

Work Order Authorization Information

Header Detail

Work Order: 800041		Company: Spire Missouri Inc.	
Work Order Title: Liberty Header - Phase 4 IUI		Business Segment: Missouri West	
Wo Type Description: WO-Replacement Mains & Svcs MGE		Functional Class: Distribution Plant	
Work Order Group:		Department Code: 20648	
Current Revision: 1		Department Description: Construction & Maintenance - Region 2A - Unio	
Funding Project: F0599		Budget Description: Replace cast iron main - CPI / prio	
Funding Project Desc: Main Replacement - ISRS (N)		Est. Annual Revenue:	
Eligible for AFUDC yes	Eligible for CPI: yes	Reimbursement Type: None	
Reason Code: Strategic		Retirement Type:	
WO Description: Install 1450 ft of 4 in and 355 ft of 2 in PL IP main on E Mill St and W Liberty Dr. Abandon 58 ft of 4 in PL, 255 ft of 2 in Steel, 9 ft of 4 in Steel, 760 ft of 5 in Steel, and 609 ft of 6 in Steel main at the same location.			
Major Location: 1207-Liberty		Status: posted to CPR	
Asset Location: 1207-020001 CLAY CTY/LIBERTY			
Estimated Start Date: Apr 08, 2016		Estimated Completion Date: Aug 01, 2016	
		Estimated In-Service Date: Aug 01, 2016	
Notes: Total Service Estimate: 20 Service Tie-Over. Main is being installed as part of the FY 2016 Bare Steel Replacement Program.			

Reason for Work (Justification)

Approvals

Level	Approver	Approval Limit	Date Approved
Operational Accounting	Muehlenkamp, Anne	\$0	4/13/2016
Engineering Review-Dist	Hoeferlin, Craig	\$0	4/13/2016
VP Field Operations-MGE	Hampton, Joe	\$500,000	4/13/2016

***** Unit Estimate *****

Utility Account	Additions	Removal Cost	Total Expenditures	Retirement Value	Salvage
376100-Mains - Steel	\$0.00	\$4,760.49	\$4,760.49	\$0.00	\$0.00
376300-Mains - Plastic	\$112,370.75	\$451.51	\$112,822.26	\$0.00	\$0.00
Total Estimated Costs:	\$112,370.75	\$5,212.00	\$117,582.75	\$0.00	\$0.00

Work Order Authorization Information

***** Unit Estimate *****

Asset Location						
Utility Account						
Retirement Unit						
Est. Chg Type	Addition Dollars	Retirement Dollars	Add Qty	Retire Qty	Add Hrs	Retire Hrs
1207-020001 CLAY CTY/LIBERTY						
376300-Mains - Plastic						
Mains-Plastic 2"						
Contractor Work	\$10,651.96	\$0.00	0	0	0	0
Overheads Capitalized - General	\$2,295.36	\$0.00	0	0	0	0
Stores	\$824.83	\$0.00	355	0	0	0
Mains-Plastic 4"						
Contract Payroll	\$5,224.64	\$0.00	0	0	0	0
Contractor Work	\$60,313.07	\$360.92	0	0	0	0
Department Clearings	\$3,134.78	\$0.00	0	0	0	0
Overheads Capitalized - Benefits	\$3,239.28	\$0.00	0	0	0	0
Overheads Capitalized - General	\$15,849.68	\$75.25	0	0	0	0
Payroll Taxes	\$522.46	\$0.00	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	58	0	0
Stores	\$10,314.69	\$15.34	1450	0	0	0
SubTotal Utility Account:	\$112,370.75	\$451.51	1,805.00	58.00	0.00	0.00
376100-Mains - Steel						
Mains-Steel 2"						
Overheads Capitalized - General	\$0.00	\$1.66	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	255	0	0
Stores	\$0.00	\$8.28	0	0	0	0
Mains-Steel 4"						
Contractor Work	\$0.00	\$1,139.68	0	0	0	0
Overheads Capitalized - General	\$0.00	\$245.94	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	9	0	0
Stores	\$0.00	\$90.03	0	0	0	0
Mains-Steel 5"						
Overheads Capitalized - General	\$0.00	\$14.24	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	760	0	0
Stores	\$0.00	\$71.20	0	0	0	0
Mains-Steel 6"						
Contractor Work	\$0.00	\$1,709.52	0	0	0	0
Overheads Capitalized - General	\$0.00	\$531.58	0	0	0	0
Retirement Value	\$0.00	\$0.00	0	609	0	0
Stores	\$0.00	\$948.36	0	0	0	0
SubTotal Utility Account:	\$0.00	\$4,760.49	0.00	1,633.00	0.00	0.00
SubTotal Location:	\$112,370.75	\$5,212.00	1,805.00	1,691.00	0.00	0.00
Total Unit Estimate:	\$112,370.75	\$5,212.00	1,805	1,691	0	0

***** Class Codes *****
Work Order Authorization Information

Class Code	Value
cap_expense	capital
ISRS Reason	03 - Bare Steel Replacement
isrs_recov	yes
ohbenefits	yes
ohgen_supv	yes
prod_nonprod	prod
Project Classification	both

***** As-Built *****

Asset Location
 Utility Account
 Exp Type

Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
1207-020001 CLAY CTY/LIBERTY				
376100-Mains - Steel				
Retirement				
Contract Payroll	Mains-Steel 6"		\$64.82	0
Contract Payroll	Mains-Steel 5"		\$64.82	0
Contract Payroll	Mains-Steel 2"		\$64.82	0
Contract Payroll	Mains-Steel 4"		\$64.82	0
Contractor Work	Mains-Steel 2"		\$2,163.68	0
Contractor Work	Mains-Steel 6"		\$3,081.92	0
Contractor Work	Mains-Steel 5"		\$1,283.00	0
Contractor Work	Mains-Steel 4"		\$3,562.36	0
Department Clearings	Mains-Steel 5"		\$56.07	0
Department Clearings	Mains-Steel 2"		\$56.07	0
Department Clearings	Mains-Steel 6"		\$56.07	0
Department Clearings	Mains-Steel 4"		\$56.07	0
Mechanical Equipment	Mains-Steel 2"		\$13.40	0
Mechanical Equipment	Mains-Steel 4"		\$13.40	0
Mechanical Equipment	Mains-Steel 5"		\$13.40	0
Mechanical Equipment	Mains-Steel 6"		\$13.40	0
Overheads Capitalized - Benefits	Mains-Steel 5"		\$36.23	0
Overheads Capitalized - Benefits	Mains-Steel 2"		\$36.23	0
Overheads Capitalized - Benefits	Mains-Steel 4"		\$36.23	0
Overheads Capitalized - Benefits	Mains-Steel 6"		\$36.23	0
Overheads Capitalized - General	Mains-Steel 6"		\$1,395.03	0
Overheads Capitalized - General	Mains-Steel 4"		\$1,601.04	0
Overheads Capitalized - General	Mains-Steel 5"		\$555.12	0
Overheads Capitalized - General	Mains-Steel 2"		\$999.32	0
Payroll Taxes	Mains-Steel 5"		\$9.85	0
Payroll Taxes	Mains-Steel 2"		\$9.85	0
Payroll Taxes	Mains-Steel 6"		\$9.85	0
Payroll Taxes	Mains-Steel 4"		\$9.85	0
Retirement Value	Mains-Steel 4"		\$817.39	181
Retirement Value	Mains-Steel 6"		\$2,161.36	604
Retirement Value	Mains-Steel 4"		\$1,358.36	8
Retirement Value	Mains-Steel 5"		\$275.10	777
Retirement Value	Mains-Steel 2"		\$257.55	255

Work Order Authorization Information

***** As-Built *****

Asset Location				
Utility Account				
Exp Type				
Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:				
1207-020001 CLAY CTY/LIBERTY				
376100-Mains - Steel				
Retirement				
Stores	Mains-Steel 4"		\$181.64	0
Stores	Mains-Steel 6"		\$177.34	0
Stores	Mains-Steel 2"		\$164.50	0
			Retirement Total:	1,825
			\$20,756.19	
376300-Mains - Plastic				
Addition				
Contract Payroll	Mains-Plastic 2"		\$324.10	0
Contract Payroll	Mains-Plastic 4"		\$1,296.40	0
Contractor Work	Mains-Plastic 4"		\$78,832.38	0
Contractor Work	Mains-Plastic 2"		\$15,184.02	0
Department Clearings	Mains-Plastic 2"		\$280.35	0
Department Clearings	Mains-Plastic 4"		\$1,121.39	0
Mechanical Equipment	Mains-Plastic 4"		\$268.00	0
Mechanical Equipment	Mains-Plastic 2"		\$67.00	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$724.69	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$181.17	0
Overheads Capitalized - General	Mains-Plastic 4"		\$37,127.48	0
Overheads Capitalized - General	Mains-Plastic 2"		\$6,934.75	0
Overheads Capitalized - General	Mains-Plastic 4"		\$196.87	0
Payroll Taxes	Mains-Plastic 4"		\$197.05	0
Payroll Taxes	Mains-Plastic 2"		\$49.26	0
Stores	Mains-Plastic 4"		\$8,526.39	1,520
Stores	Mains-Plastic 2"		\$1,017.24	629
			Addition Total:	2,149
			\$152,328.54	
Retirement				
Contract Payroll	Mains-Plastic 2"		\$64.82	0
Contract Payroll	Mains-Plastic 6"		\$64.82	0
Contract Payroll	Mains-Plastic 4"		\$64.82	0
Contractor Work	Mains-Plastic 6"		\$1,824.38	0
Contractor Work	Mains-Plastic 2"		\$1,283.00	0
Contractor Work	Mains-Plastic 4"		\$1,643.92	0
Department Clearings	Mains-Plastic 6"		\$56.07	0
Department Clearings	Mains-Plastic 2"		\$56.07	0
Department Clearings	Mains-Plastic 4"		\$56.07	0
Mechanical Equipment	Mains-Plastic 6"		\$13.40	0
Mechanical Equipment	Mains-Plastic 4"		\$13.40	0
Mechanical Equipment	Mains-Plastic 2"		\$13.40	0
Overheads Capitalized - Benefits	Mains-Plastic 6"		\$36.23	0
Overheads Capitalized - Benefits	Mains-Plastic 4"		\$36.23	0
Overheads Capitalized - Benefits	Mains-Plastic 2"		\$36.23	0
Overheads Capitalized - General	Mains-Plastic 6"		\$793.24	0
Overheads Capitalized - General	Mains-Plastic 2"		\$555.12	0
Overheads Capitalized - General	Mains-Plastic 4"		\$708.51	0
Payroll Taxes	Mains-Plastic 4"		\$9.85	0

Work Order Authorization Information

***** As-Built *****

Asset Location	Utility Account	Exp Type	Est Charge Type	Retirement Unit	Job task	Dollars	Quantity
Used in Unitization:							
1207-020001 CLAY CTY/LIBERTY							
376300-Mains - Plastic							
Retirement							
				Payroll Taxes	Mains-Plastic 2"	\$9.85	0
				Payroll Taxes	Mains-Plastic 6"	\$9.85	0
				Retirement Value	Mains-Plastic 2"	\$1,548.11	200
				Retirement Value	Mains-Plastic 2"	\$576.93	128
				Retirement Value	Mains-Plastic 4"	\$436.32	38
				Retirement Value	Mains-Plastic 4"	\$1,053.19	46
				Retirement Value	Mains-Plastic 6"	\$2,958.48	92
				Stores	Mains-Plastic 6"	\$18.90	0
				Retirement Total:		\$13,941.21	504
380100-Services - Steel							
Retirement							
				Contractor Work	Services-Steel	\$40.54	0
				Overheads Capitalized - General	Services-Steel	\$17.23	0
				Retirement Value	Services-Steel	\$14.48	13
				Retirement Total:		\$72.25	13
380200-Services - Plastic & Copper							
Addition							
				Contract Payroll	Services-Plastic	\$324.10	0
				Contractor Work	Services-Plastic	\$10,030.16	0
				Department Clearings	Services-Plastic	\$280.35	0
				Mechanical Equipment	Services-Plastic	\$67.00	0
				Overheads Capitalized - Benefits	Services-Plastic	\$181.17	0
				Overheads Capitalized - General	Services-Plastic	\$4,901.85	0
				Payroll Taxes	Services-Plastic	\$49.26	0
				Stores	Services-Plastic	\$1,387.80	808
				Addition Total:		\$17,221.69	808
Retirement							
				Contractor Work	Services-Plastic	\$40.54	0
				Overheads Capitalized - General	Services-Plastic	\$17.23	0
				Retirement Value	Services-Plastic	\$375.42	13
				Retirement Value	Services-Plastic	\$97.25	13
				Retirement Value	Services-Plastic	\$269.28	16
				Retirement Value	Services-Plastic	\$609.80	118
				Retirement Total:		\$1,409.52	160
				Location Total:		\$169,550.23	2,957
				Used in Unitization:		\$169,550.23	2,957
				Unit Estimate Total:		\$169,550.23	2,957

Work Order Authorization Information

***** Work Order Retirements *****

Business Segment	GL Account				
Asset Location					
Utility Account					
Retirement Unit					
Asset Description		Vintage	Activity Code	Retire Qty	Retirement Amount
Posted Retirements:					
Missouri West	101000::Gas Plant in Service				
1207-020001 CLAY CTY/LIBERTY					
376100-Mains - Steel					
Mains-Steel 2"					
OCR		1956	URET	255	\$257.55
Mains-Steel 4"					
OCR		1965	URET	181	\$817.39
OCR		1995	URET	8	\$1,358.36
Mains-Steel 5"					
OCR		1930	URET	777	\$275.10
Mains-Steel 6"					
OCR		1953	URET	604	\$2,161.36
				Utility Account Total:	\$4,869.76
376300-Mains - Plastic					
Mains-Plastic 2"					
OCR		1981	URET	128	\$576.93
OCR		1982	URET	200	\$1,548.11
Mains-Plastic 4"					
OCR		1977	URET	46	\$1,053.19
OCR		1982	URET	38	\$436.32
Mains-Plastic 6"					
OCR		1993	URET	92	\$2,958.48
				Utility Account Total:	\$6,573.03
380100-Services - Steel					
Services-Steel					
OCR		1959	URET	13	\$14.48
				Utility Account Total:	\$14.48
380200-Services - Plastic & Copper					
Services-Plastic					
OCR		1986	URET	16	\$269.28
OCR		1989	URET	13	\$97.25
OCR		1993	URET	118	\$609.80
OCR		2016	URET	13	\$375.42
				Utility Account Total:	\$1,351.75
				Location Total:	\$12,809.02
				GL Account Total:	\$12,809.02
				Posted Retirements:	\$12,809.02
				Work Order Total:	\$12,809.02