

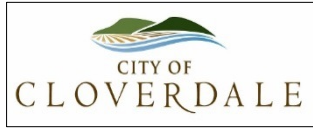


**Five-Year Capital Improvement Program
Summary: Airport Improvements**

List of Projects		Project Costs						Total	Priority Level
		2022	2023	2024	2025	2026	2027 & Beyond		
AP-025	Obstruction Removal	\$ -	\$ 300,000	\$ -	\$ -	\$ -		\$ 300,000	Necessary
AP-026	Des. Infield Area Drainage Imp.	\$ -	\$ 150,000	\$ -	\$ -	\$ -		\$ 150,000	Necessary
AP-027	Taxiway	\$ -	\$ -	\$ 500,000	\$ -			\$ 500,000	Necessary
AP-028	Con. Infield Area Drainage Imp.	\$ -	\$ -	\$ 400,000	\$ -	\$ -		\$ 400,000	Necessary
AP-029	Des. Segm. Circle & Light Wind	\$ -	\$ -	\$ -	\$ 50,000	\$ -		\$ 50,000	Necessary
AP-030	Con. Segm. Circle & Light Wind	\$ -	\$ -	\$ -	\$ -	\$ 150,000		\$ 150,000	Necessary
AP-031	Des. Perimeter Fenc. & Card Acc	\$ -	\$ -	\$ -	\$ -	\$ 85,000		\$ 85,000	Necessary
Airport CIP Total		\$ -	\$ 450,000	\$ 900,000	\$ 50,000	\$ 235,000	\$ -	\$ 1,635,000	

Notes:

- ¹Per discussions with City, Airport projects listed are high priority projects, and GHD have assigned them under the "Necessary" category.
- ²City to confirm whether AP-001, Obstruction Removal was completed in FY 17-18 or if it will be deferred to FY 18-19. The Obstruction Removal Project may be considered a maintenance project.
- ³Costs were based on information provided by City; it is assumed that the funding sources would cover the project costs.



City of Cloverdale
Five-Year Capital Improvement Program
Summary: Civic Facilities Improvements

List of Projects		Project Costs						Total	Priority Level
		2022	2023	2024	2025	2026	2027 and Beyond		
PO-001	Const Police Station	\$ -	\$ -	\$ 3,292,993	\$ 13,652,008	\$ 55,000		\$ 17,000,000	Necessary
PO-002	Demo Police Bldg	\$ -	\$ -	\$ -	\$ -	\$ 170,900	\$ 95,970	\$ 266,870	Desirable
PO-003	Police - Radio Repeater	\$ -	\$ -	\$ -	\$ -	\$ 15,600		\$ 15,600	Necessary
CF-002	Corporation Yard	\$ -	\$ -	\$ -	\$ -	\$ 2,036,800		\$ 2,036,800	Desirable
CF-009	Senior Center	\$ -	\$ -	\$ 66,484	\$ -	\$ -		\$ 66,484	Desirable
Civic Facilities CIP Total		\$ -	\$ -	\$ 3,359,477	\$ 13,652,008	\$ 2,278,300	\$ 95,970	\$ 19,385,754	

Notes

¹Per discussions with City, installation of three new Portland Loo public restrooms is in progress and are not incorporated into CIP.

²The roof of the library has just been completed and no significant work is anticipated over the next 10 years.

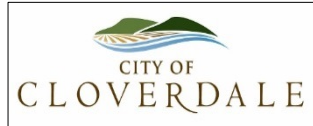
³The design of the police station is in progress and is not included in the CIP. Cost for construction of the new Police Station to be verified based on latest design.



City of Cloverdale Five Year Capital Improvement Program Project Detail Form

Project Name: Radio Repeater Study and Design	Project No: PO-003						
Project Description: This project is to develop radio pathway study for the design and construction of a repeater station, standby generator and batteries at two locations. The study would analyze and identify the two locations to provide the communications tower and a redundant transmitter station.	Department: Police						
Justification:	Priority: <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 50px;"></td> <td style="padding-left: 10px;">Mandate</td> </tr> <tr> <td style="border-bottom: 1px solid black; text-align: center;">X</td> <td style="padding-left: 10px;">Necessary</td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="padding-left: 10px;">Desirable</td> </tr> </table>		Mandate	X	Necessary		Desirable
	Mandate						
X	Necessary						
	Desirable						
General Plan Consistency:	Appropriations beyond the 5 year program period are needed to complete project: YES (X) NO ()						

	Item	Budget FY 16-17	Est Expend FY 16-17		2022	2023	2024	2025	2026	Total
Project Costs:	Radio Repeater Study								\$ 15,600	\$ 15,600
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 15,600	\$ 15,600
Funding Sources:										
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated O & M										



City of Cloverdale
Five-Year Capital Improvement Program
Summary: Parks and Landscape Improvements

List of Projects		Project Costs ¹						Total	Priority Level
		2022	2023	2024	2025	2026	2027 and Beyond		
PR-002	Skate Park	\$ -	\$ 10,000	\$ 480,000	\$ 333,200	\$ -		\$ 823,200	Desirable
PR-003	Dog Park	\$ -	\$ -	\$ 44,000	\$ 89,600	\$ -		\$ 133,600	Desirable
PR-007	River Trail Improv	\$ -	\$ -	\$ 101,670	\$ -	\$ -		\$ 101,670	Desirable
PR-009	2nd Street Park and Scout Build	\$ -	\$ 56,000	\$ 100,000	\$ 2,655,000	\$ 860,000	\$ 3,617,000	\$ 7,288,000	Desirable
PR-011	Clark Park Restrooms	\$ -	\$ 188,000	\$ -	\$ -	\$ -		\$ 188,000	Desirable
PR-012	Furber Park Maint Shed	\$ -	\$ 85,000	\$ -	\$ -	\$ -		\$ 85,000	Desirable
PR-013	Plaza	\$ -	\$ -	\$ 350,000	\$ -	\$ -	St	\$ 350,000	Desirable
PR-015	Sports Field	\$ -	\$ -	\$ 30,000	\$ -	\$ -		\$ 30,000	Desirable
Park Improvements CIP Total		\$ -	\$ 339,000	\$ 1,105,670	\$ 3,077,800	\$ 860,000	\$ 3,617,000	\$ 8,999,470	

Note:

¹O&M costs are not factored into the CIP. Projects that are solely preventative maintenance or O&M are not included in the CIP (e.g., tree pruning at Clark Park).

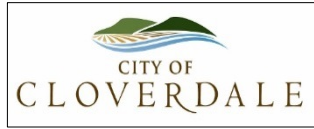


City of Cloverdale
Five-Year Capital Improvement Program
Summary: Stormwater and Drainage Improvements

List of Projects		Project Costs						Total	Priority Level
		2022	2023	2024	2025	2026	2027 and Beyond		
DR-027	Trash Screen	\$ -	\$ -	\$ 7,500	\$ -	\$ -		\$ 7,500	Desireable
DR-028	Downtown Creek Re-Alignment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000	Necessary
DR-029	Stormwater Master Plan	\$ -	\$ -	\$ -	\$ 150,000	\$ -		\$ 150,000	Mandate
Stormwater and Drainage Improvements CIP Total		\$ -	\$ -	\$ 7,500	\$ 150,000	\$ -	\$ 4,000,000	\$ 4,157,500	

Note:

¹Trash screen can be completed under the O&M budget instead of CIP.



City of Cloverdale
Five-Year Capital Improvement Program
Summary: Street Improvements

List of Projects		Project Costs						Total	Priority Level
		2022	2023	2024	2025	2026	2027 and Beyond		
ST-035	S. Wash St to Healds Ave Ext.	\$ -	\$ -	\$ -	\$ 45,800	\$ 597,400		\$ 643,200	Desireable
ST-036	4th Street Improvements	\$ -	\$ -	\$ -	\$ 79,500	\$ 1,035,500		\$ 1,115,000	Mandate
ST-037	Traffic Signal Improvements	\$ -	\$ -	\$ -	\$ 405,000	\$ 405,000		\$ 810,000	Desireable
ST-038	Cloverdale Blvd & Heald. Ave	\$ -	\$ -	\$ -	\$ 500,000	\$ -		\$ 500,000	Desireable
Street Improvements CIP Total		\$ -	\$ -	\$ -	\$ 1,030,300	\$ 2,037,900	\$ -	\$ 3,068,200	

Notes:

¹Cost information required for ST-035 and ST-036.

²City to inform whether Pavement Management Program should be incorporated into CIP.



City of Cloverdale
Five-Year Capital Improvement Program
Summary: Wastewater Improvements

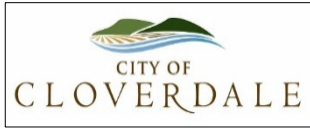
List of Projects		Project Costs						Total	Priority Level
		2022	2023	2024	2025	2026	2027 and Beyond		
SA-031	WWTP Upgrade to AWT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,000,000	\$ 85,000,000	Mandate
SA-032	Sewer Line Replacement	\$ -	\$ -	\$ 400,000	\$ 1,584,000	\$ 1,584,000	\$ 5,616,000	\$ 9,184,000	Necessary
This project	Slip Line	\$ 200,000	\$ 200,000	\$ -	\$ 150,000	\$ 1,309,000	\$ -	\$ 1,859,000	Necessary
SA-034	WWTP Generator	\$ -	\$ -	\$ 49,000	\$ 300,000	\$ 384,000	\$ -	\$ 733,000	Necessary
SA-035	SCADA Upgrades	\$ -	\$ -	\$ 246,200	\$ 300,000	\$ -	\$ -	\$ 546,200	Necessary
SA-015A	Dsgn. & Const. Shahan Pump Sta.	\$ -	\$ -	\$ 55,000	\$ 150,000	\$ -	\$ 400,000	\$ 605,000	Necessary
SA-038	Sewer Master Plan	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	Mandate
SA-039	CCTV	\$ -	\$ 100,000	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 500,000	Necessary
SA-040	GIS Mapping	\$ -	\$ -	\$ 280,000	\$ -	\$ -	\$ -	\$ 280,000	Desirable
SA-029	Asti Sewer and Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,476,730	\$ 8,476,730	Necessary
SA-042	SSMH Lining	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ 500,000	Desirable
SA-043	Biosolids Removal	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000	Necessary
Wastewater Improvements CIP Total		\$ 200,000	\$ 300,000	\$ 1,230,200	\$ 3,134,000	\$ 4,127,000	\$ 99,492,730	\$ 108,483,930	



City of Cloverdale Five-Year Capital Improvement Program Project Detail Form

Project Name: Wastewater Treatment Plant Upgrade to Advanced Water Treatment	Project No: SA-031
Project Description: This project consists of an upgrade at the wastewater treatment plant to provide advanced treated water.	Department: Public Works
Justification: The City's NPDES permit expires in 2023. It is anticipated that the State Water Quality Control Board will require tertiary treatment (filters or membrane system) within the next 15 years. Upgrading to advanced water treatment will enable the city to exceed tertiary treatment requirements as well as provide reclaimed water to users. The WWTP and recycled water improvements should be implemented simultaneously to provide maximum benefits.	Priority: <div style="text-align: right; margin-right: 20px;"> <input checked="" type="checkbox"/> Mandate <input type="checkbox"/> Necessary <input type="checkbox"/> Desirable </div>
General Plan Consistency:	Appropriations beyond the 5-year program period are needed to complete project: <div style="text-align: right;"> <input checked="" type="checkbox"/> YES (X) <input type="checkbox"/> NO () </div>

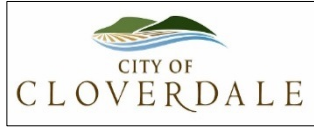
	Item	Budget FY 16-17	Est Expend FY 16-17		2022	2023	2024	2025	2026	2027 and Beyond	Total
Project Costs:	WWTP Upgrade to AWT									\$ 85,000,000	\$ 85,000,000
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,000,000	\$ 85,000,000
Funding Sources:	Sewer Operations Fund, 40%										
	Development Impact Fees - SA, 60%										
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated O & M											



City of Cloverdale Five-Year Capital Improvement Program Project Detail Form

Project Name: Sanitary Sewer Manhole Lining	Project No: SA-042						
Project Description: This project consists of an upgrade at the wastewater treatment plant to provide advanced treated water.	Department: Public Works						
Justification: Installation of lining will extend the life of the sanitary sewer manholes.	Priority: <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">_____</td><td style="text-align: right;">Mandate</td></tr> <tr><td style="text-align: center;">_____</td><td style="text-align: right;">Necessary</td></tr> <tr><td style="text-align: center;">_____X_____</td><td style="text-align: right;">Desirable</td></tr> </table>	_____	Mandate	_____	Necessary	_____X_____	Desirable
_____	Mandate						
_____	Necessary						
_____X_____	Desirable						
General Plan Consistency:	Appropriations beyond the 5-year program period are needed to complete project: YES () NO (X)						

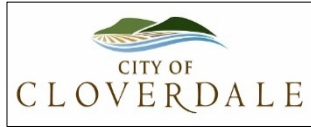
	Item	Budget FY 16-17	Est Expend FY 16-17		2022	2023	2024	2025	2026	2027 and Beyond	Total
Project Costs:	Manhole Lining							\$ 250,000	\$ 250,000		\$ 500,000
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ 500,000
Funding Sources:											
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated O & M											



City of Cloverdale
Five-Year Capital Improvement Program
Project Detail Form

Project Name: Biosolids Removal	Project No: SA-043
Project Description: This project consists of an upgrade at the wastewater treatment plant to provide advanced treated water.	Department: Public Works
	Priority: <div style="text-align: right; margin-right: 20px;"> <input checked="" type="checkbox"/> Mandate Necessary <input type="checkbox"/> Desirable </div>
Justification: Biosolids removal is needed to maintain functioning of evaporation ponds.	Appropriations beyond the 5-year program period are needed to complete project: <div style="text-align: center;"> YES () NO (X) </div>
General Plan Consistency:	

	Item	Budget FY 16-17	Est Expend FY 16-17		2022	2023	2024	2025	2026	2027 and Beyond	Total
Project Costs:	Biosolids Removal								\$ 600,000		\$ 600,000
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000
Funding Sources:											
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated O & M											



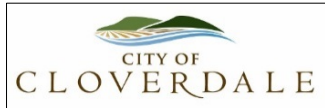
City of Cloverdale
Five-Year Capital Improvement Program
Summary: Water Improvements

List of Projects	Project Costs							Total
	2022	2023	2024	2025	2026	2027 and Beyond		
WA-061 Source Capacity	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000	
WA-062 New Well	\$ -	\$ 185,000	\$ 1,246,000	\$ -	\$ -	\$ -	\$ 1,431,000	
WA-063 Well Replacement #7	\$ -	\$ -	\$ -	\$ 302,800	\$ -	\$ -	\$ 302,800	
WA-086 Well Rehabilitation #8	\$ -	\$ -	\$ -	\$ -	\$ 260,176	\$ -	\$ 260,176	
WA-064 Water Master Plan	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000	
WA-065 SCADA Expansion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 626,200	\$ 626,200	
WA-066 Cherry Creek Reservoir Rehab.	\$ 165,000	\$ 828,750	\$ 276,250	\$ -	\$ -	\$ -	\$ 1,270,000	
WA-067 Water Main Replacement	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 9,720,000	\$ 10,720,000	
WA-068 Site Security Fencing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 203,200	\$ 203,200	
WA-069 Ritter Reservoirs	\$ -	\$ -	\$ -	\$ 1,487,000	\$ 400,000	\$ -	\$ 1,887,000	
WA-070 Reservoir Siting Study	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	
WA-071 Del Webb Reservoir # 1,2,3 Coat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,262,000	\$ 1,262,000	
WA-072 Vista View PS Rehab.	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 65,000	\$ 75,000	
WA-073 School Street PS Rehab.	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 173,440	\$ 223,440	
WA-074 Meter Radio Read Upgrade	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 300,000	\$ 750,000	
WA-075 WTP 2nd Chlorine Contact Tank	\$ -	\$ -	\$ -	\$ 1,535,000	\$ 1,535,000	\$ -	\$ 3,070,000	
WA-076 WTP Chemical Tank Rehab-Repl	\$ -	\$ -	\$ -	\$ -	\$ 454,600	\$ -	\$ 454,600	
WA-077 WTP Sludge Drying Bed	\$ -	\$ -	\$ 1,551,500	\$ -	\$ -	\$ -	\$ 1,551,500	
WA-078 WTP Backwash Pond Rehab.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174,000	\$ 174,000	
WA-079 WTP Upgrade Covered Parking	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,000	\$ 172,000	
WA-080 WTP Filter Upgrades	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,000	\$ 885,000	
WA-081 WTP Gantry Crane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 875,000	\$ 875,000	
WA-082 WTP Transfer Pumps	\$ -	\$ -	\$ -	\$ -	\$ 735,000	\$ -	\$ 735,000	
WA-083 Furber Tanks	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ 400,000	
WA-084 Tanks - Seismic Eval	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 492,000	\$ 492,000	
Water Improvements CIP Total	\$ 177,000	\$ 1,373,750	\$ 3,423,750	\$ 3,874,800	\$ 4,234,775	\$ 15,047,840	\$ 28,131,915	

Notes:

¹Security (gate and fence) at WTP currently being done by City and is not included in this CIP

²WTP Filter #1 and #2 recoat of interior currently being done by City and is not included in this CIP.



City of Cloverdale

Five-Year Capital Improvement Program Project Detail Form

Project Name: Reservoirs Tanks - Seismic Evaluations	Project No: WA-084						
Project Description: This project consists of retrofitting the WTP building to accommodate a gantry crane that can span the effluent pump area of the building. Note: The cost estimate assumes conducting a civil, structural, and geotechnical analysis of 6 tanks, including preparation of a condition assessment and structural evaluation report for each tank site including field observations, collected data, and site	Department: Public Works						
Justification: The current pump station configuration lacks redundancy and is inefficient to operate and maintain. The existing pump station has a below-ground pump station configuration. Existing transformer only allows one pump to be in service. The pump station has no	Priority: <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-bottom: 1px solid black; width: 50px;"></td><td style="text-align: center;">Mandate</td></tr> <tr><td style="border-bottom: 1px solid black; text-align: center;">X</td><td style="text-align: center;">Necessary</td></tr> <tr><td style="border-bottom: 1px solid black;"></td><td style="text-align: center;">Desirable</td></tr> </table>		Mandate	X	Necessary		Desirable
	Mandate						
X	Necessary						
	Desirable						
General Plan Consistency:	Appropriations beyond the 5-year program period are needed to complete project: <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">YES</td><td style="text-align: center;">(X)</td></tr> <tr><td style="text-align: center;">NO</td><td style="text-align: center;">()</td></tr> </table>	YES	(X)	NO	()		
YES	(X)						
NO	()						

	Item	Budget FY 16-17	Est Expend FY 16-17		2022	2023	2024	2025	2026	2027 & Beyond	Total
Project Costs:	Seismic Evaluation									\$ 492,000	\$ 492,000
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 492,000	\$ 492,000
Funding Sources:											
	Total	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Estimated O & M											