City of Lawrence Proposed 2012 CIP

1 Water Kaw Intake 7,150,000 2 Water Oread Water Storage 1,200,000 Update Preliminary Design, Conveyance Routing & Property Acquisition 1,600,000 2012 Waterline Rehabilitation and 4 Replacement Program 1,423,300 Clinton Intake, WWTP: Blower Building, Excess Flow Pumping Station, Influent Pumping Station, Influent Pumping Station, Variable Frequency Drive Replacement Program - 5 Clinton HSPS #1 5 Drives 500,000 6 WW: I/I - Various locations CIPP 925,000 7 Distribution System Concrete Water Main Field Assessment 350,000 8 Kaw treatment basins Structural Concrete Repair 350,000 9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 350,000 10 Distribution System Large Valve Replacement 150,000 Pump Efficiency & Control Program - Add VFD to PS 4, Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 13 PS 4 & 5 - Station Improvements Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150				
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Update Preliminary Design, Conveyance Routing & Property Acquisition 2012 Waterline Rehabilitation and 4 Replacement Program Clinton Intake, WWTP: Blower Building, Excess Flow Pumping Station, Influent Pumping Station, Clinton HSPS #1 5 Drives 5 Clinton HSPS #1 5 Drives 5 Olistribution System Concrete Water Main Field Assessment 350,000 8 Kaw treatment basins Structural Concrete Repair 350,000 9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 150,000 10 Distribution System Large Valve Replacement 150,000 11 PS 4, PS 5 A/B, Clinton Intake PS 4, Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 13 PS 4 & 5 - Station Improvements Hereiror coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	1	Water	Kaw Intake	7,150,000
3 Wakarusa WWTP & Property Acquisition 1,600,000 2012 Waterline Rehabilitation and 4 Replacement Program 1,423,300 Clinton Intake, WWTP: Blower Building, Excess Flow Pumping Station, Influent Pumping Station, 5 Clinton HSPS #1 5 Drives 500,000 6 WW: I/I - Various locations CIPP 925,000 7 Distribution System Concrete Water Main Field Assessment 350,000 8 Kaw treatment basins Structural Concrete Repair 350,000 9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 150,000 10 Distribution System Large Valve Replacement 150,000 11 PS 4, PS 5 A/B, Clinton Intake PS 4, Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 13 PS 4 & 5 - Station Improvements Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	2	Water	Oread Water Storage	1,200,000
2012 Waterline Rehabilitation and 4 Replacement Program 1,423,300 Clinton Intake, WWTP: Blower Building, Excess Flow Pumping Station, Influent Pumping Station, 5 Clinton HSPS #1 5 Drives 500,000 6 WW: I/I - Various locations CIPP 925,000 7 Distribution System Concrete Water Main Field Assessment 350,000 8 Kaw treatment basins Structural Concrete Repair 350,000 9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 150,000 10 Distribution System Large Valve Replacement 150,000 Pump Efficiency & Control Program - Add VFD to PS 4, PS 5 A/B, Clinton Intake PS4 , Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 Emergency Bypass Pumping Connection and Flow 13 PS 4 & 5 - Station Improvements Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and			Update Preliminary Design, Conveyance Routing	
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7 Distribution System Concrete Water Main Field Assessment 350,000 8 Kaw treatment basins Structural Concrete Repair 350,000 9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 350,000 10 Distribution System Large Valve Replacement 150,000 Pump Efficiency & Control Program - Add VFD to PS 4, PS 5 A/B, Clinton Intake PS4 , Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 Emergency Bypass Pumping Connection and Flow 13 PS 4 & 5 - Station Improvements Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	5	Clinton HSPS #1	5 Drives	500,000
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9 Kaw Treatment Plant Sand Screen & Process Equipment Replacement 350,000 10 Distribution System Large Valve Replacement 150,000 Pump Efficiency & Control Program - Add VFD to PS 4, PS 5 A/B, Clinton Intake PS4, Add VFDs PS 5B, Clinton Intake #3 500,000 12 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 Emergency Bypass Pumping Connection and Flow 13 PS 4 & 5 - Station Improvements Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	7	Distribution System	Concrete Water Main Field Assessment	350,000
10 Distribution System Large Valve Replacement Pump Efficiency & Control Program - Add VFD to PS4 , PS 5 A/B, Clinton Intake PS4 , Add VFDs PS 5B, Clinton Intake #3 500,000 Elevated storage tanks Harper, 6th & Kasold, Kaw 40,000 Emergency Bypass Pumping Connection and Flow Meter for PS 4 & 5 160,000 14 Kaw WTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	8	Kaw treatment basins	Structural Concrete Repair	350,000
Pump Efficiency & Control Program - Add VFD to PS 4, PS 5 A/B, Clinton Intake PS4 , Add VFDs PS 5B, Clinton Intake #3 PS 4, PS 5 A/B, Clinton Intake PS4 , Add VFDs PS 5B, Clinton Intake #3 PS 4 & 5 - Station Improvements PEmergency Bypass Pumping Connection and Flow Meter for PS 4 & 5 Meter for PS	9	Kaw Treatment Plant	Sand Screen & Process Equipment Replacement	350,000
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Emergency Bypass Pumping Connection and Flow Meter for PS 4 & 5 - Station Improvements Kaw WTP Interior coatings WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	11	PS 4, PS 5 A/B, Clinton Intake	PS4 , Add VFDs PS 5B, Clinton Intake #3	500,000
13PS 4 & 5 - Station ImprovementsMeter for PS 4 & 5160,00014Kaw WTPInterior coatings174,15015WWTPInterior coatings174,150Zebra Mussel Study & Mitigation for Kaw and	12	Elevated storage tanks	Harper, 6th & Kasold, Kaw	40,000
14 Kaw WTP Interior coatings 174,150 15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and			Emergency Bypass Pumping Connection and Flow	_
15 WWTP Interior coatings 174,150 Zebra Mussel Study & Mitigation for Kaw and	13	PS 4 & 5 - Station Improvements	Meter for PS 4 & 5	160,000
Zebra Mussel Study & Mitigation for Kaw and	14	Kaw WTP	Interior coatings	174,150
, -	15	WWTP	Interior coatings	174,150
16 Treatment Plants Clinton WTPs 100,000			Zebra Mussel Study & Mitigation for Kaw and	
<u> </u>	16	Treatment Plants	Clinton WTPs	100,000
Total Cost* 15,146,600			Total Cost*	15,146,600

^{*} Matches CIP Funds used in the Rate Model