Brush Applications:** Brush-out and work brush coats onto surfaces in an even film. Eliminate cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Neatly draw glass lines and color breaks.

**E. Mechanical Applications:** Use mechanical methods for coating application when permitted by coating material manufacturer's recommendations, governing ordinances, and trade union regulations.

1. Wherever spray application is used, apply each coat to provide equivalent hiding of brush-applied coats. Do not double-back with spray equipment building-up film thickness of 2 coats in one pass, unless recommended by coating material manufacturer.

**F. Completed Work:** Match approved samples for color, texture and coverage. Remove, refinish, or recoat work not in compliance with specified requirements.

**3.05 FIELD QUALITY CONTROL**

**A.** The right is reserved by Owner to invoke the following material testing procedure at any time, and any number of times during period of field painting:

1. Engage services of an independent testing laboratory to sample paint being used. Samples of materials delivered to project site will be taken, identified and sealed, and certified in presence of Contractor.

2. Testing laboratory will perform appropriate tests for any or all of following characteristics: Abrasion resistance, apparent reflectivity, flexibility, washability, absorption, accelerated weathering, dry opacity, accelerated yellowness, recoating, skinning, color retention, alkali resistance and quantitative materials analysis.
- B. If test results show that material being used does not comply with specified requirements, Contractor may be directed to stop painting work, and remove non-complying paint; pay for testing; repaint surfaces coated with rejected paint; remove rejected paint from previously painted surfaces if, upon repainting with specified paint, the two coatings are non-compatible.
- C. Testing Equipment and Procedures: The Contractor shall have on the project site the following testing equipment. Equipment shall be in calibration and proper working order. Equipment shall be used in accordance with the manufacturers' instructions or as directed by the Engineer. The Engineer shall be notified of time of testing so that he might be present to witness testing. The Contractor shall keep a daily log of environmental conditions, work schedule, and any other pertinent information. The log shall be turned over to the Owner at the end of the project to be included in the permanent record.
1. Sling Psychrometer: Relative humidity and dew point readings shall be taken at intervals throughout the days work. Readings shall be taken at the start of the mornings work, mid day and afternoon. Should environmental conditions change, additional reading shall be taken to assure that coatings are being applied under the conditions as outlined by the coatings manufacturer.
  2. Surface Temperature Thermometer: Surface temperatures shall be taken in areas where work is being performed. Surface temperature shall be that as specified by the coatings manufacturer.
  3. Replica Tape & Micrometer: Testex X-Course Replica Tape shall be employed to determine the surface profile of blasted surfaces. Surface profile shall be as specified.
  4. Dry Film Thickness Measurements: Dry film thickness reading shall be taken with a properly calibrated (per the manufacturer's instructions) Type 1 (magnetic) or Type 2 (electromagnetic) instrument. Dry film thickness reading will be taken and recorded in accordance with guidelines set forth in SSPC-PA2 Measurement of Dry Coating Thickness with Magnetic Gages. The Contractor shall provide ladders, rigging, etc. as necessary to allow the Engineer to spot check paint thickness of each coat.
  5. Holiday Detection: After completion of the interior coating system, interior surfaces shall be holiday detected in accordance with NACE RPO188-99 Discontinuity (Holiday) Testing of New Protective Coatings on Conductive Substrates. Holiday detector shall be a Tinker & Rasor Model M-1 or equal. Areas found to have holidays shall be marked and repaired in accordance with the paint manufacturer's instructions. The Engineer shall be notified of time of testing so that he might be present to witness testing.

### **3.06 CLEANUP AND PROTECTION**

- A. Cleanup: During progress of work, remove from site discarded paint materials, rubbish, cans and rags at end of each work day for lawful disposal.

Upon completion of painting work, clean window glass and other paint- spattered surfaces. Remove spattered paint by proper methods of washing and scraping, using care not to scratch or otherwise damage finished surfaces.



- B. Protection: Protect work of other trades, whether to be painted or not, against damage by painting and finishing work. Correct any damage by cleaning, repairing or replacing, and repainting, as acceptable to Engineer.
1. Provide "Wet Paint" signs as required to protect newly-painted finishes. Remove temporary protective wrappings provided by others for protection of their work, after completion of painting operations.
  2. At completion of work of other trades, touch-up and restore all damaged or defaced painted surfaces.

### 3.07 COATING SYSTEMS

- A. General: Provide the following coating systems for the various substrates as indicated. Equivalent materials from other manufacturers listed in Section 2.01 may be approved. Dry film thicknesses listed below may only be varied for alternate manufacturers on approval of the Engineer and documentation of equivalent mass of solids.

1. Interior Wet Areas.

- a. Surface Preparation: SSPC-SP10 Near White Metal Blast Cleaning.

b. Primer Coat:

Tnemec: Series 91-H20 or 94H20 Hydro-Zinc  
2.5 to 3.5 mils DFT

PPG: Amercoat 68HS Organic Zinc Rich Primer  
2.5 to 3.5 DFT

c. Stripe Coat:

Tnemec: Series 20 Pota-Pox  
2-3 mils

PPG: NovaGuard 840 Epoxy Novalac  
20-24 mils

d. Finish Coat:

Tnemec: Series 22 Epoxoline  
15-20.0 mils DFT

PPG: NovaGuard 840 Epoxy Novalac  
15-20 mils DFT.

2. Exterior Areas:

a. Surface Preparation: SSPC-SP6 Commercial Blast Cleaning.

b. Prime Coat:

Tnemec: Series 94H20 Hydro-Zinc  
2.5 to 3.5 mils DFT

PPG: Amercoat 68HS Organic Zinc Rich Primer  
2.5 to 3.5 mils DFT

c. Intermediate Coat:

Tnemec: Series 73 Endura-Shield  
2.0 to 3.0 mils DFT

PPG: Pitt-thane Ultra Polyurethane 95 Series  
2.0 to 3.0 mils DFT

d. Finish Coat:

Tnemec: Series 700 Hydroflon  
2.0 to 3.0 mils DFT

PPG: Coraflon ADS Fluoropolymer Coating Gloss  
1.5 to 2.0 mils DFT.

### 3.09 CLEANING AND DISINFECTION

A. After the water-storage tank has been completely painted and adequate drying time has elapsed, the tank shall be disinfected according to the latest standard of AWWA C652 Disinfection of water storage facilities.

1. Cleaning. All scaffolding, tools, rags, and any other material that are not part of the structure or operating facilities of the tank shall be removed. All interior surfaces of the storage facility shall be cleaned thoroughly using a high-pressure water jet, sweeping, scrubbing, or equally effective means. All water, dirt, and foreign material accumulated shall be removed and disposed of by the Contractor.

2. Disinfection. Only one method of the two following methods will be required for water storage tank disinfection, but a combination of the methods may be used if the Contractor chooses.

4. Method 1. A solution of not less than 200 mg/l available chlorine shall be applied directly to the surfaces of all parts of the storage tank that would be in contact with water when the storage tank is full to the overflow elevation.

The chlorine solution may be applied with suitable brushes or spray equipment. The solution shall thoroughly coat all surfaces to be treated including the inlet and outlet piping, and shall be applied to any separate drain piping such that it will have available chlorine of not less than 10 mg/l when filled with water.

The disinfected surfaces shall remain in contact with the strong chlorine

solution for at least 30 minutes, after which the solution shall be drained to waste and potable water shall be admitted. The drain piping shall be purged of the 10 mg/l chlorinated water, and the storage tank shall then be filled to its overflow level.

Following this procedure and subject to satisfactory bacteriological testing and acceptable aesthetic quality, such water may be delivered to the distribution system.

5. Method 2. Water and chlorine shall be added to the storage facility in amounts such that initially the solution will contain 50 mg/l available chlorine and will fill approximately 5 percent of the total storage volume. This solution shall be held in the storage facility for a period of not less than 6 hours. The storage facility shall then be filled to the overflow level by flowing potable water into the highly chlorinated water. It shall be held full for a period of not less than 24 hours and the strong chlorine solution drained to waste before water is admitted. All highly chlorinated water shall be purged from the drain piping.

Following this procedure and subject to satisfactory bacteriological testing and acceptable aesthetic quality, the remaining water may be delivered to the distribution system.

Chlorine shall be added to the storage tank by one of the following methods.

- i. Liquid chlorine shall be introduced into the water, filling the storage tanks in such a way as to give uniform chlorine concentration during the entire filling operation. Portable chlorination equipment shall be carefully operated and shall include a liquid-chlorine cylinder gas-flow chlorinator, chlorine ejector, safety equipment, and solution tube to inject the chlorine solution into the filling water. The solution tube shall be inserted through an appropriate valve located on the inlet pipe and near the storage tank.
- ii. Sodium hypochlorite shall be added to the water entering the storage tank by means of a chemical-feed pump, or shall be applied by hand pouring into the storage tank and allowing the following water to provide the desired mixing.

When a chemical-feed pump is used, the concentrated chlorine solution shall be pumped through an appropriate solution tube so as to inject the high-concentration chlorine solution at a rate that will give a uniform chlorine concentration in the filling water.

When the sodium hypochlorite is poured into the storage tank, the filling of the storage tank shall be immediately thereafter or as soon as any removed manhole covers can be closed. The sodium hypochlorites may be poured through a clean out, or inspection manhole in the lower level of the tank, or in the riser pipe, or through the roof manhole. The sodium hypochlorite shall be poured into the water in the storage tank when the water is not more than 3 feet in depth, nor less than one foot in depth, and as close thereto as manhole locations will permit.

- iii. When a chemical-feed pump is used, the concentrated chlorine solution shall be pumped through an appropriate solution tube so as to inject the high-concentration chlorine solution at a rate that will give a uniform chlorine concentration in the filling water.

When the sodium hypochlorite is poured into the storage tank, the filling of the storage tank shall be immediately thereafter or as soon as any removed manhole covers can be closed. The sodium hypochlorites may be poured through a clean out, or inspection manhole in the lower level of the tank, or in the riser pipe, or through the roof manhole. The sodium hypochlorite shall be poured into the water in the storage tank when the water is not more than 3 feet in depth, nor less than one foot in depth, and as close thereto as manhole locations will permit

- iv. Calcium hypochlorite granules or tablets broken to sizes not larger than ¼ inch may be poured into the storage tank through a clean out, or inspection manhole in the lower level of the storage facility, or in the riser pipe, or through a roof manhole. The granules or table particles shall be placed in the storage tank prior to flowing water into it, and they shall be located so that the in flowing water will ensure a current or water circulating through the calcium hypochlorite and dissolving it during the filling operation. The calcium hypochlorite shall be placed only on dry surfaces unless adequate precautions are taken to provide proper ventilation or protective breathing equipment.

The actual volume of the 50 mg/l chlorine solution shall be such that after the solution is mixed with filling water and the storage tank is held full for not less than 24 hours, there will be a free chlorine residual of not more than 2mg/l.

- v. Disposal of heavily chlorinated water from the storage tank shall be in accordance with the requirements of the Missouri Department of Natural Resources and at the expense of the Contractor.
- vi. All water for testing and sterilization shall be furnished by the Owner.

### 3.7 TESTING

- A. After the disinfection is completed and before the storage tank is placed in service, water from the full tank shall be sampled and tested for coliform organisms in accordance with the latest edition Standard Methods for the Examination of Water and Wastewater. The testing shall be by either the multiple tube fermentation technique or the membrane filter technique.
- B. Two or more consecutive samples shall be collected and analyzed to indicate microbiologically satisfactory water before the storage tank is placed in service. In the event tests show the presence of coliform bacteria, the storage tank shall again be subject to disinfection.

- C. The Owner will be responsible for taking samples and delivery of samples to a laboratory for testing.

### **3.11 FIRST AND SECOND ANNIVERSARY INSPECTION**

- a. Contractor shall perform a through physical inspection of all work on or within 30 days of the first and second anniversary(s) of substantial completion of the work. Contractor shall furnish personnel, rigging and all equipment to visually inspect the entire surface of the work for holidays and other defects. Contractor shall establish the date of inspection and notify Owner, giving at least 15 days notice as to the date of inspection.
- b. Inspections shall follow the guidelines set forth in AWWA D102-06 Section 5.2.
- c. If any corrosion, bubbling, delaminating or other indications of failure are detected, the Contractor will repair all affected areas.

**END OF SECTION**



**DIVISION 18**  
**TECHNICAL SPECIFICATIONS**

**TABLE OF CONTENTS**

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**PROCESS PIPING**

18180 - VALVES AND ACCESSORIES



**SECTION 18180**  
**VALVES AND ACCESSORIES**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. This Section includes all process valves and accessories required for the complete installation of the work.

**1.02 RELATED SECTIONS**

- A. 18110 - Pipe and Pipe Fittings  
B. 18160 - Pipe Installation

**1.03 REFERENCES**

- A. Design, fabricate and test valves and materials in accordance with manufacturers' recommended procedures and the following codes and standards:

1. ANSI B16.1 - Cast Iron Flanges and Flanged Fittings, Class 25, 125, 250 and 800.
2. ANSI B16.10 - Face to Face and End to End Dimensions of Ferrous Valves.
3. ANSI B16.25 - Butt Welding Ends.
4. ANSI B16.34 - Steel Butt Welding End Valves.
5. ANSI B16.5 - Steel Pipe Flanges, Flanged Valves and Fittings.
6. ANSI B31.1 - Code for Pressure Piping, Power Piping Section.
7. ASTM A216 - Carbon Steel Castings Suitable for Fusion Welding for High Temperature Service.
8. ASTM A105 - Forgings, Carbon Steel for Piping Components.
9. ASTM A48 - Gray Iron Castings.
10. ASTM A126 - Gray Iron Castings for Valves, Flanges and Pipe Fittings.
11. ASTM A536 - Ductile Iron Castings.
12. AWWA C111 - Rubber Gasket Joints for Ductile Iron and Gray Iron Pressure Pipe and Fittings.
13. AWWA C507 - Ball Valves, Shaft or Trunnion Mounted - 6-inch through 48-inch - for Water Pressures up to 300 psi.
14. AWWA C508 - Swing Check Valves for Water Works Service.
15. AWWA C509 - Resilient Seated Gate Valves for Water and Sewage Service.
16. AWWA C511 - Reduced Pressure Principle Back Flow-Prevention Assembly.
17. AWWA C540 - Power Actuating Devices for Valves and Sluice Gate.
18. AWWA C550 - Protective Interior Coatings for Valves and Hydrants.
19. AWWA C600 - Installation of Gray and Ductile Cast-Iron Water Mains and Appurtenances.

- B. Manufacturers shall be experienced in the design and manufacture of specific valves and accessories for a minimum period of 5 years.

#### **1.04 COMPLIANCE SUBMITTALS**

- A. Submit in accordance with Division 1.
- B. Submit the following for acceptance:
  - 1. Catalog data or illustrations showing principal parts and materials.
  - 2. Spare parts list.
  - 3. Assembly and disassembly or repair instructions.
  - 4. Affidavits of compliance.

#### **1.05 DELIVERY, STORAGE AND HANDLING**

- A. Ship all valves with suitable end covers to prevent entrance of foreign material into valve body.
- B. Protect valve threads, flanges, stems and operators from damage.

### **PART 2 - PRODUCTS**

#### **2.01 VALVE BODY MATERIAL**

- A. Valve body shall be similar to the material of the pipe (for metallic pipe) in which it is installed and shall be one of the following:
  - 1. Carbon Steel - ASTM A216 WBC.
  - 2. Ductile Iron - ASTM A536.
  - 3. Stainless Steel - ASTM A182 316L.
  - 4. Cast Iron - ASTM A126 Class B.
  - 5. Bronze - ASTM B61.

#### **2.02 GATE VALVES 2-1/2" AND LARGER**

- A. Acceptable Manufacturers:
  - 1. American.
  - 2. M&H.
  - 3. Mueller.
  - 4. Or approved equal.
- B. Gate valves from 3" - 12" size shall conform to AWWA C-515 and C-550:
  - 1. Valves shall have a minimum design working pressure of 200 psi.
  - 2. Valves shall open counter clockwise and be non-rising stem.
  - 3. Valves stems shall use double O-ring seals.

4. Buried valves shall have mechanical joint ends.
  5. Exposed valves shall have flanged ends. The valve interior shall be coated with the manufacturer's standard epoxy coating. The exterior coating shall conform to Division 9.
  6. Bolts shall be stainless steel. Gaskets and seals shall be non-asbestos materials.
  7. Buried valves shall be operated with a 2" x 2" nut and valve box unless a handwheel is indicated on drawings. Exposed valves shall have hand wheel operators.
  8. All valves shall be NSF approved.
- C. Cast iron or ductile iron gate valves of sizes other than those listed above installed in the process water or the sludge process systems shall conform to AWWA C500 and shall be as follows:
1. Valves 2 ½" and smaller shall be designed for a 200 psig minimum working pressure. Valves over 12" shall have a 150 psig minimum working pressure.
  2. Double disc type.
  3. Mechanical joint ends for buried valves.
  4. Flanged ends for exposed and interior valves.
  5. Shall have a handwheel operator for exposed valves. Buried valves shall be operated with nut and valve box unless handwheel is indicated on drawings.
  6. Valves shall be non-rising stem and open counter clockwise unless otherwise stated.
  7. Stems shall be sealed with double O-rings.

## **2.03 ECCENTRIC PLUG VALVES**

- A. Acceptable Manufacturers:
1. DeZurik Corporation.
  2. Pratt Valves.
  3. Or approved equal.
- B. Plug valves shall be quarter-turn non-lubricated eccentric type with resilient faced plug. Alternate seat and plug materials may be considered provided this specification is met and, in addition, the manufacturer must prove prior to approval that the valve meets AWWA C504 "proof of design tests" (10,000 cycles) in both directions. Flanged valve ends shall be faced and drilled to conform to ANSI B16.1, Class 125 for diameter and drilling. Mechanical or push-on type rubber-gasketed joint ends shall conform to AWWA C111. Port areas for valves smaller than 20-inch shall be at least 80 percent of full pipe area. Port areas for valves 24-inch and larger shall be at least 70 percent of full pipe area.
- C. Materials and Construction:
1. Bodies shall be of ASTM A126, Class B cast iron.



2. Valve plug shall be ASTM A126, Class B cast iron or ASTM A536 ductile iron. Resilient plug facing shall be synthetic rubber, neoprene or Buna N compound suitable for use with water and wastewater applications.
3. Seats shall be a raised welded overlay of 90% pure nickel, a minimum of .125" thick and 0.50" wide, conforming to AWWA C504. When the plug is in the closed position, the resilient plug facing shall contact only nickel. Sprayed or plated mating seat surfaces are not acceptable for resilient plugs.
4. Bearings shall be replaceable. Sleeve bearings in the upper and lower journals shall be permanently lubricated 316 stainless steel per ASTM A743 Grade CF-8M. Nonmetallic journal bearings shall not be acceptable. Thrust bearings shall be teflon.
5. Shaft seals shall be self-adjusting chevron-type conforming to AWWA C504. Valve shall be designed so it can be repacked while the valve is in line and under pressure without removing the actuator. O-ring seals shall not be acceptable in valves larger than 3".
6. All exposed fastening hardware shall be zinc plated or stainless steel. Provide stainless steel bolting on buried service valves.

D. Manual Operators:

1. All valves shall open counterclockwise.
2. Provide indicators to show position of plug except on buried operators.
3. Actuators: Manual valves shall have lever or worm gear actuators with handwheels, chainwheels, tee wrenches, extension stems, floorstands, etc., as shown on the plans or as called for in the valve schedule. Lever actuators shall be furnished for valves 8" or smaller where the maximum shutoff pressure is 25 psi or less as indicated on the plans or in the valve schedule. Worm gear actuators shall be furnished for all valves 4" or larger where the maximum reverse shutoff pressure is greater than 25 psi. Worm gear actuators shall be sized for 150 psi. All gearing shall be enclosed in a semi-steel housing and be suitable for running in a lubricant with seals provided on all shafts to prevent entry of dirt and water into the actuator. The actuator shaft and the quadrant shall be supported on permanently lubricated bronze bearings. Actuators shall clearly indicate valve position and an adjustable stop shall be provided to set closing torque. This adjustable stop shall be the only adjustment necessary to set the clearance between the valve plug and the seat while the valve is in line and under pressure. Handwheel and chainwheel sizes for worm gear actuators shall be no smaller than 6" in diameter and no larger than twice the diameter of the actuator's gear sector. All exposed nuts, bolts, and washers shall be zinc plated.

Valves and gear actuators for buried or submerged service shall have seals on all shafts and gaskets on the valve and actuator covers to prevent the entry of water. Actuator mounting brackets for buried or submerged service shall be totally enclosed and shall have gasket seals. All exposed nuts, bolts, springs, and washers shall be stainless steel.

4. Handwheels shall be located for easy access on exposed valves.
5. Buried valves shall be operated by a 2" AWWA nut with valve box.

E. Electric Powered Operators:

1. Where shown on the plans, plug valves shall be operated by an electric powered valve operator. Operator shall be a quarter turn operator fully complying with AWWA C-540 as manufactured by E.I.M., Limatorque, or approved equal. The valve supplier shall be responsible for coordinating and supplying the complete valve assembly, including all controls and extension assemblies where required.
  2. Electric motor and control enclosures shall be NEMA 4 rated and O-ring sealed. Seals shall be provided at all exit points to the gear case. Critical areas, subject to high wear, shall be double sealed.
  3. The unit operator on 460 volt, 3-phase power and shall contain a reversing motor starter and control transformer. Motor shall have Class F insulation with a Class B temperature rise. Power shall be transferred through a removable splined bushing.
  4. Unit shall be designed to operate against the line test pressure (Section 18160) applied in either direction. The fully open to fully closed operation time shall be approximately 200 seconds.
  5. The unit shall be operated locally by OPEN-STOP-CLOSE signal. Operation shall be selected through a LOCAL-OFF-REMOTE switch. The valve position shall be shown on an indicator.
  6. Four field adjustable limit switches shall be provided OPEN, CLOSED, or any intermediate point. Switch contacts shall be solid silver and have a minimum rating of 10 amps (break) inductive at 120 volts. Use of cams or set screws in securing switches is not acceptable.
  7. Mechanical stops shall be provided to withstand maximum operator torque.
  8. The service of a minimum of one day of field start-up time shall be provided to coordinate valve operation with the instrumentation supplier. One day shall also be provided to assure proper installation and operation of the operator and to instruct plant staff on proper operation and maintenance of the valve.
- F. Testing: Furnish certified copies of results of tests prior to shipment. All valves shall be subjected to an AWWA C504 procedure leak test at 150 psi against the face of the plug and a body hydrostatic test at 300 psi. Valves shall be capable of providing drip-tight shutoff up to the full leak test rating with pressure in either direction.

## **2.04 BALL VALVES**

### **A. Acceptable Manufacturers:**

Under 6"

1. Crane Co.
2. Nibco.
3. Or approved equal.

6" and Larger

1. Henry Pratt Co.
2. Von Roll Co.
3. Or approved equal.

- B. Ball valves shall be standard port type with 3-piece body. Flanged valve ends shall be faced and drilled to conform to ANSI B16.1, Class 125 for thickness and drilling. Mechanical or push-on type rubber-gasketed joint ends shall conform to AWWA C111.
- C. Materials and Construction:
  - 1. Ball valves 6" and larger shall conform to AWWA C507 with a minimum design operating pressure of 150 psig.
  - 2. Bodies shall be of ASTM 126, Class B cast iron for 2-1/2" and larger. Smaller valves shall be bronze body.
  - 3. Valve trim shall be bronze.
- D. Manual Operators:
  - 1. All valves shall open counterclockwise.
  - 2. Exposed valves 3" and smaller shall be lever operated.
  - 3. Provide indicators to show position of ball.
  - 4. AWWA 2" size nut operators operated by enclosed worm gear operators shall be provided for buried valves.
  - 5. Exposed valves over 3" diameter shall be handwheel operated through an enclosed worm gear.

## **2.05 BALL VALVES (POLYMER SERVICE AND NON-POTABLE WATER 2" AND SMALLER)**

- A. Acceptable Manufacturers:
  - 1. George Fischer
  - 2. Nibco
  - 3. Or approved equal.
- B. Ball valves shall be PVC true union with either solvent socket or threaded pipe connections. Pressure rating shall exceed 230 psi.
- C. Seats shall be PTFE with backing rings. Backing rings and seals shall be EPDM.
- D. PVC shall meet or exceed cell classification 12454B, ASTM D-1784.
- E. Socket end connections shall conform to ASTM D-2467. Threaded pipe connections shall conform to ANSI B2.1.
- F. Exposed valves shall be lever operated. Valve shall not be buried.

## **2.06 SWING CHECK VALVES 2-1/2" AND LARGER (To be used only when plans specify cushioned swing check not required).**

- A. Acceptable Manufacturers:
  - 1. American Cast Iron Pipe Co.

2. M&H
  3. Mueller
  4. Or approved equal.
- B. All check valves shall be as follows:
1. Swing type with lever and spring
  2. Bolted bonnet.
- C. Swing check valve shall conform to AWWA C508 with a minimum operating pressure rating of 175 psig.
1. Valve hinge pins shall be stainless steel.
  2. Valve discs shall be full opening with a composition to metal seat. The composition material shall be suitable for use in domestic water and wastewater service.
  3. Valves shall be flanged unless otherwise specifically stated on the drawing.
  4. Valves shall be equipped with an external lever that is spring assisted. The spring tension shall be field adjustable by a hex nut. The lever arm shall be keyed to the valve hinge shaft.
  5. Where valves are installed in other than horizontal alignment, the spring operator shall be designed to work in the position shown.
  6. Valve exterior coatings shall conform to Division 9.

## **2.07 CUSHIONED SWING CHECK VALVES**

- A. Acceptable Manufacturers:
1. Golden Anderson Valve Specialty Company.
  2. Valve and Primer Corporation.
  3. Or approved equal.
- B. Operational Requirements:
1. Prevent reverse flow without shock or hammer.
  2. Seat tightly with internal pipeline forces.
  3. Cushioned in manner permitting adjustment of speed of closure.
- C. Design:
1. Check valve shall conform to AWWA C508 except for addition of exterior cushion chamber.
  2. Swing disc type with single stainless steel shaft and flanged body. Flanges shall be ANSI B16.1, Class 125.
  3. Valve disc shall have external lever and adjustable counterweight to initiate closure.
  4. Valves shall have a metal to composition seat.

5. Valve coatings shall conform to Division 9.

## **2.08 BALL CHECK VALVES (To be used only above grade with PVC piping)**

### **A. Acceptable Manufacturers:**

1. George Fischer
2. Nibco
3. Or approved equal.

- B. Ball check valves shall be PVC true union with either solvent socket or threaded pipe connections. Pressure rating shall meet or exceed 150 psi.

- C. Body interior shall have molded ribs to serve as a ball cage and guide.

- D. Ball return to seated position shall be spring assisted.

- E. Seat and seals shall be EPDM.

- F. PVC body and ball shall meet or exceed cell classification 12454B, ASTM D-1784.

- G. Solvent socket pipe connections shall conform to ASTM D-2467. Threaded pipe connections shall conform to ANSI B2.1.

## **2.09 GLOBE AND ANGLE VALVES 2 1/2" AND SMALLER**

### **A. Acceptable Manufacturers:**

1. Crane
2. Nibco
3. Or approved equal.

- B. Bronze 200 or 300 pound class shall be as follows:

1. Screwed ends.
2. Non-rising stem.
3. Union bonnet.
4. Solid disc and separate seats of nickel alloy for gate valves.
5. Plug-type disc and renewable seats for globe and angle valves.
6. Back seating design.

- C. Carbon steel - 600 pound class shall be as follows:

1. Socket weld ends.
2. Bolted or no bonnet.
3. Outside screw and yoke.



4. Stainless steel stem.

5. Manufacturer's recommended disc and seat facing material for stem and water service.

## **2.10 WATER SERVICE BUTTERFLY VALVES**

- A. Butterfly valves in sizes 2"-20" shall be of the flangeless wafer body style conforming to AWWA C504. All valves shall be suitable for use with ANSI B16.1 Class 125 or 250 flanges. Bodies shall be cast iron. Valves shall be rated at 175 psi and provide drip-tight shutoff at differentials up to 175 psi in both directions. Bodies of all flangeless wafer valves shall have 4 flange bolt guides to center the body in the pipeline.
- B. All valves shall be furnished with self-lubricated bearings of bronze or TFE coated stainless steel. Shaft seals shall be provided to prevent leakage and to protect bearings from internal or external corrosion.
- C. Seats shall be of the reinforced resilient type and shall be field replaceable. Seats shall also act as a body liner to prevent flow from contacting the body casting. Seats shall have flange sealing to provide a positive seal without use of flange gaskets.
- D. Seats shall be of EPDM (Nordel) suitable for use with 290°F air. Shafts shall be one piece and shall be of 416 or 316 stainless steel. Shaft diameter shall meet the 75B standard from AWWA specification C504-87 for butterfly valves. Shafts shall be finish ground to minimize bearings and shaft seal wear. Shafts of 12" and larger shall have a non-adjustable thrust collar.
- E. Discs shall be bronze or cast iron with welded nickel edge. The disc-to-shaft connections shall be type 316 stainless steel. Pins, shaft, and disc of all valves shall be individually machined and completely interchangeable.
- F. Valves shall be available with field interchangeable manual or powered actuators as required. The actuator-to-shaft connection shall be designed to shear and prevent internal valve damage if the disc closes on foreign material in the pipeline. All non-buried actuators shall provide external indication of disc position.
- G. Latch lock levers shall provide automatic, positive latching in the open, closed, or eight intermediate positions. These valves shall allow locking in any position with a standard padlock. Infinite position levers shall allow manual throttling and locking in any position from open to close.
- H. All manually actuated valves 8" and larger shall be operated using a cast iron housed handwheel actuator available in standard, weatherproof, or buriable construction - as required - with optional chainwheel, crank, or 2" square nut input. All units to have adjustable open and closed position stops with provision to prevent accidental adjustment changes. Operating shaft to be supported axially and radially at input end by permanently lubricated bronze and thrust and sleeve bearings.
- I. Valves shall be resilient seated butterfly, as manufactured by DeZurik, Figure 632, or equal.

## **2.11 COMBINATION PRESSURE REDUCING & PRESSURE SUSTAINING VALVES**

- A. Acceptable Manufacturers:
  - 1. Cla-Val
  - 2. Singer Valve, Inc.
  - 3. Or approved equal.

B. The combination pressure reducing & sustaining valve shall maintain a constant pressure downstream of the valve, regardless of changing flowrates and/or inlet pressures. When the upstream pressure becomes equal to a preset pressure, the valve shall throttle to maintain a constant inlet pressure.

D. Main valve:

1. The valve shall be a hydraulically, single diaphragm-actuated globe valve. The diaphragm assembly shall be the only moving part and shall form a sealed chamber in the upper portion of the valve, separating the operating pressure from the line pressure. Packing glands and/or stuffing boxes are not permitted. There shall be no pistons operating the main valve or pilot valves.
2. The valve body and cover shall be cast from ASTM A536 Ductile Iron with integral flanges, faced and drilled per ANSI B16.42, Class 150. The valve shall be "full-ported" with a flow area through the valve no less than the area of its nominal pipe size.
3. The inner valve assembly shall be guided by top and bottom guided by easily replaceable top and bottom bearing bushings. The inner valve assembly shall be the only moving part and shall be securely mounted to a stainless steel stem.
4. The valve shall provide for smooth, frictionless motion with actuation by flat style EPDM or Buna-N diaphragm, constructed of nylon fabric bonded to synthetic rubber. The diaphragm shall not be utilized as the seating surface. No lip seals or packing glands shall be utilized to seal the actuator.
5. The valve bonnet shall be accurately attached to the valve body by locating pins or a machined locating lip located on the valve body and cover.
6. Valves 3" and larger shall have stainless seat rings and a resilient disc constructed of EPDM or Buna-N for normal service conditions
7. All external fasteners shall be stainless steel complete with stainless steel washers.
8. Each valve shall be supplied with valve position indicators, stainless steel strainer, opening speed control and 3 ½" glycerin filled pressure gauges located on the inlet and outlet sides of the valve.

E. Pilot System:

1. The pressure reducing pilot control shall be a normally open pilot of bronze construction with a spring to adjust the closing pressure setting. The pressure sustaining pilot control shall be a normally closed pilot of brass or bronze construction with a spring to adjust the opening pressure setting.
2. The pilot seat, stem, yoke and inner valve shall be of brass or stainless steel construction.
3. Controls shall include adjustable closing speed control, y-strainer and pilot isolating valves.
4. The pressure reducing pilot control shall function to open when the controlled pressure (downstream) is less than the spring setting. The pressure sustaining pilot shall function to open with the upstream pressure exceeds the spring setting.

F. Each valve shall be tested prior to being shipped to the site. Testing shall include pressure

testing and testing of full valve functionality. Manufacturer shall provide written certification of valve conformance with written specification.

- G. The valves shall be covered by a minimum three (3) year warranty against defects in materials and workmanship.
- H. Valve manufacturer's representative shall be present for the installation and field testing of the valve. The manufacturer's representative shall provide training for the owner on operation of the pressure reducing/sustaining valve equipment.

## **2.12 SINGLE ACTING ALTITUDE VALVE**

### **A. Acceptable Manufacturers:**

- 1. Cla-Val
- 2. Singer Valve, Inc.
- 3. Or approved equal.

- B. The altitude valve shall control the high water level in elevated storage tanks or reservoirs without the need for floats or other devices. The valve shall be of a non-throttling type, and shall remain fully open until the set pressure in the tank/reservoir is reached. The valve shall be capable of flow in one direction.
- C. Altitude valve shall consist of a main valve assembly and a pilot system, completely assembled and tested as a unit and ready for field installation. Testing shall include pressure testing and a testing of the full valve functionality. Manufacturer shall provide written certification of valve conformance with written specification.

### **D. Main valve:**

- 2. Main valve body shall be globe style, constructed of cast ductile iron conforming to ASTM A536 with integral flanges, faced and drilled per ANSI B16.42, Class 150. The valve shall be "full-ported" with a flow area through the valve no less than the area of its nominal pipe size. Valve shall have an integral bottom pad or feet permitting support directly under the valve body.
- 3. The valve shall be a hydraulically operated, single diaphragm-actuated globe valve. The diaphragm assembly shall be the only moving part and shall form a sealed chamber in the upper portion of the valve, separating the operating pressure from the line pressure. Packing glands and/or stuffing boxes are not permitted. There shall be no pistons operating the main valve or pilot valves.
- 4. The inner valve assembly shall be guided by top and bottom guided by easily replaceable top and bottom bearing bushings. The inner valve assembly shall be the only moving part and shall be securely mounted to a stainless steel stem.
- 5. The valve shall provide for smooth, frictionless motion with actuation by flat style EPDM or Buna-N diaphragm, constructed of nylon fabric bonded to synthetic rubber. The diaphragm shall not be utilized as the seating surface. No lip seals or packing glands shall be utilized to seal the actuator.
- 6. The valve bonnet shall be accurately attached to the valve body by locating pins or a machined locating lip located on the valve body and cover.

7. All external fasteners shall be stainless steel complete with stainless steel washers.
  8. Valves 3" and larger shall have stainless seat rings and a resilient disc constructed of EPDM or Buna-N for normal service conditions
- E. Pilot System:
1. The pilot control shall be of a diaphragm-actuated, three-way type that operates based on the differential force between the height of the water in the tank/reservoir and an adjustable spring load.
  2. The three-way valve body, seat and stem shall be of brass or stainless steel construction.
  3. Controls shall include adjustable closing speed control, y-strainer and pilot isolating valves.
  4. The valve shall function to close tightly when the water level reaches a pre-determined maximum level to prevent overflow and re-open to permit tank replenishment when the water level falls 12" to 18" below the maximum.
- F. Install valve in accordance with manufacturer's written instructions and approved submittals.
- G. Manufacturer's authorized representative shall be present at the jobsite for assistance if requested by owner or engineer during start-up and to train owner's personnel in the operation, maintenance and troubleshooting of the equipment provided.

## **2.13 COMBINATION AIR VALVE**

- A. Acceptable manufacturers:
1. Val-Matic
  2. A.R.I. Flow Control Accessories, Ltd.
  3. Or approved equal.
- B. Scope:
1. This specification is intended to cover the design, manufacture, and testing of 1 in. through 20 in. Combination Air Valves suitable for pressures up to 740 psig clean water or raw water service.
  2. Combination Air Valves shall be automatic float operated valves designed to exhaust large quantities of air during the filling of a piping system and close upon liquid entry. The valve shall open during draining or if a negative pressure occurs. The valve shall also release accumulated air from a piping system while the system is in operation and under pressure. The valve shall perform the functions of both Air Release and Air/Vacuum Valves and furnished as a Single Body or Dual Body Type.
- C. Connections:
1. Dual Body Valve sizes 3 in. and smaller and Single Body Valve sizes 4 in. and smaller shall have full size NPT inlets and outlets equal to the nominal valve size. The body inlet connection shall be hexagonal for a wrench connection.

2. Larger sizes shall have bolted flanged inlets and plain outlets and protective hoods to prevent debris from entering the valve. Flanges shall be in accordance with ANSI B16.1 for Class 125 or Class 250 iron flanges and ANSI B16.5 for Class 300 steel flanges. Class 125 iron flanges shall be used at all locations except for those on the discharge side of the high-service pumps where Class 250 iron flanges shall be used.
3. The valve shall have two additional NPT connections for the connection to gauges, testing, and draining.

#### D. Design:

1. Both Single and Dual Body Valves shall provide a through flow area equal to the nominal size. Floats shall be unconditionally guaranteed against failure including pressure surges. The cover shall be bolted to the body and sealed with a flat gasket. A resilient bumper shall be provided on 4 in. and larger sizes to cushion the float during sudden opening conditions. The resilient seat shall be replaceable and provide drop tight shut off to the full valve pressure rating.
2. Dual Body Combination Valves shall consist of an Air Release Valve piped to an Air/Vacuum Valve with a quarter-turn, full-ported bronze ball valve.
  - a. The Air Release Valve shall have a leverage mechanism with sufficient mechanical advantage so that the valve will open under full operating pressure. Simple lever designs shall consist of a single pivot arm and a resilient orifice button. Compound Lever Designs shall consist of two levers and an adjustable threaded resilient orifice button.
  - b. The Air/Vacuum Valve sizes 4 in. and larger shall have a cover fitted to the valve body by means of a machined register to maintain concentricity between the top and bottom guide bushings at all times. The float shall be double guided with a guide shaft extending through the float to prevent any contact with the body. The float shall be protected against direct water impact by an internal baffle bolted to the cover or integrally cast in the body. The seat shall be a minimum of .5 in. thick on 2 in. and larger valves and secured in such a manner as to prevent distortion. Valves with working pressures above 400 psig shall have metal seat with synthetic seals.
3. Single Body Combination Valves shall have an expanded outlet to provide full flow area around the guide mechanism. The valve shall have a double guided plug on 2 in. and larger sizes, and an adjustable threaded orifice button. The plug shall be protected against direct water impact by an internal baffle. On valve sizes 4 in. and smaller, the plug shall have a precision orifice drilled through the center stem. On valve sizes 6 in. and larger, air release and air/vacuum mechanisms shall be provided as separate units contained within the same body and meet the same design specifications for the Dual Body Combination Valve in section D.2 above.

#### E. Materials:

1. The valve body and cover shall be constructed of ASTM A126 Class B cast iron for Class 125 and Class 250 valves. Class 300 ductile iron valves shall be constructed of ASTM A536 Grade 65-45-12 ductile iron. Dual Body Class 300 steel valves shall be constructed of ASTM A216 Grade WCB cast steel.
2. The float, guide shafts, and bushings shall be constructed of Type 316 stainless steel.



Non-metallic floats, linkage, or bushings are not acceptable. Resilient seats shall be Buna-N. Class 300 steel Dual Body Valves shall have a 316 stainless steel seat with Buna-N seal to provide an initial contact to Buna-N with a final metal-to-metal contact to prevent over compression of the resilient seal.

## **2.14 FIRE HYDRANTS**

- A. Fire hydrant bonnet, upper barrel, and lower barrel and shoe shall be cast iron ASTM A126, CL.
  - B.
- B. Operating nut, pumper nozzle, hose nozzle, upper valve plate drain ring, seat ring, and hold-down nut shall be bronze, ASTM B584.
- C. Acceptable Manufacturers
  - 1. American-Darling, B-84-B.
  - 2. Mueller Centurion.
  - 3. Or approved equal.
- D. Fire Hydrants to Conform With AWWA C502
  - 1. Hydrant shall have a minimum design working pressure of 200 psig or 400 pig test pressure.
  - 2. Hydrant to have 2-2½-inch hose connections.
  - 3. Hydrants to have one - 4½-inch NTS pumper connection.
  - 4. Post-type dry barrel design.
  - 5. Dry top design with O-ring sealed oil reservoir.
  - 6. Break-away stem couplings.
  - 7. Compression-type main valve closes with pressure.
  - 8. Operating nut to open by turning left.
  - 9. Wrench nut and nozzle cap nuts shall be 1 1/2 inch National Pentagon in shape.
  - 10. Have field replaceable hose and pumper nozzles.
  - 11. Hose and pumper nozzles have large radius full-flow openings for low-friction flow.
  - 12. Contoured shoe to be designed for full flow.
  - 13. Have dual, bronze drain valves to provide effective barrel drainage.
  - 14. The size of the hydrant main opening shall be 5¼inch.
  - 15. The hydrant standpipe shall be 25% in excess of the main valve opening.
  - 16. Top of hydrant shall be of sufficient height above the ground surface to enable nozzles to be removed without wrench coming within approximately 2 inches of the ground surface.

17. The hub inlet shall be 6-inch mechanical joint.
18. The hydrant shall be painted bright red.
19. The hydrant shall be for 48-inch burial.
20. All hydrant hose threads shall have the thread pattern used by the Owner's fire department.
21. Gate valve and box. See specification Section 02510 - Potable and Non Potable Water Piping.
22. Pipe and pipe fittings, see specification Section 02510 - Potable and Non Potable Water Piping.

E. Hydrant Wrenches

1. The Contractor shall provide two wrenches for opening and closing the hydrant.

## 2.15 YARD HYDRANTS

- A. Yard Hydrants, Post Type: Non-freeze, post type, 3/4-inch inlet, integral or field installed vacuum breaker with outlet conforming to ASME B1.20.7 for garden hose thread. Hydrants shall be bronze casing, cast-iron or cast-aluminum casing guard, key operated, and tapped drain port in valve housing. Hydrant shall be of length required for installation of inlet valve below frost line.

## 2.16 WATER SERVICE TAPS AND LINES

A. Main Service Taps

1. For tapping mains during construction, the following 3/4" I.P. thread service tapping saddles shall be used with a ball valve corporation stop, BALLCORP TYPE FB1100 by Ford Meter Box Company, or an approved equal.

Pipe Size	----- Tapping Saddle -----	
	PVC Main	DIP Main
2"	Ford S71-203	
3"	Ford S71-303	
4"	Ford S71-403	101B-540
6"	Ford S71-603	101B-750
8"	Ford S71-803	101B-962
10"	Ford S71-1003	101B-1212

B. Plastic Service Lines

1. The following described plastic service line shall be installed where water mains are constructed of Class 200 PVC or Class 160 PVC pipe. Plastic service line shall be a Proguard 200 polyethylene plastic or resin rated for municipal, yard, and rural service and a maximum working pressure of 200 psi, as manufactured by Vanguard Plastics, Inc., or approved equal. The plastic shall be manufactured from premium, heavy duty polyethylene conforming to all applicable requirements in the latest revisions of ASTM D2737 Standard for Polyethylene PE 3408. Pipe shall be 3/4" nominal diameter and shall be approved for use with potable drinking water by the National Sanitation Foundation. The service line shall be marked with size, type of plastic material (PE 3408), standard dimension ratio (SDR 9), working pressure of (200 psi), ASTM specification (D 2737), manufacturer's name, the NSF seal of approval, and installed according to manufacturer's recommendations with CTS compression fittings.

C. Copper Service Lines

1. Contractor shall install 3/4" type K copper tube and service bore under all State Highways and/or asphalt pavement as indicated on the drawings. Copper service lines shall be 3/4" copper tube, size in conformance with ASTM D-2666 and be manufactured for use with standard flare or compression fittings not requiring heat, flame, cements, solvent welding, or special adapters. Copper tube shall be as specified in Section - 18110 - Pipe and Pipe Fittings. Tubing shall be approved for use with potable drinking water by the National Sanitation Foundation. The Contractor shall furnish the proper adapters for both ends of the service for the purpose of connecting the service line to the tap and to the meter setters.

**2.17 BACKFLOW PREVENTER**

- A. Backflow preventers shall consist of a dual check valve assembly with reduced pressure zones between the check valves. Backflow preventers shall be Cla-Val "Model RP-2", Febco "Model 825Y", Hersey "Beeco Model FRP-II", or Watts "No. 909" with bronze body and threaded end couplings. Valves shall conform to AWWA C-511 and be USC listed.

**2.18 WATER SERVICE METER SETTING EQUIPMENT**

- A. Each meter assembly shown on the project drawings shall include, at a minimum, one (1) of each of the following:
  1. Meter Pit.
  2. Pit Cover.
  3. Pressure Reducing Valve.
  4. Meter.
  5. Corporation Stop
  6. Backflow Preventer
- B. Components
  1. Plastic pit setter (Ford Meter Box Co., Inc., or approved equal). Single lid style, 20" dia. x 36" tall, 3/4" CTS pack joint inlet and 3/4" MIP threads outlet, copper tube riser to place meter within 10" of the top of pit, integral 3/4" flare copper connections, □S□ tube with



nuts and adapters, angle ball valve with lock wings on inlet equal to Ford KV13-332W, Check Valve on outlet equal to Ford HA31-323.

2. Plastic pit setter cover (Ford Meter Box Co., Inc., PMBC-3, or approved equal), without lock for 20" dia. pit.
3. 3/4" water pressure reducing valve (Watts Regulator Co., No. 5M3-26, or approved equal, with 7-1/2" lay length. Valve shall comply with A.S.S.E. 1003, Standard setting 50 lbs, field adjustable from 25 to 75 lbs., renewable stainless steel seat, stainless steel integral strainer, stainless steel screws, Union inlet connection, bronze body construction Buna-N nylon insert diaphragm.
4. 5/8" x 3/4" size meter conforming to AWWA specification C700 as most recently revised. Meters shall be bronze case with frost-proof construction, or molded or thermoplastic resin with frost-proof construction, or a combination of bronze man case and plastic measuring chamber, large, legible, straight reading register in U.S. gallons, magnetic drive, hermetically sealed register with leak detection indication. Meter shall be Triseal as manufactured by Neptune Company, Badger Company, Carlon, Rockwell, Kent, or equal. 5/8" x 3/4" size meters shall have a safe operating capacity of 20 gpm minimum. All meters shall be of the same type and manufacturer.

## 2.19 SEWER SERVICE TAPS

### A. Sewer Service Taps

1. For tapping sewer mains during construction, the following sewer service tapping saddle tees shall be used. The sewer service inlet line size shall conform to line size indicated in the plans. The tapping saddle tee shall consist of elastomeric construction and allow for connection to sewer mains between 4" and 12" in diameter. The tapping saddle shall be connected to the sewer main via two all stainless steel series 300 clamps. All edges of the elastomeric tapping saddle tee shall be reinforced with steel to prevent distortion when torque is applied to the stainless steel bands.

----- Sewer Tapping Saddle Tee -----		
Main Size	Inlet Size	Model
4" to 12"	4"	DFW-4T/C
4" to 12"	6"	DFW-4T/C

## 2.20 PRESSURE SENSOR

### A. Refer to Division 16 – Electrical and Division 17 – Instrumentation

1. Pressure sensor shall be wafer type, designed to fit between standard ANSI B16.1 Class 125/ANSI B16.5 Class 150 pipe flanges. Face-to-face of the entire sensor shall be no longer than specification MSS-SP67.
2. Sensor shall be flow through design with flexible elastomer sensing ring around the full circumference. The elastomer sensing ring shall be rigidly clamped between metal end cover flanges, and no part of the elastomeric sensing ring shall be exposed to the external face of the sensor. There shall be no dead ends or crevices, and flow passage shall make the sensor self-cleaning.
3. The pressure-sensing ring shall measure pressure for 360° around the full inside

circumference of the pipeline. Flexible sensing ring shall have a cavity behind the ring filled with fluid to transfer pressure to the gauge.

4. Line pressure pushes against an elastomer ring inside the sensor. The deflection of the ring displaces a fluid fill inside the body of the sensor, forcing the fluid into a pressure-measuring device.
5. Provide ethylene glycol for the fluid fill in the pressure sensing ring cavity.
9. Provide pressure gage, 0-100 psi; pressure switch and appurtenant hardware including fittings and isolation valves for a complete and operable system.
10. Function of the pressure sensor is to deactivate the sewage pump should the pump be running but not developing sufficient pressure force the sewage through the force main.

## **2.20 AIR RELEASE AND VACUUM RELIEF VALVES, WASTEWATER SERVICE**

- A. Individual air release valves and combination air release and vacuum relief valve assemblies shall be installed in the locations indicated on the Drawings. Each valve assembly shall be installed complete with appurtenant tap, piping and valves as specified or indicated on the Drawings.
- B. Individual air release valves shall be ARI Model S-025, DeZurik APCO Series 400 or 450 or Engineer approved equal.
- C. Combination air release and vacuum relief valves shall be of the integral type with valve assembly which functions as both an air and vacuum valve and an air release valve.
- D. The valves shall be designed for a water working pressure of 300 psi and have stainless steel floats. All working parts shall be constructed of brass, stainless steel or other corrosion resistant materials.
- E. The exhaust from each valve shall be piped to a suitable disposal point or wet well. A shutoff valve shall be provided in the piping to each air release valve or combination air release and vacuum relief valve assembly.

### **F. Valve Schedule**

Type:	Air Release
Location:	6 <sup>th</sup> Street Pump Station Valve Vault
Valve Body or Flange size, minimum:	2-inch
Valve orifice size, minimum:	3/8-inch

## **2.19 SHOP PAINTING**

- A. Prepare surfaces and paint or coat all buried valves and interior of exposed valve all related accessories standard of the manufacturer, unless otherwise specified herein.
- B. Exposed valves shall have exterior coating conforming to Division 9.
- C. Paint and coatings shall be suitable for the service intended.

## **PART 3 - EXECUTION**



### **3.01 INSTALLATION**

- A. General Application: Use mechanical joint end valves for 3-inch and larger buried installation. Use threaded and flanged end valves for installation in pits and inside building.
- B. Gate Valves: Comply with AWWA C600. Install buried valves with stem pointing up and with cast-iron valve box.
- C. Plug Valves and Butterfly Valves: Shall normally be installed with horizontal shafts to protect bearings from settled solids.
- D. Thoroughly clean and remove all shipping materials prior to setting. Operate all valves from fully opened to totally closed.
- E. Install eccentric plug valves in reverse position (flow and pressure against the plug face when closed) in all lines. When installed horizontally with shaft in the horizontal, the plug shall rotate open to the top recess of the valve body.

### **3.02 FIELD TESTING**

- A. Perform pressure tests on valves as specified in Division 18 for the adjoining piping.

### **3.03 CLEANING**

- A. Clean and disinfect potable water distribution piping as follows:
  - 1. Purge all new water distribution piping systems and parts of existing systems that have been altered, extended, or repaired, prior to use.
  - 2. Use the purging and disinfecting procedure prescribed by the authority having jurisdiction or, in case a method is not prescribed by that authority, use the procedure described in AWWA C651, or as described below:
    - a. Fill the system or part thereof with a water/chlorine solution containing at least 50 parts per million of chlorine. Isolate (valve off) the system or part thereof and allow to stand for 24 hours.
    - b. Drain the system or part thereof of the previous solution and refill with a water/chlorine solution containing at least 200 parts per million of chlorine and isolate and allow to stand for 3 hours.
    - c. Following the allowed standing time, flush the system with clean, potable water until chlorine does not remain in the water coming from the system.
    - d. Submit water samples in sterile bottles to the authority having jurisdiction. Repeat the procedure if the biological examination made by the authority shows evidence of contamination.

END OF SECTION