

SIX-YEAR CAPITAL IMPROVEMENT PLAN 2018-2023



MARCH 6, 2018

ADOPTED BY RES:18-1174

RESOLUTION NO. 18-1174

ESTABLISHING THE CITY'S CAPITAL IMPROVEMENT PROGRAM FOR THE PERIOD OF 2018 – 2023. KELSO A RESOLUTION OF THE CITY COUNCIL OF THE CITY RELATED TO CAPITAL IMPROVEMENTS AND OF

ofImprovement needs as properly determined, given the limited resources available; and 8 Capital Improvement Program will effectuate and insure WHEREAS, the Council finds that the formal adoption of a process for the formulation that the City's Capital

implement the City's Capital Improvement needs for the period of 2018 - 2023; and WHEREAS, Staff has prepared a Capital Improvement Program to identify and

plan as the official Capital Improvement Plan of the City of Kelso, Washington; and the needs and priorities for the period slated, and by the Resolution seeks to formally adopt such WHEREAS, the Council finds that the Plan submitted is consistent with its assessment of

Works Trust Fund Loan Program; now, therefore loan requests to include the Washington State Department of Community Development Public Capital Improvement Plan that will qualify as a condition for the submission of various grant and WHEREAS, the Council, further by this Resolution, seeks to formulate a six (6) year

directed to implement the City's Capital Improvements in accordance with said Plan superseding adopted as the official Capital Improvement Program for the City of Kelso, Capital Improvement Projects 2018 T IS HEREBY RESOLVED that the document entitled "City of Kelso, Washington, and replacing any prior edition of the - 2023," marked as Capital Improvement Program. Exhibit A and attached hereto, Washington, Staff is IS

arch ADOPTED by the City Council and SIGNED by the Mayor this 2018 6 th day of

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MAYOR malone

ATTEST/AUTHENTICATION:

CITY CLERK

APPROVED AS TO FORM:

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CAPITAL IMPROVEMENT PROJECTS 2018-2023

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 Tam O'Shanter Parking Improvements
 P-1

 * These project have no limits currently designated or take

place city wide



CITY OF KELSO WATER SYSTEM PROJECTS 2018-2023 CIP

Project Title:	Annual Small Diameter / AC Replacement
Description:	This program provides for the installation of new waterlines to replace substandard lines, replacement of small (2"
	to 4") lines, and old lines in conjunction with other projects. This list of project locations will be reviewed each
	year to assure priorities are correct.
Location:	This program is city wide. Specific lines and locations are determined yearly based on identified issues and other
	projects.



Project Status :		
 Annual Program Concept/Preliminary Plannin Preliminary Design Final Plans & Specifications Construction 	g	
Land Status:		
 No Land Involved City Owned Partially Owned Not Yet Acquired 		
Estimated Capital Costs:		
Planning, Design, Engineering :	\$	145,000.00
Land Purchase :		
a .	¢	1 205 000 00
Construction :	\$	1,505,000.00
Construction : Contingency Allowance (10%) :	\$	1,505,000.00
Construction : Contingency Allowance (10%) :	\$	1,505,000.00
Construction : Contingency Allowance (10%) : Total CIP Capital Cost :	\$	1,505,000.00
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ	\$ \$ ing	1,303,000.00 1,450,000 (Percent)
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds : Revenue Bonds :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds :	\$ \$	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid : Federal Aid :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%
Construction : Contingency Allowance (10%) : Total CIP Capital Cost : Proposed Method of Financ Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid : Federal Aid : Other :	\$ \$ ing	1,303,000.00 1,450,000 (Percent) 100%

2018-2023

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 20,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000		\$ 145,000
Land Acquisition								\$-
Construction	\$ 180,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000		\$ 1,305,000
Other								\$-
Total Cost :	\$ 200,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$-	\$ 1,450,000

Project Narrative:

Many segments of the City's water system consist of old lines that no longer adequately serve customers. Dead end and undersized lines provide inadequate fire flow, insufficient pressure and low water quality. Often these lines require frequent repairs that consumes a high level of maintenance resources. In addition, damage or failure of these lines can result in damage to roadways or other infrastructure. This yearly program will look to update substandard portions of the water system to lower maintenance costs, improve system reliability and safety and lower the possibilities of damage to other infrastructure due to failure.

The 2018 allocation will construct a 1000-foot upgrade from existing 4-inch diameter cast iron pipe to 8-inch diameter ductile iron pipe on Columbia Street between N. 4th Avenue and N. 7th Avenue.

Project Title:	Water Treatment Plant Backwash Recovery Evaluation					
Description:	This project provides for a consultant contract to evaluate the feasibility backwash recovery system to plant					
	operations and reduce sewer discharges.					
Location:	City of Kelso Water Treatment Plant – 101 Cedar St.					
		Project Status:				
		 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 				
		Land Status:				
outilie Rive		 No Land Involved City Owned Partially Owned Not Yet Acquired 				
		Estimated Capital Costs:				
Project Locati	ion SEDAR ST	Planning, Design, Engineering : \$ 50,000.00				
City of Ke		Land Purchase :				
Water frediment f		Construction :				
		Contingency Allowance (10%) :				
		Total CIP Capital Cost : \$ 50,000				
		Proposed Method of Financing (Percent)				
		Current Revenue : 100%				
		General Obligation Bonds :				
A ASSING	MIL ST	Revenue Bonds :				
	Source: Esri, DigitalGlobe, Geo Eve, Earthstar	Reserve Funds :				
	Geographics, CNES/Airbus DS, USDA, USGS, AEX,	State Aid :				
	User Community	Federal Aid :				
		Other :				

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 50,000							\$ 50,000
Land Acquisition								\$ -
Construction								\$-
Other								\$ -
Total Cost :	\$ 50,000	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ 50,000

Project Narrative:

The projected expenditure is to contract a consultant to perform an evaluation of the feasibility of installing a backwash recovery system at the water treatment plant. A backwash recovery system will provide the treatment plant with an ability to recycle water used in a backwash process and lower the amount of water sent into the sanitary sewer system. The reduction of the discharge of backwash water will result in lower treatment fees reducing the operating costs of the plant.

Project Title:	Water Infrastructure Mapping
Description:	This project will provide enhanced information on the location of City water system infrastructure. The funding will allow for
	the purchase of improved location equipment and staff time to create a current and accurate map of the water system element.
Location:	City Wide



Project Status :		
 Annual Program Concept/Preliminary Plannin, Preliminary Design Final Plans & Specifications Construction 	g	
Land Status:		
 No Land Involved City Owned Partially Owned Not Yet Acquired 		
Estimated Capital Costs:		
Planning, Design, Engineering :	\$	25,000.00
Land Purchase :		
Construction :		
Contingency Allowance (10%):		
Total CIP Capital Cost :	\$	25,000
Proposed Method of Financ	ing (Percent)
Current Revenue :		100%
General Obligation Bonds :		
Revenue Bonds :		
Reserve Funds :		
State Aid :		
Federal Aid :		
Other :		
General Obligation Bonds : Revenue Bonds : Reserve Funds :		
Federal Aid :		
Other :		

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 25,000							\$ 25,000
Land Acquisition								\$-
Construction								\$-
Other								\$-
Total Cost :	\$ 25,000	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$ 25,000

Project Narrative:

The project provides for the updating of the existing mapping information for the water system. Survey work will utilize GPS survey equipment to record the locations of features and GIS software will be used to create new map data from this information. This information will augment the existing water mapping data and generate new data not previously included in the City's mapping data.

Project Title:	West Kelso - Cowlitz Way Connection							
Description:	Install approximately 500 LF of new 12" watermain from Cowlitz Way Bridge to Church Street.							
Location:	Cowlitz Way Bridge – North 1st Avenue to Church Street.							
		Project Status:						
	COLUMET TO SCALE	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 						
		Land Status:						
	CRAWFORD ST	 No Land Involved City Owned Partially Owned Not Yet Acquired 						
	COMUTE WAY	Estimated Capital Costs:						
		Planning, Design, Engineering : \$ 75,000.00						
GRANTST	Cowlitz Way	Land Purchase :						
	Waterline Crossing	Construction : \$ 800,000.00						
		Contingency Allowance (10%) :						
	Contraction of the second seco	Total CIP Capital Cost : \$ 875,000						
		Proposed Method of Financing (Percent)						
Same and the second sec		Current Revenue : 100%						
		General Obligation Bonds :						
		Revenue Bonds :						
LINCOLN 8	Source: Esri, DigitalGlobe, GeoEye, Earthstar 🖊 Geographics, CNES <mark>/Atrous DS, USDA, USCS, A</mark> EX.	Reserve Funds :						
	Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the CIS	State Aid :						
		Federal Aid :						
		Other :						

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 75,000							\$ 75,000
Land Acquisition								\$-
Construction	\$ 800,000							\$ 800,000
Other								\$-
Total Cost :	\$ 875,000	\$-	\$-	\$-	\$-	\$-	\$-	\$ 875,000

Project Narrative:

The existing water line crosses the Cowlitz River on the Cowlitz Way Bridge and continues under the BNSF Railroad tracks. The connection provides a critical system redundancy. This connection has failed.

This project will replace the existing failed connection under the BNSF Railroad tracks with a line connecting on the Cowlitz Way Bridge removing it from the BNSF Right of Way.

Project Title:	Minor Road Reservoir Replacement	
Description:	Replace the existing Minor Road Reservoir with a single, concrete 2	million gallon reservoir.
Location:	Minor Rd. reservoir site.	
		Project Status:
	To scale	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction
		Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired
R	Project Location Minor Road eservoir Replacement	Estimated Capital Costs:Planning, Design, Engineering :Land Purchase :Construction :\$ 3,700,000.00Contingency Allowance (10%) :
	MT BRYNION ST MT BRYNION RD	Total CIP Capital Cost : \$ 3,700,000
BLOYD ST	SUNNYSIDE ST SUNRISE ST BLOYD ST Source: Esrl, DigitalClobe, GeoEye, Earthstar Ceographics, CNES/Airbus DS, USDA, USCS, AEX, Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community	Proposed Method of Financing (Percent) Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid : Federal Aid :
		Otner : 100%

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering								\$-
Land Acquisition								\$-
Construction	\$ 3,700,0	00						\$ 3,700,000
Other								\$-
Total Cost :	\$ 3,700,0	00 \$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ 3,700,000

Project Narrative:

The two existing concrete reservoirs were constructed in the 1920's and have reached the end of their service life. These reservoirs are needed for the water system to operate at the required levels of service. Without these reservoirs the City does not meet regulatory storage requirements. A structural study completed in 2012 shows that the reservoirs are of a significant risk to seismic events. In addition, the reservoirs are a known source of unaccounted water loss.

UPDATE 2018 -

Construction is underway on this project with the existing reservoir demolition completed and site preparation underway. Construction of a replacement reservoir to be complete this calendar year.

Project Title:	S. 4 th Avenue Waterline Replacement		
Description:	Replace the existing 12-inch cast iron main with approximately 3001	inear feet of new 12-inch main.	
Location:	S. 4 th Avenue between Allen Street and Oak Street		
		Project Status:	
	CHURCH ST INT TO SCALE	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 	
	ACADEMAN A	Land Status:	
		No Land Involved	
		Partially Owned	
	Project Location	Not Yet Acquired	
ALLE	N ST De South 4th Avenue Waterline Beplacement	Estimated Capital Costs:	
Ridge	MARKETT ALLEN ST	Planning, Design, Engineering : \$	25,000.00
		Land Purchase :	
E I LE Manter		Construction : \$	125,000.00
Me S ANE		Contingency Allowance (10%) :	
CAVE S	PAK ST 15 F	Total CIP Capital Cost : \$	150,000
	M	Proposed Method of Financing	g (Percent)
		Current Revenue :	100%
	To the state of th	General Obligation Bonds :	
La / REAL		Revenue Bonds :	
	Source: Esri, DigitalGlobe, GeoEye, Earthstar	Reserve Funds :	
PINEST	Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geographics, Aeroadd, IGN, IGP, swisstopo, and the GIS	State Aid :	
	User Community	Federal Aid :	
		Other :	

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 25,000						\$ 25,000
Land Acquisition								\$-
Construction		\$ 125,000						\$ 125,000
Other								\$-
Total Cost :	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Project Narrative:

The existing 12-inch diameter water main was installed in 1924 and has exceeded its service life expectancy. Due to the age of the line it has a high potential for leakage and is susceptible to failure. A failure of a line of this size would result in a great deal of water loss as well as damage to the roadway. The section of S. 4th Avenue that this water main runs under is a highly traveled, multi-lane section and emergency disruption would cause extensive traffic disruptions. The project will replace the existing aged water main.



Preliminary Design Final Plans & Specifications Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired **Estimated Capital Costs:** Planning, Design, Engineering : \$ 250,000.00 Land Purchase : Construction : 1,000,000.00 Contingency Allowance (10%): **Total CIP Capital Cost :** 1,250,000 **Proposed Method of Financing (Percent)** Current Revenue : 100% General Obligation Bonds : **Revenue Bonds**: Reserve Funds :

2018-2023

State Aid :

Federal Aid :

Other :

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering			\$ 250,000					\$ 250,000
Land Acquisition								\$ -
Construction			\$ 1,000,000					\$ 1,000,000
Other								\$ -
Total Cost :	\$ -	\$ -	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000

Project Narrative:

This project will provide for an adequate water transmission main from to Rocky Point Reservoir and will result in improving the reliability of the water supply in the North Kelso area and will allow for future development in the area. This project is identified in the Comprehensive Water Plan and connects two sections of water main upgraded in previous projects.

Project Title:	Water System Plan Update	
Description:	Regular 6-year revision to the City's Water System Plan	
Location:	Non-Specific	
BARRY PLANNER, AND ADDRESS OF ADDR		Project Status:
		 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction
		Land Status:
	ANSA	 No Land Involved City Owned Partially Owned Not Yet Acquired
		Estimated Capital Costs:
The second second	A REAL AND A	Planning, Design, Engineering : \$ 225,000.00
Sector Parts		Land Purchase :
A State of the sta		Construction :
a subscript		Contingency Allowance (10%) :
8 7		Total CIP Capital Cost : \$ 225,000
1 Stand Park		Proposed Method of Financing (Percent)
		Current Revenue : 100%
		General Obligation Bonds :
E.A. Contraction	一次 一次 一次 有 利益水 经常	Revenue Bonds :
A A A A A A A A A A A A A A A A A A A		Reserve Funds :
and the second second	Source: Earl, Digital Stable, Geologie, Danister Geographica, CNES/Airbus IDS, USICA, USICS, ANX	State Aid :
	centricapping, Associate, DeN, Der, contactupo, and the felis	Federal Aid :
	CERCAL CERCAL ACTIVATION AND A DESCRIPTION AND A	Other :

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 225,000							\$ 225,000
Land Acquisition								\$ -
Construction								\$ -
Other								\$ -
Total Cost :	\$ 225,000	\$ -	\$ -	\$ -	\$-	\$-	\$ -	\$ 225,000

Project Narrative:

The project provides for an updating of the City's Water System Plan. State law requires that all operators of a Group "A" water system update their Water System Plans every 10 years. The work contained in this plan ensures that State and Federal requirement for planning are met. This plan also provides capital facility planning information for the next six-year period. Failure to complete this plan in a timely manner can result in regulatory sanctions.

Project Title:	Paxton Road Reservoir Transmission Main (GS Phase II)						
Description:	Replace the existing 16-inch AC main with a 16-inch ductile iron main. Revise routing to address easement						
	cherodenment issues.						
Location:	S. Kelso Drive – Carroll Road to Paxton Road						
		Project Status:					
		Annual Program					
	CARDO CARDO	Preliminary Design					
	NOT TO SCALE	 Final Plans & Specifications Construction 					
		Land Status:					
	Project Location	No Land Involved					
	Paxton Road Reservoir Transmition Main - GS Phase II	Partially Owned					
		Not Yet Acquired					
A Martines		Estimated Capital Costs:					
		Planning, Design, Engineering : \$ 200,000.00					
		Land Purchase :					
		Construction : \$ 1,000,000.00					
		Contingency Allowance (10%) :					
		Total CIP Capital Cost : \$ 1,200,000					
		Proposed Method of Financing (Percent)					
		Correct Obligation Banda					
		Beverve Bonds :					
ALE CAR		Reserve Funds					
1975 - Mar 198	Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX.	State Aid ·					
	Getniapping, Aerogrid, IGN, IGP, swisstopo, and the GIS	Federal Aid :					
	Coor Contracting	Other :					

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 200,000						\$ 200,000
Land Acquisition								\$-
Construction		\$ 1,000,000						\$ 1,000,000
Other								\$-
Total Cost :	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000

Project Narrative:

This project will update the transmission line to the new Paxton Road Reservoir. The existing water main is constructed of an undesirable and potentially unreliable material. Replacing this line will reduce unaccounted loss of water within the distribution system, eliminate a potential point of failure within the system while improving system reliability and eliminating potential maintenance issues. The upgrade of the water main is included in the Water System Plan.

Description: New 12-inch water main on Grade Street from 13 th Ave to the Haussler Road Pump Station will increase system flexibility and hydraulic performance. Location: Grade Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Image: Street Street Supply Line Street Street Supply Line Street Street Street Street Street Street Street From Street Street From Street Street Street From Street St	Project Title:	Grade Street Supply Line – GS Ph III	
Inexibility and hydraulic performance. Location: Grade Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Prime Planic Status: Construction: Annual Program Constructions Preliminary Design Preliminary Design Preliminary Design Preliminary Design Preliminary Design Preliminary Design No Land Involved Preliminary Design Preliminary Design Prime Plans & Specifications Constructions Preliminary Design No Land Involved Preliminary Design Preliminary Design Prime Plans & Specifications Constructions Preliminary Design No Land Involved Preliminary Design Preliminary Design No Land Involved Preliminary Design Preliminary Design No tract Involved Preliminary Design Preliminary Design No tract Involved Preliminary Design Preliminary Design Preliminary Design Preliminary Design Preliminary Design Intervence S 200,000.00 Preliminary Design Ind Prochase Construction S 800,000.00 Construction S 800,000.00	Description:	New 12-inch water main on Grade Street from 13 th Ave to the Hauss	er Road Pump Station will increase system
Location: Grade Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Project Status: Annual Program Concept/Preliminary Planning Bestellinary Design Final Plans & Specifications Conserverbreiminary Planning Bestellinary Design Final Plans & Specifications Construction Construction Land Status: No Land Involved Or Status: No Vi CA Equited Image: Specifications Construction Design. Engineering : \$ 200,000.00 Land Purchase : Construction: Construction: \$ \$ \$00,000.00 Land Purchase : Construction: Construction: \$ \$ \$ \$00,000.00 Construction: \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		flexibility and hydraulic performance.	
Cocation: Grade Street from 13 th Ave to the Haussler Road Pump Station on S. Kelso Drive. Project Status: Annual Program Concept/Preliminary Planning Preliminary Design Print Plans & Specifications Construction No Land Involved On and Involved City Owned Partially Owned Not Yet Acquired Project Cocation Rating: Status: Construction: \$ 200,000.00 Land Parchase: Construction: Construction: \$ 200,000.00 Land Parchase: Construction: Construction: \$ 200,000.00 Land Parchase: S 800,000.00 Contingency Allowance (10%): Integration Total CIP Capital Cost: \$ 1,000,000 Proposed Method of Financing (Percent) Current Revenue: Current Revenue: 100% Granetaria: Integration			
Foject Status: Oneput Preliminary Daming: Enal Plans & Specifications Oneput Preliminary Dasign Final Plans & Specifications Oneput Preliminary Dasign Prevention Descenter Prevention Descenter Prevention Descenter S 200,000.00 Contraction Descenter S 200,000.00 Contraction S 200,000.00 Contraction Descenter S 200,000.00 Contraction Descenter Descenter	Location:	Grade Street from 13 th Ave to the Haussler Road Pump Station on S.	Kelso Drive.
Project Status: Concept/Preliminary Planning Project Status: Concept/Preliminary Planning Primat Plan Project Status: Concept/Preliminary Planning Primat Plan Plan Plan Plan Plan Plan Plan Plan </td <th></th> <td></td> <td></td>			
Annual Program Concept/Preliminary Planning ○ Final Plans & Specifications Specifications ○ Construction Specifications ○ Construction No Land Involved ○ Construction No Land Involved ○ Construction No Yet Acquired No Yet Acquired No Yet Acquired<			Project Status:
Image: Construction in grade Street Supply Line GS Phase III Image: Construction in grade Street Supply Line GS Phase III Image: Construction in grade Street Supply Line GS Phase III Image: Construction in grade Street Supply Line GS Phase III Image: Signed Street Supply Line GS Phase II	COWFEMAN LA	NAMA SCO DB RUSSELL'ST VALLEY VIEW L DE SCALE	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction
WALNUT ST Total CIP Capital Cost: \$ 200,000.00 Land Purchase II \$ 800,000.00 Construction : \$ \$ 800,000.00 Construction : \$ \$ 1,000,000 Contingency Allowance (10%) : * * 1,000,000 Proposed Method of Financing (Percent) Current Revenue : 100% General Obligation Bonds : Dummer Bondoi 100%	S S S S S S S S S S S S S S S S S S S	GRIMM RD	Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired
Planning, Design, Engineering : \$ 200,000.00 Land Purchase : Construction : \$ 800,000.00 Contingency Allowance (10%) : Total CIP Capital Cost : \$ 1,000,000 Proposed Method of Financing (Percent) Current Revenue : 100% General Obligation Bonds : Durany Deade i		Project Location	Estimated Capital Costs:
Image: CS Phase III Land Purchase : Construction : \$ 800,000.00 Contingency Allowance (10%) : Image: Construction : Image: Construction : \$ 1,000,000 Proposed Method of Financity (Percent) Current Revenue : 100% General Obligation Bonds : Image: Construction Proposed Method of Financity (Percent) Current Revenue : 100%		Grade Street Supply Line	Planning, Design, Engineering : \$ 200,000.00
Construction: \$ 800,000.00 Construction: \$ 1,000,000 Total CIP Capital Cost: \$ 1,000,000 Proposed Method of Financing (Percent) Current Revenue: 100% General Obligation Bonds: Devenue Dendect		GS Phase III	Land Purchase :
WALANUT ST Total CIP Capital Cost : \$ 1,000,000 Proposed Method of Financing (Percent) Current Revenue : 100% General Obligation Bonds : 100%			Construction : \$ 800,000.00
WALMUT ST Total CIP Capital Cost : \$ 1,000,000 Proposed Method of Financing (Percent) Current Revenue : 100% General Obligation Bonds : Devenue Dendei			Contingency Allowance (10%) :
Image: Second state of the second s	WALNUT ST		Total CIP Capital Cost : \$ 1,000,000
Current Revenue : 100% General Obligation Bonds : Devenue Rende :			Proposed Method of Financing (Percent)
General Obligation Bonds :	ALL AND ALL AND ALL		Current Revenue : 100%
Devenue Develo			General Obligation Bonds :
Revenue Bonds :			Revenue Bonds :
Reserve Funds :		2 Parma Earl Right Martin Confirm Eartholas	Reserve Funds :
Geographics, CNES/Airbus DS, USDA, USGS, AEX, State Aid :		Geographics, CNES/Airbus DS, USDA, USGS, AEX,	State Aid :
Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the CIS		Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS	Federal Aid :
Other :		CCC: CONDUCTING	Other :

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 100,000	\$ 100,000						\$ 200,000
Land Acquisition								\$-
Construction		\$ 800,000						\$ 800,000
Other								\$-
Total Cost :	\$ 100,000	\$ 900,000	\$-	\$ -	\$-	\$ -	\$-	\$ 1,000,000

Project Narrative:

The construction of this line will provide redundancy for the water system. This redundancy will increase system reliability. This supply line is identified in the City's Water Master Plan.

CIF KEFEKENCE NUN	IDER: W-II	2010-202						
Project Title:	Auxiliary Power / Motor Control Improvements							
Description:	Provide emergency power supply to the water treatment plant and Ranney Well collector. Upgrade the existing							
	motor control system to variable frequency drives.							
Location:	Water Treatment Plant							
20000000								
		1						
		Project Status:						
The second		Annual Program						
		Concept/Preliminary Planning						
4		Final Plans & Specifications						
		Land Status:						
		No Land Involved						
		City Owned						
		Partially Owned						
		Estimated Capital Costs:						
Project Locati	on PARS	Planning, Design, Engineering : \$ 250,000.00						
City of Kel Water Treatment Pl	so an	Land Purchase :						
		Construction : \$ 700,000.00						
		Contingency Allowance (10%) :						
	9 CHERNEL AND	Total CIP Capital Cost : \$ 950.000						
		Proposed Method of Financing (Percent)						
		Current Revenue : 100%						
		General Obligation Bonds :						
	Mill ST	Revenue Bonds :						
		Revenue Bonds -						
	Source: Esrl, DigitalGlobe, GeoEye, Earthstar							
	Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS	State Ald :						
	User Community	Federal Aid :						
		Other :						

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 250,000						\$ 250,000
Land Acquisition								\$ -
Construction		\$ 700,000						\$ 700,000
Other								\$-
Total Cost :	\$ -	\$ 950,000	\$ -	\$ -	\$-	\$ -	\$ -	\$ 950,000

Project Narrative:

These critical facilities currently lack an emergency power system. This project will upgrade the Water Treatment Plant with a reliable emergency power supply. This upgrade was identified in both the Comprehensive Plan and the Water Master Plan.



CITY OF KELSO SANITARY SEWER SYSTEM PROJECTS 2018-2023 CIP

Project Title:	Annual Sewer Repair							
Description:	The City-wide program provides for annual replacement of distressed sewer lines. Potential locations will be reviewed each							
	year and rated for priority. Information from Operations, previous studies an	nd potential risks to public safety wil	l be					
Location:	Various Locations City Wide							
Location:	various Locations – City whee							
PARTY CONTRACTOR AND AND AND AND AND		Project Status:						
		Annual Program						
		Concept/Preliminary Planning						
	NOT TO ECALE	Final Plans & Specifications						
		Construction						
		Land Status:						
		No Land Involved						
二世世的保护在 34		City Owned						
	AN ANTING	Not Yet Acquired						
		Estimated Capital Costa						
		Estimateu Capital Costs:	500 000 00					
C. S. Martin P.		Land Purchase :	390,000.00					
		Construction :	2 360 000 00					
	Contraction of the Contraction of the Contraction of the	Contingency Allowance (10%):	2,300,000.00					
The second second								
2/7		Total CIP Capital Cost : \$	2,950,000					
The star		Dronogod Mathad of Financing	Dorcont)					
		Current Devenue :	1 CI CEIII) 1000/					
		Current Revenue .	100 70					
A STATE		Deneral Obligation Bonds :						
AL PARTIES.		Revenue Bonds :						
	Source Fail, DigitalSidhe, Beelfwe, Badhelar							
	Casemaputes, ONDERAIOUS DR. URDA, URBR. ABX,	State Ald :						
通知 经中国公司	Vasimis ppung, Asargana, Vari, Nary, contassigan, sina na valis User Community	Federal Aid :						
		Other :						

2018-2023

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 90,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 590,000
Land Acquisition								\$-
Construction	\$ 360,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000		\$ 2,360,000
Other								\$-
Total Cost :	\$ 450,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 2,950,000

Project Narrative:

Much of the City's sewer collection system is constructed of concrete or clay pipe and aged more than 50 years. The annual allocation will attempt to address declining system condition as well as flexibility to respond to potential urgent needs. The replacement of aged or damaged portions of the system will increase overall condition and reliability. Aged pipes and substandard materials have a higher risk of potential damage or failure and require more frequent maintenance and repair increasing the costs for the City.

The 2018 allocation is being directed to the rehabilitation of the sanitary sewer on S. Pacific Avenue in conjunction with the pavement restoration project.

Project Title:	Underground Tank Removal		
Description:	Several City sanitary sewer lift stations have emergency generators set tanks do not comply with current regulations. This project will replace	erved by underground storage tan e the substandard tanks.	ks. The
Location:	Citywide project covering four (4) sanitary sewer lift stations. Catlin Grade Street Pump Station, Donation Street Pump Station.	Pump Station, Maple Street Pum	p Station,
		Project Status:	
	41 IS	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 	
	Donation Street	Land Status:	
4	Pump Station	 No Land Involved City Owned Partially Owned Not Yet Acquired 	
		Estimated Capital Costs:	
		Planning, Design, Engineering : \$	40,000.00
Catlin Pump Station		Land Purchase :	
		Construction : \$	200,000.00
		Contingency Allowance (10%) :	
411	Maple Street Pump Station	Total CIP Capital Cost : \$	240,000
	LE SADALAS STOR	Proposed Method of Financing	(Percent)
		Current Revenue :	100%
		General Obligation Bonds :	
		Revenue Bonds :	
	Grade Street Diottal@lobe, GeoEve, Earthstar	Reserve Funds :	
	Companying Associated ICN ICP syderbare and the CIS	State Aid :	
SUM AN	User Community	Federal Aid :	
		Other :	

V								
	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 40,000							\$ 40,000
Land Acquisition								\$-
Construction	\$ 200,000							\$ 200,000
Other								\$-
Total Cost :	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240,000

Project Narrative:

The City is mandated to replace the substandard underground fuel storage tanks identified at the pump station shown in the graphic above. The replacement of these tanks is identified in the sewer upgrade program. Replacement is required to meet State and Federal requirements and the City could face penalties for noncompliance. These fuel storage tanks provide for emergency power for critical infrastructure.

Project Title:	Donation Pump Station Upgrade							
Description:	This project provides for significant upgrades to the facility including new structure, upgrades electrical system,							
	flow metering, controls, additional pumping capacity, and new emerg	ency generation.						
Location:	Donation and Burcham							
		Project Status:						
		 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 						
		Land Status:						
		☐ No Land Involved						
		Partially Owned						
DONATION OF		Not Yet Acquired						
	Project Location Densition Street	Estimated Capital Costs:						
	Pump Station Upgrade	Planning Design Engineering : \$ 450,000,00						
	South Contraction of the second se	Land Purchase ·						
		Construction : \$ 2,000,000,00						
		Contingency Allowance (10%) :						
Re Charles	Ni Ei							
BURCH	BLOYD ST	Total CIP Capital Cost : \$ 2,450,000						
TOTAL ST		Proposed Method of Financing (Percent)						
HEAT DISK		Current Revenue :						
		General Obligation Bonds :						
	BURCHAM	Revenue Bonds :						
	Source: Est Dializable Coeffice Estibuter	Reserve Funds :						
	Geographics, CNES/Airbus DS, USDA, USGS, AEX,	State Aid :						
	Cetmapping, Aerogrid, ICN, ICP, swisstopo, and the CIS	Federal Aid :						
		Other :						
	2018	2019	2020	2021	2022	2023	Unfunded	Total
----------------------------------	------	------------	--------------	------	------	------	----------	--------------
Planning, Design, Engineering		\$ 250,000	\$ 200,000					\$ 450,000
Land Acquisition								\$-
Construction			\$ 2,000,000					\$ 2,000,000
Other								\$-
Total Cost :	\$ -	\$ 250,000	\$ 2,200,000	\$ -	\$ -	\$ -	\$ -	\$ 2,450,000

Project Narrative:

The upgrade of the Donation Pump Station is identified in the Sewer Master Plan. This station serves the majority of the North Kelso area and it's operation must be reliable to prevent large scale flooding and potential damage claims against the City.



CITY OF KELSO TRANSPORTATION PROJECTS 2018-2023 CIP

CIP REFERENCE NUMBER: T-1 2018-2023 **Project Title: Citywide Pavement Preservation** This program provides for pavement repair, overlays and chip seal projects intended to preserve and extend the life **Description:** of City streets. The list of project locations will be reviewed each year to assure priorities are correct. **Location:** Citywide **Project Status**: Annual Program \boxtimes Concept/Preliminary Planning Preliminary Design Final Plans & Specifications $\overline{\boxtimes}$ Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired **Estimated Capital Costs:** Planning, Design, Engineering : 225,000.00 \$ Land Purchase : Construction : \$ 1,670,000.00 Contingency Allowance (10%) : **Total CIP Capital Cost :** 1,895,000 \$ **Proposed Method of Financing (Percent)** Current Revenue : 100% General Obligation Bonds :

Revenue Bonds : Reserve Funds : State Aid :

Federal Aid :

Other :

2018-2023

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 40,000	\$ 25,000	\$ 50,000	\$ 30,000	\$ 50,000	\$ 30,000		\$ 225,000
Land Acquisition								\$-
Construction	\$ 360,000	\$ 150,000	\$ 400,000	\$ 180,000	\$ 400,000	\$ 180,000		\$ 1,670,000
Other								\$-
Total Cost :	\$ 400,000	\$ 175,000	\$ 450,000	\$ 210,000	\$ 450,000	\$ 210,000	\$ -	\$ 1,895,000

Project Narrative:

Asphalt surfaces have a limited useful life due to environmental factors and use. Continued deterioration of roadway surfaces increase the potential for accidents or vehicle damage claims. In order to extend the life cycle of the pavement section a program of repairs and surface treatments is needed. The costs of a repair and maintenance program is significantly less than complete roadway reconstruction.

The yearly fund will construct pavement repairs, overlays, chip seals and other maintenance efforts to extend the useful life of existing roads. The project will use existing roadway condition survey information as well as information collected from City Operations, other staff, and citizen concerns to identify repair locations.

CIP REFERENCE NUMBER: T-2 2018-2023 **Project Title: Sidewalk Improvement Program** This program provides for the planning and installation of new sidewalk sections throughout the City. This program **Description:** will develop criteria to prioritize the expansion of sidewalk and walking paths throughout the City. **Location:** Citywide **Project Status**: Annual Program \boxtimes Concept/Preliminary Planning Preliminary Design Final Plans & Specifications $\overline{\boxtimes}$ Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired **Estimated Capital Costs:** Planning, Design, Engineering : 45,000.00 \$ Land Purchase : Construction : \$ 190,000.00 Contingency Allowance (10%) : **Total CIP Capital Cost :** 235,000 \$ **Proposed Method of Financing (Percent)** Current Revenue : 100% General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid :

Federal Aid :

Other:

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Z U	ð-	20	123

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 10,000		\$ 15,000		\$ 20,000		\$ 45,000
Land Acquisition								\$-
Construction		\$ 50,000		\$ 65,000		\$ 75,000		\$ 190,000
Other								\$-
Total Cost :	\$-	\$ 60,000	\$-	\$ 80,000	\$-	\$ 95,000	\$-	\$ 235,000

Project Narrative:

The requirements for providing and constructing safe pedestrian access have increased. Establishing the program will provide a framework to determine the most efficient use of the limited funds available for these improvements. This plan will be incorporated into an ADA (American with Disabilities Act) Transition Plan which details the City's plan for updating pedestrian routes and safety.

Project Title:	CHAP Street Overlay Program							
Description:	The program provides for pavement repair, overlays and chip seal pr	The program provides for pavement repair, overlays and chip seal projects intended to preserve and extend the life						
	of City streets that qualify for CHAP funding. The list of project loca	ations will be reviewed each year to assure						
	riorities are correct.							
Location:	Citywide – Streets qualifying under CHAP only							
		Project Status:						
The State of State		🖂 Annual Program						
		Concept/Preliminary Planning						
Data Martin Andrew	Preliminary Design							
		Construction						



 Annual Program Concept/Preliminary Plannin Preliminary Design Final Plans & Specifications Construction 	ng	
Land Status:		
 No Land Involved City Owned Partially Owned Not Yet Acquired 		
Estimated Capital Costs:		
Planning, Design, Engineering :	\$	180,000.00
Land Purchase :		
Construction :	\$	1,020,000.00
Contingency Allowance (10%):		
Total CIP Capital Cost :	\$	1,200,000
Proposed Method of Finan	cing	(Percent)
Current Revenue	:	
General Obligation Bonds	:	
Revenue Bonds	:	
Reserve Funds	:	
State Aid	:	100%
Federal Aid		
reueral Alu	:	
Other	:	

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 60,000		\$ 60,000		\$ 60,000		\$ 180,000
Land Acquisition								\$ -
Construction		\$ 340,000		\$ 340,000		\$ 340,000		\$ 1,020,000
Other								\$ -
Total Cost :	\$ -	\$ 400,000	\$ -	\$ 400,000	\$ -	\$ 400,000	\$ -	\$ 1,200,000

Project Narrative:

Asphalt surfaces have a limited useful life due to environmental factors and use. Continued deterioration of roadway surfaces increase the potential for accident or vehicle damage claims. In order to extend the life cycle of the pavement section a program of repairs and surface treatments is needed. The costs of a repair and maintenance program is significantly less than a complete roadway reconstruction.

A number of streets within the City qualify for funding provided under CHAP (Community Hardship Assistance Program). Funds provided through this program can be applied to resurfacing projects that limit the costs of these projects to the City. The project will be limited to the streets that qualify for CHAP funds but will use existing roadway condition survey information as well as information collected from City Operations, other staff, and citizen concerns to identify repair locations.

Project Title:	South Kelso Railroad Crossing – Environmental Permitting								
Description:	Construction of an above grade crossing of the BNSF Railroad tracks to improve access and safety for properties ving between the BNSF Railroad tracks and the Cowlitz River								
	lying between the BINSF Railroad tracks and the Cowlitz River.								
Location:	South Kelso – Hazel St. from South Pacific Ave. to South River Road	1							
		Project Status:							
	LAUREL ST TEWST	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 							
utite River	ROSEWOOD ST -	Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired							
OLIV CALLER	E ST OLIVE ST HAWTHORNE ST HAWTHORNE ST	Estimated Capital Costs: Planning, Design, Engineering : \$ 875,000.00 Land Purchase : Construction : Contingency Allowance (10%) :							
	VIRGINIA ST	Total CIP Capital Cost : \$ 875,000							
	HAZEL ST Project Location South Kelso Railroad Crossing Source: Esrl, Digital@lobe, GeoEye, Earthster Geographics, CNES/Alibus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community	Proposed Method of Financing (Percent) Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds : State Aid : Federal Aid :							
		Other : 100%							

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 600,000	\$ 275,000						\$ 875,000
Land Acquisition								\$-
Construction								\$-
Other								\$-
Total Cost :	\$ 600,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 875,000

Project Narrative:

The existing at-grade crossings of the BNSF Railroad in south Kelso have safety issues and restrict development of the properties west of these tracks. The construction of an above grade crossing would increase safety by limiting the use of or allowing the closing of the existing at-grade crossing points. The access would also increase the development potential for the properties lying west of the BNSF Railroad tracks.

This project will provide the environmental permitting and clearances necessary for future construction.

Project Title:	South Kelso Railroad Crossing - Design								
Description:	Construction of an above grade crossing of the BNSF Railroad tracks	s to improve access and safety for properties							
Location:	Hazel Street – From South Pacific Avenue to South River Road								
		Project Status:							
	VEWST & SALE	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 							
mulie River	ROSEWOOD ST -	No Land Involved City Owned Partially Owned Not Yet Acquired							
	ST OLIVE ST	Estimated Capital Costs: Planning, Design, Engineering : \$ 3,200,000.00 Land Purchase : Construction :							
	HAWTHORNE ST HAWTHORNE ST	Contingency Allowance (10%) :							
	VIRGINIA ST	Total CIP Capital Cost : \$ 3,200,000							
		Proposed Method of Financing (Percent)							
		Current Revenue :							
10 L 100	Project Location	General Obligation Bonds :							
	South Kelso	Revenue Bonds :							
	Source: Esrl, DigitalGlobe, GeoEye, Earthstar	Reserve Funds :							
	Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmanning, Aeroardd JGN, JGP, swisstopic, and the GIS	State Aid :							
L IN CONST	User Community	Federal Aid :							
		Other : 100%							

·									
	2018	2019	2020	2021	2022	2023	Unfunded	Total	
Planning, Design, Engineering		\$ 2,500,000	\$ 700,000					\$ 3,200,000	
Land Acquisition								\$-	
Construction								\$-	
Other								\$ -	
Total Cost :	\$ -	\$ 2,500,000	\$ 700,000	\$ -	\$ -	\$ -	\$-	\$ 3,200,000	

Project Narrative:

The existing at-grade crossings of the BNSF Railroad in south Kelso have safety issues and restrict development of the properties west of these tracks. The construction of an above-grade crossing would increase safety by limiting the use of or allowing the closing of the existing at-grade crossing points. The access would also increase the development potential for the properties lying west of the BNSF Railroad tracks.

This project will provide the planning and design as well as the management and inspection work necessary to construct the above-ground crossing.

Project Location South Kelso Railroad Crossing

22,500,000.00

22,500,000

100%

\$

\$

Proposed Method of Financing (Percent) Current Revenue :

> Revenue Bonds : Reserve Funds :

> > State Aid :

Other :

Federal Aid :

General Obligation Bonds :

Project Title:	South Kelso Railroad Crossing - Construction	
Description:	Construction of an above-grade crossing of the BNSF Railroad tracks	s to improve access and safety for properties
	lying between the BNSF Railroad tracks and the Cowlitz River.	
Location:	Hazel Street – From South Pacific Avenue to South River Road.	
		Project Status:
r di ci	LAUREL ST TEWST S S S S S S S S S S S S S S S S S S	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction Land Status: No Land Involved City Owned Partially Owned

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po, and the GIS

Estimated Capital Costs: Planning, Design, Engineering :

Contingency Allowance (10%) :

Total CIP Capital Cost :

Land Purchase : Construction :

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering								\$-
Land Acquisition								\$-
Construction			\$ 7,500,000	\$ 7,500,000	\$ 7,500,000			\$ 22,500,000
Other								\$-
Total Cost :	\$ -	\$ -	\$ 7,500,000	\$ 7,500,000	\$ 7,500,000	\$-	\$ -	\$ 22,500,000

Project Narrative:

The existing at-grade crossings of the BNSF Railroad in south Kelso have safety issues and restrict development of the properties west of these tracks. The construction of an above-grade crossing would increase safety by limiting the use of or allowing the closing of the existing at-grade crossing points. The access would also increase the development potential for the properties lying west of the BNSF Railroad tracks.

This project will construct the above ground crossing to improve access and safety.

Project Title:	Safe Routes to Schools									
Description:	This project includes sidewalks, access ramps, curb extensions, a raised crosswalk and some minor storm water mprovements									
Location:	Laurel Street from 5 th to 9 th and 9 th Ave from Laurel to Yew St.									
		Project Status:								
Wallace	ELM ST	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 								
Elementary School	Project Location	Land Status: No Land Involved City Owned Partially Owned Not Vet Acquired								
	Safe Routes to Schools	Estimated Capital Costs: Planning, Design, Engineering : \$ 71,000.00								
	LAUREL ST	Land Purchase : Construction : \$ 420,000.00 Contingency Allowance (10%) :								
		Total CIP Capital Cost : \$ 491,000								
NELLA ST	YEW ST YEW ST Source: Esri, DigitziGlobe, GeoEye, Ezrihatar	Proposed Method of Financing (Percent) Current Revenue : General Obligation Bonds : Revenue Bonds : Reserve Funds :								
	Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the CIS User Community	State Aid : 100% Federal Aid : Other :								

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 71,000							\$ 71,000
Land Acquisition								\$ -
Construction	\$ 420,000							\$ 420,000
Other								\$-
Total Cost :	\$ 491,000	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ 491,000

Project Narrative:

This project provides a safe walking corridor that connects the Kelso Housing Authority complex at S. 9th Avenue and Yew Street with Wallace Elementary School.

Project Title:	Streetlight Upgrades		
Description:	Project will provide installation of streetlights in a currently unserved	l area.	
Location:	Undetermined at this time		
Reality Planta - Lance and Mary 167 Mary		Project Status:	
		 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 	
		Land Status:	
	ANDER	 No Land Involved City Owned Partially Owned Not Yet Acquired 	
		Estimated Capital Costs:	
	A REAL AND A	Planning, Design, Engineering : \$ 50,	000.00
Carl Martin		Land Purchase :	
A STATISTICS		Construction : \$ 250,0	000.00
and the second of		Contingency Allowance (10%) :	
8 7		Total CIP Capital Cost : \$ 3	00,000
1 Carlos and the second	472 0 0	Proposed Method of Financing (Percen	lt)
		Current Revenue :	100%
		General Obligation Bonds :	
TAX DECEMBER	一次 一	Revenue Bonds :	
A CONTRACTOR OF THE OWNER		Reserve Funds :	
and the state of the state	Course: Earl, Digital Gidde, Geoloye, Cardistar Geologicalitas, CNLSA Arbus IDS, USOA, USOA, ARX	State Aid :	
· · · · · · · · · · · · · · · · · · ·	Cashriapping, Astrophy, DeN, DeP, contastupo, and the OdB	Federal Aid :	
国际公共成立 的特别的公司的部分	Crease control and an and a second	Other :	

	2018	2019	2020	2021	2022	2023	Unfunded	Tot	tal
Planning, Design, Engineering		\$ 50,	00					\$	50,000
Land Acquisition								\$	-
Construction		\$ 250,	00					\$ 2	250,000
Other								\$	-
Total Cost :	\$ -	\$ 300,	00 \$ -	\$ -	\$ -	\$ -	\$ -	\$ 3	300,000

Project Narrative:

Due to the costs associated with installing, maintaining and operating street lights, numerous areas within the City are unserved or underserved by streetlights. The installation of street lighting improves pedestrian and motorist safety and encourages business and leisure activity. Technological advancements have lowered the costs associated with operating street lighting which makes the installation of new lights feasible.

The project will install new lighting, the location of the lighting is yet to be determined.

Project Title:	Oak Street Revitalization	
Description:	Project rehabilitates and repairs pavement surface, reconstructs broke lighting	en and aging sidewalks and installs new
Location:	Oak Street – Allen Street to South 4 th Avenue	
		Project Status:
PARA EN	CHURCH ST HOADEMY	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction
ALLEN ST BRIDGE		Land Status:
	BR DGE WARKET IN	 No Land Involved City Owned Partially Owned Not Yet Acquired
2 1 R 16		Estimated Capital Costs:
		Planning, Design, Engineering : \$ 200,000.00
S 4 18 5	CAKST 5	Land Purchase :
		Construction : \$ 700,000.00
		Contingency Allowance (10%) :
	Oak Street Revitalization	Total CIP Capital Cost : \$ 900,000
		Proposed Method of Financing (Percent)
MARCHE	A CONSTRUCTION OF A CONSTRUCTI	Current Revenue : 25%
	Con La Contraction of the state	General Obligation Bonds :
		Revenue Bonds :
	Source: Esrl, DigitalGlobe; GeoEye, Earthstar	Reserve Funds :
	Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerodrid, IGN, IGP, swisstopo, and the GIS	State Aid :
The Art	ASH ST	Federal Aid :
		Other: 75%

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 200,000						\$ 200,000
Land Acquisition								\$ -
Construction			\$ 700,000					\$ 700,000
Other								\$-
Total Cost :	\$ -	\$ 200,000	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000

Project Narrative:

The portion of Oak Street identified for revitalization runs between the City Hall / Downtown area of Kelso and the busy intersection that accesses Allen Street. The aging facility is the primary access to the Downtown area. Updates to this area could encourage private investment.

Multiple overlay and chip seal projects have been done on this section or road. These projects have extended the lifespan of the surface but have resulted in a road cross section that does not meet current specifications for cross section and slope. The curb, gutter and sidewalk are worn or damaged in multiple locations and are in need of replacement. The street lights along this road segment are old and do not meet current standards and should also be replaced.

Project Title:	South Pacific Pavement Rehabilitation										
Description:	Project will rehabilitate the existing pavement and is being coupled w	Project will rehabilitate the existing pavement and is being coupled with storm drain and sanitary sewer repairs.									
Location:	South Pacific Avenue – Cherry Street to Vine Street										
		Project Status:									
	OAK ST NOT TO SCALE	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 									
		Land Status:									
		No Land Involved									
		Partially Owned									
		Not Yet Acquired									
	Project Location	Estimated Capital Costs:									
of the second se	South Pacific Avenue Pavement Rehabilitation	Planning, Design, Engineering : \$ 10,000.00									
		Land Purchase :									
		Construction : \$ 600,000.00									
		Contingency Allowance (10%) :									
		Total CIP Capital Cost :\$610,000									
7	ALDER ST COMPANY	Proposed Method of Financing (Percent)									
>		Current Revenue : 17%									
		General Obligation Bonds :									
		Revenue Bonds :									
	Source: Esri, DigitalGlobe, GeoEye, Earthstar	Reserve Funds :									
	Cetmapping, Aeroarid, ICN, ICP, swisstopo, and the CIS	State Aid : 83%									
	User Community	Federal Aid :									
		Other :									

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 10,000							\$ 10,000
Land Acquisition								\$ -
Construction	\$ 600,000							\$ 600,000
Other								\$-
Total Cost :	\$ 610,000	\$-	\$-	\$-	\$-	\$-	\$-	\$ 610,000

Project Narrative:

South Pacific Avenue is a main arterial for the City as well as a truck route. The segment identified in this project extends from directly south of City Hall through the downtown area. The roadway section in this area has had multiple overlays and chip seal projects to extend the life span of the paved surface. This work has resulted in a road cross section that no longer meets the standards for cross slope. The curb, gutter and sidewalk sections through the project area are worn and damaged and will need replacement.

The project will reconstruct the existing road to a standard roadway cross section and improve the curb, gutter and sidewalk as well as update the wheelchair ramps for improved ADA access. The project has been planned in conjunction with utility work to upgrade utilities located within the right of way.

CIP REFERENCE NUMBER: T-11 2018-2023 **Project Title:** West Main Street Realignment - Phase II Design Realignment of West Main Street to enhance economic viability to West Kelso and to alleviate traffic congestion. **Description:** This project will complete the design of the ultimate project from SW 4th Avenue to the Ocean Beach Highway intersection. Catlin Street – SW 4th Avenue to the SR4 Intersection Location: **Project Status**: Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired West Main Street Revitalization - 2016 **Estimated Capital Costs:** Planning, Design, Engineering : \$ 500.000.00 Land Purchase : Construction : West Main Street Realignment - Phase I Contingency Allowance (10%): 2014 **Total CIP Capital Cost :** 500,000 **Project Location Proposed Method of Financing (Percent)** West Main Street Realignment - Phase II Current Revenue :

CNES/Airbus

Aeroarid, IGN, IGP,

General Obligation Bonds :

Revenue Bonds : Reserve Funds :

State Aid :

Other :

Federal Aid :

100%

	2018	2010	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 300,000	\$ 200,000	2020	2021	2022	2023	Cintunded	\$ 500,000
Land Acquisition								\$-
Construction								\$-
Other								\$-
Total Cost :	\$ 300,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Project Narrative:

This project will complete the realignment work begun with Phase I that has shifted the primary traffic route from the West Main Street to Cowlitz Way route to the Catlin Street to Cowlitz Way that has resulted in a more direct route though the west Kelso area to State Route 4 / Ocean Beach Highway. The original Phase increased the width of the road creating a four-lane road section, Phase II of this project will continue this widening. This project is identified on the SR4/411 Congestion Mitigation Plan and the Six-Year Transportation Improvement Plan.

Design work for this project will finalize the widening work and identify the parcels or land that will need to be acquired to complete the work.

Project Title:	West Main Street Realignment – Phase II Right of Way Acquisit	ion				
Description:	Realignment of West Main Street to enhance economic viability to W	Realignment of West Main Street to enhance economic viability to West Kelso and to alleviate traffic congestion.				
	This project will complete the design of the ultimate project from SW	This project will complete the design of the ultimate project from SW 4 th Avenue to the Ocean Beach Highway				
	intersection.					
Location:	Catlin Street – SW 4 th Avenue to the SR4 Intersection					
		Project Status:				
ALL DATE AND AL		Annual Program				



	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering								\$-
Land Acquisition	\$ 1,000,000	\$ 1,500,000						\$ 2,500,000
Construction								\$-
Other								\$-
Total Cost :	\$ 1,000,000	\$ 1,500,000	\$ -	\$-	\$-	\$ -	\$-	\$ 2,500,000

Project Narrative:

This project will complete the realignment work begun with Phase I that has shifted the primary traffic route from the West Main Street to Cowlitz Way route to the Catlin Street to Cowlitz Way that has resulted in a more direct route though the west Kelso area to State Route 4 / Ocean Beach Highway. The original Phase increased the width of the road creating a four-lane road section, Phase II of this project will continue this widening. This project is identified on the SR4/411 Congestion Mitigation Plan and the Six-Year Transportation Improvement Plan.

This project will acquire the necessary land to construct the planned widened street section.

CIP REFERENCE NUMBER: T-13 2018-2023 **Project Title:** West Main Street Realignment - Phase II Construction Realignment of West Main Street to enhance economic viability to West Kelso and to alleviate traffic congestion. **Description:** This project will complete the design of the ultimate project from SW 4th Avenue to the Ocean Beach Highway intersection. Catlin Street – SW 4th Avenue to the SR4 Intersection Location: **Project Status**: Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired West Main Street Revitalization - 2016 **Estimated Capital Costs:** Planning, Design, Engineering : Land Purchase : Construction : 4,000,000.00 West Main Street Realignment - Phase I Contingency Allowance (10%): 2014 **Total CIP Capital Cost :** 4,000,000 **Project Location Proposed Method of Financing (Percent)** West Main Street Realignment - Phase II Current Revenue : General Obligation Bonds : **Revenue Bonds**: Reserve Funds : **CNES/Airbus** State Aid : Aeroarid, IGN, IGP, Federal Aid : 100% Other :

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering								\$ -
Land Acquisition								\$ -
Construction			\$ 4,000,000					\$ 4,000,000
Other								\$-
Total Cost :	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000

Project Narrative:

This project will complete the realignment work begun with Phase I that has shifted the primary traffic route from the West Main Street to Cowlitz Way route to the Catlin Street to Cowlitz Way that has resulted in a more direct route though the west Kelso area to State Route 4 / Ocean Beach Highway. The original Phase increased the width of the road creating a four-lane road section, Phase II of this project will continue this widening. This project is identified on the SR4/411 Congestion Mitigation Plan and the Six-Year Transportation Improvement Plan.

Construction work will extend the four-lane road section from the SW 4th Avenue & Catlin Street intersection to Cowlitz Way where Phase I ended completing the realignment project.

CIP REFERENCE NUMBER: T-17 2018-2023 **Project Title: Talley Way Corridor Reconstruction and Bridge Design** This project will include resurfacing the roadway, widening the roadway, constructing curb & gutter, installing a **Description:** drainage system and sidewalk as well as replacing the existing bridge. Location: Talley Way - SR-432 to Colorado Street. **Project Status**: Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specified Final Plans & Specifications Construction Land Status: No Land Involved City Owned \square Partially Owned Not Yet Acquired **Estimated Capital Costs:** Planning, Design, Engineering : \$ 2,500,000.00 **Project Location** Land Purchase : Talley Way Corridor 12,000,000.00 Reconstruction & Bridge Design Construction : Contingency Allowance (10%): Cowlitz River **Total CIP Capital Cost :** 14,500,000 **Proposed Method of Financing (Percent)**

Source: Earl, DigitalGlobe, GeoEye, Earthstar Geographies, CNES/Airbus DS, USDA, USGS, AF

Getmapping, Aerogrid, IGN, IGP, swisstopo, and t

User Community

Current Revenue : General Obligation Bonds :

Revenue Bonds :

Reserve Funds :

State Aid :

Federal Aid :

Other :

100%

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering			\$ 2,500,000					\$ 2,500,000
Land Acquisition								\$-
Construction				\$ 12,000,000				\$ 12,000,000
Other								\$-
Total Cost :	\$ -	\$ -	\$ 2,500,000	\$ 12,000,000	\$ -	\$ -	\$ -	\$ 14,500,000

Project Narrative:

Talley Way is the main link in the industrial area and experiences the heaviest truck traffic. It is vital to maintain this roadway in order to keep existing industries and attract new industries to the City. The current road section contains curb & gutter in small sections and access differs from site to site as the property owners have seen fit. Additionally, the road crosses the Coweeman River at its southern end via a bridge that is too narrow for the current levels of traffic and is in deteriorating condition.

Improvement of the roadway that imposes access controls will help traffic flow and safety through this vital corridor. The installation of curb & gutter as well as other storm drainage features will also increase the attractiveness of the area to potential businesses.

The bridge will need to be expanded to accommodate increases in traffic flow and size. It's current condition makes the improvement of this bridge critical to any expansion of the industrial area.

CIP REFERENCE NUMBER: T-15 2018-2023 **Project Title: Grade Street Rechannelization** Narrowing of Grade Street to two lanes of traffic with turn lanes and bike lanes to alleviate traffic issues for the S. **Description:** 4th Ave. / Allen St. intersection as well as improving safety by providing a designated path for bike use. Grade Street – From Oak Street / S. 5th Avenue intersection to Manasco Drive / S. 13th Avenue intersection Location: **Project Status**: Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction Land Status: No Land Involved City Owned Partially Owned Not Yet Acquired **Estimated Capital Costs:** Planning, Design, Engineering : \$ 60,000.00 Land Purchase : 380,000.00 Construction : \$ Project Location Grade Street Contingency Allowance (10%): Rechannelization **Total CIP Capital Cost :** 440,000 **Proposed Method of Financing (Percent)** Current Revenue : General Obligation Bonds : **Revenue Bonds**: Reserve Funds :

Source: [Esil, DigitalGlobe, Geoleye, Earthster Geographies, GNES/Atrbus DS, USDA, USGS, Aero GRID, IGN, and the GIS User Community

State Aid :

Federal Aid :

Other :

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	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 60,000							\$ 60,000
Land Acquisition								\$-
Construction	\$ 380,000							\$ 380,000
Other								\$-
Total Cost :	\$ 440,000	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ 440,000

Project Narrative:

Grade Street is currently a four-lane road section from the Oak Street / S. 4th Avenue intersection to the Manasco Way / S. 13th Avenue intersection. Traffic volume through this area do not warrant a road section this wide. Narrowing of this to two lanes of traffic with turn lanes and bike lanes would help to alleviate traffic issues for the S. 4th Ave. / Allen St. intersection as well as improving safety by providing a designated path for bike use.

This project will also look at the traffic making along 4th & 5th Avenues across Allen St. to determine if adjustments to this channeling would also help make the intersection safer.

Project Title:	Haussler Road – Vista Way Repairs								
Description:	Haussler Road and Vista Way is extensively damaged resulting from a combination of age, wear and potential								
	stabilization issues. The repair work identified here will address some	e of the worst locations along these roads.							
Location:	Haussler Road – Work identified at the Haussler & Lowrane St. intersection, Haussler & W. Vista Way								
	ntersection and on W. Vista Way								
		Durcia of Stature							
		Project Status:							
AND SALAN		Concept/Preliminary Planning							
		Preliminary Design							
	NOT TO SCALE	Final Plans & Specifications							
	NO IS DALL								
		Land Status:							
		No Land Involved							
		Partially Owned							
		Not Yet Acquired							
Carlos Color		Estimated Capital Costs:							
		Planning Design Engineering : \$ 240,000,00							
		Land Purchase :							
Ha	Project Location	Construction : \$ 800,000.00							
	Repairs Repairs	Contingency Allowance (10%):							
		Total CIP Capital Cost : \$ 1,040,000							
		Proposed Method of Financing (Percent)							
		Current Revenue :							
		General Obligation Bonds :							
	the company of the second s	Revenue Bonds :							
		Reserve Funds :							
	CEDAR FALLS OR Source: Esrl, DigitalGlobe, GeoEye, Earthstar	State Aid :							
	Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community	Federal Aid :							
		Other :							

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering		\$ 240,000						\$ 240,000
Land Acquisition								\$-
Construction			\$ 800,000					\$ 800,000
Other								\$-
Total Cost :	\$ -	\$ 240,000	\$ 800,000	\$ -	\$-	\$-	\$ -	\$ 1,040,000

Project Narrative:

Haussler Road and Vista Way are both located in the East Hills area of Kelso south of the Coweeman River and east of Interstate 5. The roadway in this area is extensively damaged resulting from a combination of age, wear and potential stabilization issues. The area has lower traffic volume and has received a low priority for pavement repair. The repair work identified here will address some of the worst locations along these roads.


CITY OF KELSO DRAINAGE SYSTEM PROJECTS 2018-2023 CIP

		2010-20
Project Title:	Annual Drainage Repairs and Upgrades	
Description:	This program funds projects not identified in the Stormwater Mast replacements and culvert replacements.	er Plan and additional needs; such as, catch basin
Location:	Various Locations – City Wide	
		Project Status:
		Chry Owned Partially Owned Not Yet Acquired Estimated Capital Costs: Planning, Design, Engineering : \$ 80,000.00 Land Purchase : Construction : \$ 300,000.00 Contingency Allowance (10%) :
2017		Total CIP Capital Cost : \$ 380,000
		Proposed Method of Financing (Percent) Current Revenue : 100% General Obligation Bonds :
	Source: Earl, DigitalSilobe, GeoRye, Tauthatar Geographica, GNLSIAItous DX, UXDA, UXXXX, ADX,	Revenue Bonds : Reserve Funds : State Aid :
自然 [5][4][4]	Cashinapping, Aangema, Ban, Ban, Ban, Cashasapo, and the calls	Federal Aid : Other :

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 10,000	\$ 10,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000		\$ 80,000
Land Acquisition								\$ -
Construction	\$ 40,000	\$ 40,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000		\$ 300,000
Other								\$-
Total Cost :	\$ 50,000	\$ 50,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ -	\$ 380,000

Project Narrative:

This project provides for a yearly fund to plan and construct storm sewer system improvements. The fund provides for yearly improvements identified in the master plan.

Project Title:	South Pacific Avenue Drainage Upgrades							
Description:	This project is being planned in conjunction with the surface rehabilitation of South Pacific Avenue. The project							
	will upgrade the substandard collection system.							
Lastin	South Pacific Avenue Cherry Street to Vine Street Approximately 1 800 linear fact							
Location:	South Pacific Avenue – Cherry Street to Vine Street. Approximately 1,800 linear feet.							
		Project Status:						
		 Annual Program Concept/Preliminary Plannin Preliminary Design Final Plans & Specifications Construction 	ng					
the second second		 No Land Involved City Owned Partially Owned Not Yet Acquired 						
	Project Location	Estimated Capital Costs:						
o o	South Pacific Avenue Drainage Upgrades	Planning, Design, Engineering :	\$	10,000.00				
		Land Purchase :						
		Construction :	\$	250,000.00				
		Contingency Allowance (10%):						
		Total CIP Capital Cost :	\$	260,000				
1	ALDER ST. COM COM COM	Proposed Method of Finance	cing (Percent)				
> //		Current Revenue	:	100%				
11		General Obligation Bonds	:					
		Revenue Bonds	:					
		Reserve Funds	:					
	Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX	State Aid	•					
	Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS	Federal Aid	•					
		Other	:					

-								
	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 10,000							\$ 10,000
Land Acquisition								\$-
Construction	\$ 250,000							\$ 250,000
Other								\$-
Total Cost :	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,000

Project Narrative:

This project is a portion of the South Pacific Avenue Rehabilitation project (T-10). The project provides for street improvements from Cherry Street to Vine Street. Improvement and upgrading of the storm sewer system is included as part of this construction project.



CITY OF KELSO PARKS PROJECTS 2018-2023 CIP

Project Title:	Tam O'Shanter Park Parking Improvements							
Description:	The park contains three baseball and softball stadiums, soccer fields and disc golf, in addition to river trails,							
	playgrounds and community gathering spaces. The park's heavy usage and limited ingress/egress points have							
	created a need for additional parking facilities to improve access for both patrons and emergency vehicles.							
Location:	Tam O'Shanter Park							
		Project Status:						
	Project Location	 Annual Program Concept/Preliminary Planning Preliminary Design Final Plans & Specifications Construction 						
	Tam O'Shanter Park	Land Status:						
	Parking improvements	No Land Involved						
		Partially Owned						
	Not Yet Acquired							
		Estimated Capital Costs:						
a dia		Planning, Design, Engineering : \$ 175,000.00)					
	A Contractor /	Land Purchase :						
A A A A A A A A A A A A A A A A A A A		Construction : \$ 1,000,000.00)					
		Contingency Allowance (10%) :						
	oman River	Total CIP Capital Cost : \$ 1,175,000)					
	Conte	Proposed Method of Financing (Percent)						
		Current Revenue :						
		General Obligation Bonds :						
RUSSELL ST		Revenue Bonds :						
	Source: Est Diater Goodbyo Estibator	Reserve Funds :						
	Geographics, CNES/Alrbus DS, USDA, USGS, AEX,	State Aid :						
	Cetmapping, Aerogrid, IGN, IGP, swisstopo, and the CIS User Community	Federal Aid :						
		Other :						

	2018	2019	2020	2021	2022	2023	Unfunded	Total
Planning, Design, Engineering	\$ 125,000	\$ 50,000						\$ 175,000
Land Acquisition								\$-
Construction		\$ 1,000,000						\$ 1,000,000
Other								\$-
Total Cost :	\$ 125,000	\$ 1,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,175,000

Project Narrative:

Tam O'Shanter Park currently contains multiple parking areas that are connected by narrow paved or gravel accesses. The majority of the existing parking areas are either gravel or their paved surfaces have deteriorated resulting in broken pavement and potholes. The unimproved or deteriorated parking areas lack pavement markings that would help define the parking areas and efficiently route traffic.

The project will address the deficient parking, access and surfacing issues. The project will look to improve circulation for vehicle and pedestrian traffic within the park by widening the existing accesses and/or creating new routes into and out of the park. The project will also look to improve the parking areas by improving the surfaces and providing markings and/or directional signing to improve traffic flow, parking efficiency and safety.