

Ordinance 19020

Attachment A

King County Road Services Division
2020-2025 Capital Improvement Program

King County Road Services Division

2020 Planned CIP

Number	Project name
1129582	RSD EMERGENT NEED 3855
1129583	RSD GRANT CONTINGENCY 3855
1129584	RSD CWP QUICK RESPONSE
1129585	RSD CWP ROADWAY PRESERVATION
1129586	RSD CWP DRAINAGE PRESERVATION
1129587	RSD CWP GUARDRAIL PRESERVATION
1129588	RSD CWP BRIDGE PRIORITY MAINT
1129590	RSD CWP HIGH COLLISION SAFETY
1129591	RSD CWP SCHOOL ZONE SAFETY
1129592	RSD EMERGENT NEED 3865
1129593	RSD GRANT CONTINGENCY 3865
1129594	RSD CWP GUARDRAIL CONSTRUCTION
1129598	RSD ISS HBRT RD@MAY VLLY IMPRV
1129841	RSD CIP OVERSIGHT 3855
1130303	RSD CIP OVERSIGHT 3865
1131333	RSD CWP FLOOD CONTROL DISTRICT
1134079	RSD KENTKANGLEY LNDSBRG RNDABT
1134080	RSD WDDUV SNOQ VALLEY IMPROVE
1134093	RSD CWP TRAFFIC SAFETY
1135042	RSD VASHON MAINT FACILITY REPL
1135043	RSD NE MAINT FACILITY CNST
1135044	RSD PRSTN MAINT FACILTY BLDOUT
1135045	RSD CWP CLVRT RPLCMT FISH PASS
1135073	RSD CWP 2019-20 Bridge Safety

King County Road Services Division

2020 Planned - Project totals Fund 3855

9/7/2019

Project	Project Name	2019	2020	***** in thousands of dollars *****					2020 - 2025
		Budget	Plan	2021	2022	2023	2024	2025	
1129582	Emergent Need 3855	1,250,000	845,000	1,075	1,400	990	305	0	4,615,000
1129583	Grant Contingency 3855	5,000,000	5,000,000	0	0	0	0	0	5,000,000
1129584	CWP Quick Response	5,118,864	1,500,000	1,500	1,500	1,500	1,500	0	7,500,000
1129585	CWP Roadway Preservation	17,319,594	6,298,000	8,217	1,000	1,000	0	0	16,515,000
1129586	CWP Drainage Preservation	4,253,769	3,150,000	2,800	2,800	2,000	1,800	750	13,300,000
1129587	CWP Guardrail Preservation	4,738,755	3,000,000	1,000	550	405	525	0	5,480,000
1129588	CWP Bridge Priority Maintenance	1,792,377	1,150,000	500	0	0	0	0	1,650,000
1129590	CWP High Collision Safety	1,842,135	100,000	660	800	2,000	0	0	3,560,000
1129591	CWP School Zone Safety	100,000	461,000	100	100	100	100	0	861,000
1129841	Capital Program Oversight 3855	31,240	13,000	0	0	0	0	0	13,000
1131333	Flood Control District	3,392,810	2,200,000	1,750	1,400	1,650	0	0	7,000,000
1134093	CWP Traffic Safety	469,000	524,000	681	681	590	550	0	3,026,000
1135045	CWP Culvert Replacement and Fish Passage	2,261,000	2,261,000	2,715	2,715	3,140	3,140	2,600	16,571,000
1135073	CWP 2019-20 Bridge Safety	11,442,000	0	4,903	19,399	10,586	0	0	34,888,000
		59,011,543	26,502,000	25,901	32,345	23,961	7,920	3,350	119,979,000

King County Road Services Division

2020 Planned - Project totals Fund 3865

9/7/2019

Project	Project Name	2019	2020	***** in thousands of dollars *****					2020 - 2025
		Budget	Plan	2021	2022	2023	2024	2025	
1129592	Emergent Need 3865	540,178	20,000	50	270	50	0	0	390,000
1129593	Grant Contingency 3865	2,500,000	2,500,000	0	0	0	0	0	2,500,000
1129594	CWP Guardrail Construction	655,666	400,000	450	0	450	0	0	1,300,000
1129598	Issaquah Hobart @ May Valley Improvement	2,039,000	0	0	3,831	0	0	0	3,831,000
1130303	Capital Program Oversight 3865	9,023	2,000	0	0	0	0	0	2,000
1134079	SE Kent-Kangley Road @ Landsburg Road SE R	100,000	0	320	1,690	0	0	0	2,010,000
1134080	NE Woodinville Duvall @ West Snoqualmie Val	150,000	0	400	0	600	0	0	1,000,000
1135042	Vashon Maintenance Facility Replacement	505,000	0	1,500	0	14,400	0	0	15,900,000
1135043	Northeast Maintenance Facility Replacement	0	0	5,000	1,500	0	16,400	0	22,900,000
1135044	Preston Maintenance Facility Buildout	0	0	1,200	0	10,400	0	0	11,600,000
		6,498,867	2,922,000	8,920	7,291	25,900	16,400	0	61,433,000

2020 Planned - Revenue totals for Fund 3855

		2019	2020	***** in thousands of dollars *****					Totals	Source
		Budget	Plan	2021	2022	2023	2024	2025	2020-2025	Total
30800	Beg Unencumbered Fund Bala	26,065,494	100,000	0	0	0	0	0	100,000	26,165,494
33340	Federal Highway Admin.	0	0	0	0	0	0	0	0	0
33341	F.A.U.S. Road Grant	5,000,000	5,759,000	2,624	0	0	0	0	8,383,000	13,383,000
33343	Federal Bridge Grant	1,509,742	0	2,525	15,404	0	0	0	17,929,000	19,438,742
33437	R.A.P. Road Grant.	1,700,000	0	0	0	0	0	0	0	1,700,000
39113	General Obligation Bonds	0	0	2,683	4,965	11,115	0	0	18,763,000	18,763,000
39721	Contribution -Surf Water Mgt.	3,611,000	4,111,000	4,215	4,215	3,350	3,350	3,350	22,591,000	26,202,000
39782	Contribution -County Road Fu	12,318,678	13,982,000	10,007	6,011	5,559	4,030	0	39,589,000	51,925,032
39789	Contribution -Real Estate Tax	4,894,000	0	1,747	0	2,287	540	0	4,574,000	9,468,000
43367	Other Government-Road Const	520,000	350,000	350	350	0	0	0	1,050,000	1,570,000
44179	ROAD CE SWM	3,392,810	2,200,000	1,750	1,400	1,650	0	0	7,000,000	10,392,810
		59,011,724	26,502,000	25,901	32,345	23,961	7,920	3,350	119,979,000	179,008,078

2020 Planned - Revenue totals for Fund 3865

		2019	2020	***** in thousands of dollars *****					Totals	Source
		Budget	Plan	2021	2022	2023	2024	2025	2020-2025	Total
30800	Beg Unencumbered Fund Bala	715,844	0	0	0	0	0	0	0	715,844
33341	F.A.U.S. Road Grant	2,500,000	2,500,000	0	0	0	0	0	2,500,000	5,000,000
33436	WA ST Dept of Transportation	510,000	0	346	3,831	519	0	0	4,696,000	5,206,000
39512	Sale of Land	500,000	0	7,700	1,500	24,800	16,400	0	50,400,000	50,900,000
39782	Contribution -County Road Fu	2,173,023	422,000	874	1,960	581	0	0	3,837,000	6,017,093
44179	ROAD CE SWM	100,000	0	0	0	0	0	0	0	100,000
		6,498,867	2,922,000	8,920	7,291	25,900	16,400	0	61,433,000	67,938,937

2020 Planned - Revenue totals for Funds 3855 and 3865

		2019	2020	***** in thousands of dollars *****					Totals	Total
		Budget	Plan	2021	2022	2023	2024	2025	2020-2025	Total
		65,510,591	29,424,000	34,821	39,636	49,861	24,320	3,350	181,412,000	246,947,015

King County Road Services Division 2020 CIP Plan

1129582 Emergent Need 3855

Administrative

Y

Department	Fund	Cost Center	Award	SPRS Goal: n/a	Council District: 10
Transportation	3855	C85501	117471	Major Class of Work: n/a	TBM n/a
				Functional Class: n/a	Lat
				Tier: n/a	Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	1,250,000	845,000	1,075	1,400	990	305	0	4,615,000	5,865,000
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		1,250,000	845,000	1,075	1,400	990	305	0	4,615,000	5,865,000

Revenue Sources

39113 P	General Obligation Bonds	0	0	305	970	529	0	0	1,804,000
39782 P	Contribution -County Road	730,000	495,000	420	430	461	305	0	2,111,000
43367 A	Other Government-Road Co	520,000	350,000	0	0	0	0	0	350,000
43367 P	Other Government-Road Co	0	0	350	0	0	0	0	350,000
Annual Revenue Total		1,250,000	845,000	1,075	1,400	990	305	0	4,615,000

Scope This project provides funding for existing projects that experience unforeseen circumstances such as accelerations or delays.

Justification This project allows Roads flexibility with project implementation. It is to cover costs for unforeseen circumstances and developments not anticipated at the time of budget adoption. If Roads did not have the flexibility of this project to expediently transfer appropriation, the ability of the division to proactively manage projects would be limited.

Status On going

King County Road Services Division 2020 CIP Plan

1129583 Grant Contingency 3855

Administrative

Y

Department Fund Cost Center Award
 Transportation 3855 C85501 117472

SPRS Goal: n/a
 Major Class of Work: n/a
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	5,000,000	5,000,000	0	0	0	0	0	5,000,000	10,000,000
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		5,000,000	5,000,000	0	0	0	0	0	5,000,000	10,000,000

Revenue Sources

33340 A Federal Highway Admin.	0	0	0	0	0	0	0	0	0
33341 A F.A.U.S. Road Grant	5,000,000	5,000,000	0	0	0	0	0	0	5,000,000
Annual Revenue Total	5,000,000	5,000,000	0	0	0	0	0	0	5,000,000

Scope This project provides appropriation authority reflecting potential grant contingent sources that may be awarded.

Justification This project allows Roads the flexibility to accept emergent grant funds.

Status On going

King County Road Services Division 2020 CIP Plan

1129584 CWP Quick Response

Administrative

Y

Department	Fund	Cost Center	Award	SPRS Goal: n/a	Council District: 10
Transportation	3855	C85501	117473	Major Class of Work: n/a	TBM n/a
				Functional Class: n/a	Lat
				Tier: n/a	Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	5,118,864	1,500,000	1,500	1,500	1,500	1,500	0	7,500,000	12,618,864
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		5,118,864	1,500,000	1,500	1,500	1,500	1,500	0	7,500,000	12,618,864

Revenue Sources

30800 A Beg Unencumbered Fund Ba	3,618,864	0	0	0	0	0	0	0	0
39782 P Contribution -County Road	1,500,000	1,500,000	1,500	1,500	1,500	1,500	0	0	7,500,000
Annual Revenue Total	5,118,864	1,500,000	1,500	1,500	1,500	1,500	1,500	0	7,500,000

Scope This project allows Roads to respond to emerging needs of citizens and the roadway system. The Quick Response countywide project supplies funds for sub-projects that require immediate attention, including emergency repairs associated with storm damage or other infrastructure deterioration or damage, unanticipated pedestrian or vehicle needs, or other emerging issues.

Justification Given the current financial situation and the accelerating rate of decline of the condition of the system, Roads by necessity is becoming a more reactive rather than proactive agency. The Quick Response countywide project will supply funds for sub-projects that arise during the year that require immediate attention. Projects can include emergency repairs associated with storm damage or other infrastructure deterioration or damage, unanticipated pedestrian or vehicle safety needs or other emerging issues.

Status On going

King County Road Services Division 2020 CIP Plan

1129585 CWP Roadway Preservation

Countywide

Y

Department Fund Cost Center Award
 Transportation 3855 C85501 117474

Manager Jaramillo
 Supervisor Daggs
 Project Mg Moore

SPRS Goal: Preservation
 Major Class of Work: Other Enhancements
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Phase		***** in thousands of dollars *****							Total 2020 - 2025	Phase Total
		2019 Budget	2020 Plan	2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	
2	Prelim Design	0	0	0	0	0	0	0	0	
3	Final Design	0	878,000	0	0	0	0	0	878,000	
4	Implementation	17,319,594	5,420,000	8,217	1,000	1,000	0	0	15,637,000	
5	Closeout	0	0	0	0	0	0	0	0	
6	Acquisition	0	0	0	0	0	0	0	0	
Annual Project Total		17,319,594	6,298,000	8,217	1,000	1,000	0	0	16,515,000	33,834,594

Revenue Sources											
30800 A	Beg	Unencumbered	Fund	Ba	13,919,594	0	0	0	0	0	0
33341 A	F.A.U.S.	Road	Grant		0	759,000	2,624	0	0	0	3,383,000
39782 P	Contribution	-County	Road		506,000	5,539,000	3,846	1,000	0	0	10,385,000
39789 A	Contribution	-Real Estate	Ta		2,894,000	0	1,747	0	1,000	0	2,747,000
Annual Revenue Total					17,319,594	6,298,000	8,217	1,000	1,000	0	16,515,000

Scope Countywide Program Roadway Preservation - This program preserves roadway infrastructure by applying cost-effective resurfacing and rehabilitation treatments to extend the life of existing roadways.

Justification Two of the goals in the 2014 Strategic Plan for Road Services are to address safety concerns, and to preserve the existing roadway network. This program serves these goals by applying preservation treatments that improve roadways' functional performance and that address their physical deterioration. Applying the most cost-effective treatment at the right time extends a roadway's useful life. With more than 1 million trips per day serving residents, connecting incorporated areas, and moving freight, the county road system is a critical component of the regional economy. As such, preserving its overall condition and functionality aligns with the County Executive's priority of Regional Mobility. If these treatments are not applied, repercussions may include higher lifecycle costs, user delays, and increased risks.

Status On going

King County Road Services Division 2020 CIP Plan

1129586 CWP Drainage Preservation

Countywide

Y

Department	Fund	Cost Center	Award		SPRS Goal: Preservation	Council District: 10
Transportation	3855	C85501	117475		Major Class of Work: Drainage	TBM n/a
					Functional Class: n/a	Lat
					Tier: n/a	Long

Manager Cassidy
 Supervisor Shular
 Project Mg Shular

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	4,253,769	3,150,000	2,800	2,800	2,000	1,800	750	13,300,000	17,553,769
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		4,253,769	3,150,000	2,800	2,800	2,000	1,800	750	13,300,000	17,553,769

Revenue Sources

30800 A Beg Unencumbered Fund Ba	603,769	0	0	0	0	0	0	0	0
39721 A Contribution -Surf Water M	1,850,000	1,850,000	1,500	1,500	750	750	750		7,100,000
39721 p Contribution -Surf Water M	0	0	0	0	0	0	0		0
39782 A Contribution -County Road	1,800,000	1,300,000	1,300	950	503	1,050	0		5,103,000
39789 P Contribution -Real Estate Ta	0	0	0	0	747	0	0		747,000
43367 P Other Government-Road Co	0	0	0	350	0	0	0		350,000
Annual Revenue Total	4,253,769	3,150,000	2,800	2,800	2,000	1,800	750		13,300,000

Scope This program funds replacement and preservation of aging drainage systems and associated roadway features in compliance with current codes and standards. Projects include replacing failed systems as well as implementation of new pipe or catch basins to collect water that is adversely affecting the road system or private property.

Justification Two of the goals in the 2014 Strategic Plan for Road Services are to address safety concerns, and to preserve and maintain the existing roadway network. This program will protect road users, and improve and maintain the roadway structure by eliminating failed or failing drainage systems, restoring structural capacity, and preventing water damage to public and private properties. Generally, the solution is replacing the failed system but it could also include new pipe or catch basins to collect water that is adversely affecting the road system or private property.

Another goal of the strategic plan is to meet regulatory requirements or standards. The program's work is regulated by federal statutes, state laws and regulations, and King County Code.

If the road drainage system is not maintained, there could be possible injuries to road users, damage to public and private property, liability for water flow that is displaced as a result of system failure, icy road conditions in the winter, premature failure of the roadway due to soil saturation and road closures.

Status On going

King County Road Services Division 2020 CIP Plan

1129587 CWP Guardrail Preservation

Countywide

Y

Department Fund Cost Center Award
 Transportation 3855 C85501 117476

Manager LeSmith
 Supervisor McManus
 Project Mg Mott

SPRS Goal: Preservation
 Major Class of Work: Safety/Traffic Ops/TSM
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

		2019	2020	***** in thousands of dollars *****					Total	Phase
Phase		Budget	Plan	2021	2022	2023	2024	2025	2020 - 2025	Total
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	4,738,755	3,000,000	1,000	550	405	525	0	5,480,000	10,218,755
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		4,738,755	3,000,000	1,000	550	405	525	0	5,480,000	10,218,755

Revenue Sources

30800 A Beg Unencumbered Fund Ba	4,738,755	0	0	0	0	0	0	0	0
39782 A Contribution -County Road	0	3,000,000	1,000	550	405	525	0	0	5,480,000
Annual Revenue Total	4,738,755	3,000,000	1,000	550	405	525	0	0	5,480,000

Scope This program identifies and prioritizes existing guardrail to be refurbished or upgraded to current standards. Program work includes installing guideposts on the guardrail according to federal standards, upgrading or installing end terminals, and raising guardrail to current standard height recommendations.

Justification The division's top priority in the 2014 Strategic Plan for Road Services is to address safety concerns on the roadway network. This program will improve the safety of the system by upgrading existing guardrail and guardrail end terminals. This includes identifying and replacing existing end terminals that do not meet current standards. This project will also install guideposts on the guardrail according to federal standards. Other work includes raising guardrail to current standard height recommended by WSDOT Design Standards. Upgrading existing guardrail and guardrail end terminals will make the road safer and may lessen the severity of crashes.

Status On going

King County Road Services Division 2020 CIP Plan

1129588 CWP Bridge Priority Maintenance

Countywide

Y

Department	Fund	Cost Center	Award		SPRS Goal: Preservation	Council District: 10
Transportation	3855	C85501	117477		Major Class of Work: Minor Bridge Rehab.	TBM n/a
					Functional Class: n/a	Lat
					Tier: n/a	Long

Manager Jaramillo
 Supervisor Jose
 Project Mg Roark

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	1,792,377	1,150,000	500	0	0	0	0	1,650,000	3,442,377
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		1,792,377	1,150,000	500	0	0	0	0	1,650,000	3,442,377

Revenue Sources

30800 A Beg Unencumbered Fund Ba	1,342,377	0	0	0	0	0	0	0	0
39782 A Contribution -County Road	450,000	1,150,000	500	0	0	0	0	0	1,650,000
Annual Revenue Total	1,792,377	1,150,000	500	0	0	0	0	0	1,650,000

Scope This project funds high priority preservation and maintenance projects to keep the aging bridge inventory serviceable and safe for the traveling public. Project activities may include load upgrades, scour mitigation, re-decking, bridge rail repairs or retrofits, superstructure and substructure repairs, painting, etc.

Justification Two of the goals in the 2014 Strategic Plan for Road Services are to address safety concerns, and to preserve and maintain the existing roadway network. With limited revenues and many unfunded transportation needs in King County, emphasis is placed on keeping the existing bridge infrastructure serviceable and safe for the traveling public. Regular federally mandated routine inspections identify repairs for the bridges. These repairs are prioritized based on: structural safety, traffic safety and the potential to reduce frequent maintenance. These repairs may include load upgrades, scour mitigation, redecking, bridge rail repairs or retrofits, superstructure and substructure repairs, painting, etc. Preserving the county's bridges will benefit mobility, aligning with the County Executive's priority of Regional Mobility. If they are not repaired or maintained, these structures will degrade faster, and will need to be posted for load restrictions or closed to the public.

Status On going

King County Road Services Division 2020 CIP Plan

1129590 CWP High Collision Safety

Countywide

Y

Department Fund Cost Center Award
 Transportation 3855 C85501 117479

Manager LeSmith
 Supervisor McManus
 Project Mg Sahagun

SPRS Goal: Safety
 Major Class of Work: Safety/Traffic Ops/TSM
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	1,842,135	100,000	660	800	2,000	0	0	3,560,000	5,402,135
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		1,842,135	100,000	660	800	2,000	0	0	3,560,000	5,402,135

Revenue Sources

30800 A Beg Unencumbered Fund Ba	1,842,135	100,000	0	0	0	0	0	100,000
39782 P Contribution -County Road	0	0	660	800	2,000	0	0	3,460,000
Annual Revenue Total	1,842,135	100,000	660	800	2,000	0	0	3,560,000

Scope This program improves the safety of the roadway network by making improvements to reduce the rate of collisions on roads in unincorporated King County. Improvements include, but are not limited to, traffic control signs and pavement markings.

Justification The division's top priority in the 2014 Strategic Plan for Road Services is to address safety concerns on the roadway network. This program will improve the safety of the system by making improvements which are intended to reduce the occurrence of collisions at locations or on road segments that will be identified in the 2020 High Collision Safety report.

Status On going

King County Road Services Division 2020 CIP Plan

1129591 CWP School Zone Safety

Countywide

Y

Department Fund Cost Center Award
 Transportation 3855 C85501 117480

Manager LeSmith
 Supervisor Brown
 Project Mg Ashti

SPRS Goal: Safety
 Major Class of Work: Non-Motor Vehicle Proj.
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	100,000	461,000	100	100	100	100	0	861,000	961,000
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		100,000	461,000	100	100	100	100	0	861,000	961,000

Revenue Sources

30800 A Beg Unencumbered Fund Ba	0	0	0	0	0	0	0	0	0
39782 P Contribution -County Road	100,000	461,000	100	100	100	100	0	0	861,000
Annual Revenue Total	100,000	461,000	100	100	100	100	0	0	861,000

Scope This program improves the safety of students, pedestrians and others using roads near schools in unincorporated King County by implementing traffic calming measures as needed, including safety-related signs, marked crosswalks, radar activated speed signs, flashing beacons, or paved sidewalks or pathways.

Justification The division's top priority in the 2014 Strategic Plan for Road Services is to address safety concerns on the roadway network. This multi-decade program uses a variety of approaches to improve the safety of pedestrians and other users in school zones in unincorporated King County. These approaches include, but are not limited to, marked crosswalks, radar activated speed signs, flashing beacons, or paved sidewalks or pathways. Implementing these traffic calming measures will help to protect all users of the roadway network within school zones.

Status On going

King County Road Services Division 2020 CIP Plan

1129592 Emergent Need 3865

Administrative

Y

Department	Fund	Cost Center	Award	SPRS Goal: n/a	Council District: 10
Transportation	3865	C86501	117481	Major Class of Work: n/a	TBM n/a
Manager	Foote			Functional Class: n/a	Lat
Supervisor	Mitchell			Tier: n/a	Long
Project Mg	Mitchell				

		2019	2020	***** in thousands of dollars *****					Total	Phase
Phase		Budget	Plan	2021	2022	2023	2024	2025	2020 - 2025	Total
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	540,178	20,000	50	270	50	0	0	390,000	930,178
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		540,178	20,000	50	270	50	0	0	390,000	930,178

Revenue Sources										
30800 A Beg Unencumbered Fund Ba		460,178	0	0	0	0	0	0	0	0
39782 P Contribution -County Road		80,000	20,000	50	270	50	0	0	390,000	
Annual Revenue Total		540,178	20,000	50	270	50	0	0	390,000	

Scope This project provides funding for existing projects that experience unforeseen circumstances such as delay, match for additional grant funding or required accelerations.

Justification This project allows Roads flexibility with project implementation. It is to cover costs for unforeseen circumstances and developments not anticipated at the time of budget adoption. If Roads did not have the flexibility of this project to expediently transfer appropriation, the ability of the division to proactively manage projects would be limited.

Status On going

King County Road Services Division 2020 CIP Plan

1129593 Grant Contingency 3865

Administrative

Y

Department	Fund	Cost Center	Award	SPRS Goal: n/a	Council District: 10
Transportation	3865	C86501	117482	Major Class of Work: n/a	TBM n/a
				Functional Class: n/a	Lat
				Tier: n/a	Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	2,500,000	2,500,000	0	0	0	0	0	2,500,000	5,000,000
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		2,500,000	2,500,000	0	0	0	0	0	2,500,000	5,000,000

Revenue Sources

33341 A F.A.U.S. Road Grant	2,500,000	2,500,000	0	0	0	0	0	2,500,000
Annual Revenue Total	2,500,000	2,500,000	0	0	0	0	0	2,500,000

Scope This project provides appropriation authority reflecting potential grant contingent sources that may be awarded.

Justification This project allows Roads the flexibility to accept emergent grant funds.

Status On going

King County Road Services Division 2020 CIP Plan

1129594 CWP Guardrail Construction

Countywide

Y

Department Fund Cost Center Award
 Transportation 3865 C86501 117483

Manager LeSmith
 Supervisor McManus
 Project Mg Bleasdale

SPRS Goal: Safety
 Major Class of Work: New construction
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	655,666	400,000	450	0	450	0	0	1,300,000	1,955,666
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		655,666	400,000	450	0	450	0	0	1,300,000	1,955,666

Revenue Sources										
30800 A Beg Unencumbered Fund Ba		255,666	0	0	0	0	0	0	0	0
39782 A Contribution -County Road		0	0	0	0	0	0	0	0	0
39782 P Contribution -County Road		400,000	400,000	450	0	450	0	0	1,300,000	
Annual Revenue Total		655,666	400,000	450	0	450	0	0	1,300,000	

Scope This program designs and constructs new guardrail systems.

Justification The division's top priority in the 2014 Strategic Plan for Road Services is to address safety concerns on the roadway network. This program will design and construct new guardrail systems where warranted to improve the safety of the roadway system. Barriers will be installed in locations in an attempt to reduce the number and severity of "run off the road" collisions.

Status On going

King County Road Services Division 2020 CIP Plan

1129598 Issaquah Hobart @ May Valley Improvement

Intersection of Issaquah Hobart Road SE and SE May Valley Road

Y

Department Fund Cost Center Award
 Transportation 3865 C86501 117487

Manager LeSmith
 Supervisor McManus
 Project Mg Sahagun

SPRS Goal: Mobility
 Major Class of Work: New construction
 Functional Class: Principal Arterial -Urban
 Tier: 1

Council District: 09
 TBM 658B2
 Lat 47.484736
 Long -122.027128

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	755,000	0	0	0	0	0	0	0	755,000
3	Final Design	0	0	0	3,831	0	0	0	3,831,000	3,831,000
4	Implementation	674,000	0	0	0	0	0	0	0	674,000
5	Closeout	10,000	0	0	0	0	0	0	0	10,000
6	Acquisition	600,000	0	0	0	0	0	0	0	600,000
Annual Project Total		2,039,000	0	0	3,831	0	0	0	3,831,000	5,870,000

Revenue Sources										
33436 p	WA ST Dept of Transportati	510,000	0	0	3,831	0	0	0	3,831,000	
39782 P	Contribution -County Road	1,429,000	0	0	0	0	0	0	0	
44179 A	ROAD CE SWM	100,000	0	0	0	0	0	0	0	
44179 P	ROAD CE SWM	0	0	0	0	0	0	0	0	
Annual Revenue Total		2,039,000	0	0	3,831	0	0	0	3,831,000	

Scope To construct intersection improvements which could be either a roundabout or additional travel lanes with a traffic signal at the intersection of Issaquah Hobart Road and May Valley Road.

Justification Issaquah-Hobart Road is a main route connecting Interstate 90 in the City of Issaquah to state Highway 18, and the communities of Hobart and Maple Valley. The road, which is named Front Street in Issaquah, is a heavily-used commuter route, with a northbound peak direction during the morning peak period and the reverse in the afternoon peak period. It has experienced a substantial amount of growth in traffic volumes over the last several years. As a result, congestion on the corridor has worsened, leading to extended travel times and longer peak traveling hours. The City of Issaquah and the Road Services Division partnered on the Issaquah-Hobart Road/ Front Street Corridor Study which evaluated and identified safety, mobility and other related improvements to provide the most efficient and reliable traffic flow possible along the corridor. The study, released in March 2018, recommended several projects to improve traffic flow, including the construction of a roundabout or additional travel lanes with a traffic signal at the intersection with May Valley Road.

Status Programmed to start in 2019

King County Road Services Division 2020 CIP Plan

1129841 Capital Program Oversight 3855

Administrative

y

Department Fund Cost Center Award
 Transportation 3855 C85501 117556

SPRS Goal: Administration
 Major Class of Work: n/a
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM n/a
 Lat
 Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

		2019	2020	***** in thousands of dollars *****					Total	Phase
Phase		Budget	Plan	2021	2022	2023	2024	2025	2020 - 2025	Total
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	31,240	13,000	0	0	0	0	0	13,000	61,594
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		31,240	13,000	0	0	0	0	0	13,000	61,594

Revenue Sources

39782 A Contribution -County Road	31,420	13,000	0	0	0	0	0	13,000
Annual Revenue Total	31,420	13,000	0	0	0	0	0	13,000

Scope Allocation of costs for the Capital Projects Oversight Committee.

Justification To process the allocation of costs to Roads.

Status On going

King County Road Services Division 2020 CIP Plan

1130303 Capital Program Oversight 3865

Administrative

y

Department	Fund	Cost Center	Award	SPRS Goal: Administration	Council District: 10
Transportation	3865	C86501	117927	Major Class of Work: n/a	TBM n/a
				Functional Class: n/a	Lat
				Tier: n/a	Long

Manager Foote
 Supervisor Mitchell
 Project Mg Mitchell

		2019	2020	***** in thousands of dollars *****					Total	Phase
Phase		Budget	Plan	2021	2022	2023	2024	2025	2020 - 2025	Total
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	0	0	0	0	0	0
3	Final Design	0	0	0	0	0	0	0	0	0
4	Implementation	9,023	2,000	0	0	0	0	0	2,000	18,093
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		9,023	2,000	0	0	0	0	0	2,000	18,093

Revenue Sources

39782 A Contribution -County Road	9,023	2,000	0	0	0	0	0	0	2,000
Annual Revenue Total	9,023	2,000	0	0	0	0	0	0	2,000

Scope Allocation of costs for the Capital Projects Oversight Committee.

Justification To process the allocation of costs to Roads.

Status On going

King County Road Services Division 2020 CIP Plan

1131333 Flood Control District

Various locations in the unincorporated area of King County

y

Department Fund Cost Center Award
 Transportation 3855 C85501 118078

Manager Cassidy
 Supervisor Mitchell
 Project Mg Lyou

SPRS Goal: Preservation
 Major Class of Work: Drainage
 Functional Class: n/a
 Tier: n/a

Council District: 10
 TBM na
 Lat
 Long

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	400,000	250	250	150	0	0	1,050,000	1,050,000
3	Final Design	0	0	450	150	450	0	0	1,050,000	1,050,000
4	Implementation	3,392,810	1,800,000	1,050	1,000	1,050	0	0	4,900,000	8,292,810
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		3,392,810	2,200,000	1,750	1,400	1,650	0	0	7,000,000	10,392,810

Revenue Sources										
44179 A ROAD CE SWM		3,392,810	0	0	0	0	0	0	0	
44179 P ROAD CE SWM		0	2,200,000	1,750	1,400	1,650	0	0	7,000,000	
Annual Revenue Total		3,392,810	2,200,000	1,750	1,400	1,650	0	0	7,000,000	

Scope To perform projects to address locations where recurring flood events have impacted or have the potential to impact local communities.

Justification The King County Flood Control District is a special purpose government created to provide funding and policy oversight for flood protection projects and programs in King County. The District and the Road Services Division partnered together on identifying projects to address locations where recurring flood events have impacted or have the potential to impact local communities. Projects include flooded roadway mitigation and bridge scour projects.

Status On going

King County Road Services Division 2020 CIP Plan

1134079 SE Kent-Kangley Road @ Landsburg Road SE Roundabout

Intersection of SE Kent-Kangley Rd and SE Landsburg

Y

Department	Fund	Cost Center	Award	SPRS Goal: Safety	Council District: 09
Transportation	3865	C86501		Major Class of Work: Major Widening	TBM 718G6
Manager	LeSmith			Functional Class: Major Collector - Rural	Lat 47.357831
Supervisor	McManus			Tier: 1	Long -121.974022
Project Mg	Linders				

	Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	100,000	0	0	0	0	0	0	0	100,000
3	Final Design	0	0	299	0	0	0	0	299,000	299,000
4	Implementation	0	0	0	1,680	0	0	0	1,680,000	1,680,000
5	Closeout	0	0	0	10	0	0	0	10,000	10,000
6	Acquisition	0	0	21	0	0	0	0	21,000	21,000
Annual Project Total		100,000	0	320	1,690	0	0	0	2,010,000	2,110,000

Revenue Sources										
	33436 P	WA ST Dept of Transportati	0	0	0	0	0	0	0	0
	39782 P	Contribution -County Road	100,000	0	320	1,690	0	0	0	0
Annual Revenue Total			100,000	0	320	1,690	0	0	0	2,010,000

Scope To design and construct a roundabout at the intersection of SE Kent-Kangley Road and Landsburg Road SE.

Justification This project will improve the safety of road users in the Maple Valley and Black Diamond area. The intersection is a high crash location and also requires an improvement to the layout of the intersection. SE Kent-Kangley Road runs east to west and is a ma

Status Preliminary Design

King County Road Services Division 2020 CIP Plan

1134080 NE Woodinville Duvall @ West Snoqualmie Valley NE

Intersection of NE Woodinville Duvall @ West Snoqualmie Valley NE

Y

Department	Fund	Cost Center	Award		SPRS Goal: Safety	Council District: 03
Transportation	3865	C86501		Major Class of Work: Reconstruction	TBM	508D1
Manager	LeSmith			Functional Class: Collector - Urban	Lat	47.743654
Supervisor	McManus			Tier: 1	Long	-122.008823
Project Mg	Linders					

	Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	150,000	0	400	0	0	0	0	400,000	550,000
3	Final Design	0	0	0	0	588	0	0	588,000	588,000
4	Implementation	0	0	0	0	0	0	0	0	0
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	12	0	0	12,000	12,000
Annual Project Total		150,000	0	400	0	600	0	0	1,000,000	1,150,000

Revenue Sources										
	33436 P WA ST Dept of Transportati									
		0	0	346	0	519	0	0	865,000	
	39782 P Contribution -County Road	150,000	0	54	0	81	0	0	135,000	
Annual Revenue Total		150,000	0	400	0	600	0	0	1,000,000	

Scope To design and construct improvements to the intersection of NE Woodinville Duvall Road at West Snoqualmie Valley Road NE.

Justification To improve the safety of road users in north King County. This intersection is a high crash location, and other improvements are also needed, such as removing and replacing a temporary steel bridge, and significant drainage improvements to Tuck Creek. NE Woodinville Duvall Road is a major arterial traveling east to west between the cities of Duvall and Woodinville. West Snoqualmie Valley Road NE runs in a north-south direction between the Snohomish County line to near Ames Lake, and is also a major arterial.

Between 2013 and 2017, there were 28 collisions at this intersection. The collision rate at this intersection is 1.3 per million entering vehicles, making this a high collision location in need of improvement (a collision rate over 1 per million entering vehicles is considered a high crash location).

In addition, at this intersection both roads are designated as urban minor collectors and ADT ranges between 6,000 and 10,500 vehicles per day. Peak hour backups can be significant at this intersection. The light signals, box culvert and steel bridge currently in place were installed as a temporary measure and warrant permanent replacement.

Status Preliminary Design

King County Road Services Division 2020 CIP Plan

1134093 CWP Traffic Safety

Countywide

Y

Department Fund Cost Center Award
 Transportation 3855 C85501

SPRS Goal: Safety
 Major Class of Work: Safety/Traffic Ops/TSM
 Functional Class: Traffic Improvement
 Tier: n/a

Council District: 10
 TBM NA
 Lat
 Long

Manager LeSmith
 Supervisor LeSmith
 Project Mg LeSmith

Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
			2021	2022	2023	2024	2025		
1 Planning	0	0	0	0	0	0	0	0	0
2 Prelim Design	0	0	0	0	0	0	0	0	0
3 Final Design	0	0	0	0	0	0	0	0	0
4 Implementation	469,000	524,000	681	681	590	550	0	3,026,000	3,495,000
5 Closeout	0	0	0	0	0	0	0	0	0
6 Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total	469,000	524,000	681	681	590	550	0	3,026,000	3,495,000

Revenue Sources

39782 P Contribution -County Road	469,000	524,000	681	681	590	550	0	3,026,000
Annual Revenue Total	469,000	524,000	681	681	590	550	0	3,026,000

Scope This program funds improvements to safety on the roadways in unincorporated King County. This can include installing flashing yellow arrows, milling transverse rumble strips in the roadway, or adding lighting.

Justification The division's top priority in the 2014 Strategic Plan for Road Services is to address safety concerns on the roadway network. This program will fund improvements to the roadway system to benefit all users.

Status On-going

King County Road Services Division 2020 CIP Plan

1135042 Vashon Maintenance Facility Replacement

To be determined

Y

Department	Fund	Cost Center	Award		SPRS Goal: Safety	Council District: 08
Transportation	3865	C86501		Major Class of Work: n/a		TBM
				Functional Class: n/a		Lat
Manager	Kosai-Eng			Tier:		Long
Supervisor	Kosai-Eng					
Project Mg	Kosai-Eng					

Phase		2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	750	0	0	0	0	750,000	750,000
3	Final Design	0	0	750	0	0	0	0	750,000	750,000
4	Implementation	5,000	0	0	0	14,390	0	0	14,390,000	14,395,000
5	Closeout	0	0	0	0	10	0	0	10,000	10,000
6	Acquisition	500,000	0	0	0	0	0	0	0	500,000
Annual Project Total		505,000	0	1,500	0	14,400	0	0	15,900,000	16,405,000

Revenue Sources										
39512 P	Sale of Land	500,000	0	1,500	0	14,400	0	0	15,900,000	
39782 P	Contribution -County Road	5,000	0	0	0	0	0	0	0	
Annual Revenue Total		505,000	0	1,500	0	14,400	0	0	15,900,000	

Scope Acquire land and construct a new maintenance facility on Vashon Island to replace the current failing and undersized facility, including facilities that were constructed in 1935.

Justification Road maintenance facilities are critical to support the division’s mission. The location and functionality of these facilities is critical for emergency response and efficient ongoing operations. The ability to respond to incidents and emergencies 24 hours a day, seven days a week is an important part of operating a road network. Emergency response capability also helps to keep the road system safe and operational during severe weather, and after earthquakes or other events. Examples of emergency response activities include responding to significant collisions that impede travel; sanding, plowing and ice prevention on snowy or icy roads; removing downed trees and clearing other debris caused by landslides, storms or flooding; managing flood-related or other types of emergency road closures; and completing storm-related repairs to roadways and other assets such as drainage systems, shoulders, and adjacent slopes. Additionally, staff at these sites are responsible for initial inspection and closures as needed of bridges, roads and other infrastructure after earthquakes, storms, collisions, or other emergencies.

The Vashon site has failed buildings that don’t address critical crew needs, and the site has inadequate space for safely storing and maneuvering equipment and materials used for emergency responses and regular maintenance activities.

Maintenance activities keep the county’s road-related assets in working condition to maximize the public’s investment and provide for the safety of users. Some common activities include the routine maintenance and repair of pavement, bridge components, ditches, culverts, shoulders, and guardrail, as well as vegetation management, debris removal, maintenance of traffic control devices and road striping. A significant number of environmental and regulatory compliance activities are also associated with road maintenance. Adequate maintenance facilities located in the right places and in good condition are necessary to support the efficient provision of vital services to the traveling public.

Status New in 2019

King County Road Services Division 2020 CIP Plan

1135043 Northeast Maintenance Facility Replacement

To be determined

Y

Department	Fund	Cost Center	Award	SPRS Goal: Safety	Council District: 01 03
Transportation	3865	C86501		Major Class of Work: n/a	TBM
				Functional Class: n/a	Lat
				Tier:	Long

Manager Kosai-Eng
Supervisor Kosai-Eng
Project Mg Kosai-Eng

	Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	0	750	0	0	0	750,000	750,000
3	Final Design	0	0	0	750	0	0	0	750,000	750,000
4	Implementation	0	0	0	0	0	16,390	0	16,390,000	16,390,000
5	Closeout	0	0	0	0	0	10	0	10,000	10,000
6	Acquisition	0	0	5,000	0	0	0	0	5,000,000	5,000,000
Annual Project Total		0	0	5,000	1,500	0	16,400	0	22,900,000	22,900,000

Revenue Sources

39512 P Sale of Land	0	0	5,000	1,500	0	16,400	0	22,900,000
Annual Revenue Total	0	0	5,000	1,500	0	16,400	0	22,900,000

Scope Acquire land and construct a new, centrally located maintenance facility to serve northeastern King County, replacing the existing Cadman facility that is mislocated to meet current road maintenance needs.

Justification The Cadman facility is inside the City of Redmond in an urbanized area with significant development pressures on the horizon that are not compatible with long-term operation of a roads maintenance facility which needs to respond to incidents and emergencies 24 hours a day, seven days a week. Due to past annexations and incorporations, it is also at the far western edge of the remaining northeastern unincorporated area and not centrally located to meet the needs for timely and efficient service to a large, spread out rural service area. Long travel times from the current location to many portions of the service area can impede quick response to emergency events such as storms, flooding, earthquakes, and collisions. It also results in inefficiencies and higher costs for planned maintenance activities. This project would construct a new facility at a more centrally-located site in the rural area and include adequate space for crews, vehicles and multiple pieces of equipment, and materials storage and stockpiling, as well as functions such as waste disposal, truck washing and other similar activities.

Status New in 2019

King County Road Services Division 2020 CIP Plan

1135044 Preston Maintenance Facility Buildout

29111 SE Preston Way, Preston

Y

Department	Fund	Cost Center	Award	SPRS Goal: Safety	Council District: 03
Transportation	3865	C86501		Major Class of Work: n/a	TBM
				Functional Class: n/a	Lat
				Tier:	Long

Manager Kosai-Eng
Supervisor Kosai-Eng
Project Mg Kosai-Eng

	Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	0	0	600	0	0	0	0	600,000	600,000
3	Final Design	0	0	600	0	0	0	0	600,000	600,000
4	Implementation	0	0	0	0	10,390	0	0	10,390,000	10,390,000
5	Closeout	0	0	0	0	10	0	0	10,000	10,000
6	Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total		0	0	1,200	0	10,400	0	0	11,600,000	11,600,000

Revenue Sources

39512 P Sale of Land	0	0	1,200	0	10,400	0	0	11,600,000
Annual Revenue Total	0	0	1,200	0	10,400	0	0	11,600,000

Scope Complete buildout of the Preston maintenance facility. Development and occupation of the facility has been impacted and delayed by Washington state litigation on water rights.

Justification Construction costs to build out the facility have also been affected by an exceptionally active and competitive regional construction market for buildings/facilities, higher labor rates, and escalating material costs, and additional funding is required to complete the project. This phase of the project will include water system upgrades to allow full use and occupation of the facility, and completion of site development and buildings and other structures that support staff, equipment, materials and operations. Once the project is complete, additional functions can be moved from the existing Fall City facility to Preston. The Fall City location is comprised of failing facilities that are undersized, including an old barn without any heat or cooling that serves as a locker room. In addition, the site is impacted by flooding.

Status Programmed to start in 2021

King County Road Services Division 2020 CIP Plan

1135045 CWP Culvert Replacement and Fish Passage

Countywide

Y

Department	Fund	Cost Center	Award		SPRS Goal: Preservation	Council District: 10
Transportation	3855	C85501		Major Class of Work: Drainage	TBM	
				Functional Class: n/a	Lat	
Manager	Cassidy			Tier:	Long	
Supervisor	Cassidy					
Project Mg	Cassidy					

Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
			2021	2022	2023	2024	2025		
1 Planning	0	0	0	0	0	0	0	0	0
2 Prelim Design	0	0	0	0	0	0	0	0	0
3 Final Design	0	0	0	0	0	0	0	0	0
4 Implementation	2,261,000	2,261,000	2,715	2,715	3,140	3,140	2,600	16,571,000	18,832,000
5 Closeout	0	0	0	0	0	0	0	0	0
6 Acquisition	0	0	0	0	0	0	0	0	0
Annual Project Total	2,261,000	2,261,000	2,715	2,715	3,140	3,140	2,600	16,571,000	18,832,000

Revenue Sources										
39721 P	Contribution -Surf Water M									
		1,761,000	2,261,000	2,715	2,715	2,600	2,600	2,600	15,491,000	
39789 P	Contribution -Real Estate Ta	500,000	0	0	0	540	540	0	1,080,000	
Annual Revenue Total		2,261,000	2,261,000	2,715	2,715	3,140	3,140	2,600	16,571,000	

Scope Increase the safety and condition of the road system and enhance fish passage by replacing culverts that are in poor or failing condition, or undersized, with new culverts of fish passable design.

Justification This program supports the Road Services Division’s drainage asset management need to replace culverts at end of lifecycle and King County Executive Dow Constantine’s Clean Water and Healthy Habitat agenda.

Culverts that are in poor condition or undersized pose a risk of failure that can result in collapse of the roadway, landslides, flooding, damage to public and private property, and associated risks to life safety. When culverts reach the end of their life cycle they need to be replaced with new infrastructure designed to current standards in order to mitigate risk and provide appropriate drainage functionality.

Culverts that are not designed to be fish passable block access to important upstream habitat necessary for the sustainability of fish species. Roads' proposed Culvert Replacement and Fish Passage project is one component of Executive Constantine’s broader county fish passage program (led by the Water and Land Resources Division), which complements the county’s collaboration with tribal governments and long-standing support for watershed-based salmon recovery efforts. The county is initiating work with federal, state, and tribal officials to develop a fish passage program for watersheds within its jurisdiction. Originally conceived in late 2017, the program took on greater meaning following a June 2018 U.S. Supreme Court ruling that required the state of Washington to fix state-owned fish passage barriers within the Puget Sound area in order to avoid violating tribal treaty rights.

Status On-going

King County Road Services Division 2020 CIP Plan

1135073 CWP 2019-20 Bridge Safety

Countywide

Y

Department	Fund	Cost Center	Award		SPRS Goal: Safety	Council District: 10
Transportation	3855	C85501		Major Class of Work: Bridge Rehabilitation	Bridge Rehabilitation	TBM
				Functional Class: n/a		Lat
				Tier:		Long

Manager Jarrmillo
 Supervisor Truong
 Project Mg Truong

	Phase	2019 Budget	2020 Plan	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
				2021	2022	2023	2024	2025		
1	Planning	0	0	0	0	0	0	0	0	0
2	Prelim Design	2,534,700	0	0	0	0	0	0	0	2,534,700
3	Final Design	3,193,300	0	0	107	0	0	0	107,000	3,300,300
4	Implementation	2,864,000	0	4,897	18,840	10,585	0	0	34,322,000	37,186,000
5	Closeout	38,000	0	6	6	1	0	0	13,000	51,000
6	Acquisition	2,812,000	0	0	446	0	0	0	446,000	3,258,000
Annual Project Total		11,442,000	0	4,903	19,399	10,586	0	0	34,888,000	46,330,000

Revenue Sources

33343 P	Federal Bridge Grant	1,509,742	0	2,525	15,404	0	0	0		17,929,000
33437 P	R.A.P. Road Grant.	1,700,000	0	0	0	0	0	0		0
39113 P	General Obligation Bonds	0	0	2,378	3,995	10,586	0	0		16,959,000
39782 P	Contribution -County Road	6,732,258	0	0	0	0	0	0		0
39789 P	Contribution -Real Estate Ta	1,500,000	0	0	0	0	0	0		0
Annual Revenue Total		11,442,000	0	4,903	19,399	10,586	0	0		34,888,000

Scope 2019-2020 Bridge Safety - To replace bridges affected by new federal requirements, or which have been prioritized for replacement to correct structural or functional deficiencies. These requirements have resulted in restrictions on heavy vehicles, which pose public safety concerns if not promptly and systematically addressed. Seven bridges will be replaced in the 2019-2020 Bridge Safety program: S 277th Street Bridge #3126, Ames Lake Trestle Bridge #1320A, Baring Bridge #509A, Coal Creek Bridge #3035A, Upper Tokul Bridge #271B, Boise X Connection #3055A and Fifteen Mile Creek Bridge #493C.

Justification Following a bridge collapse, and, more importantly, a recent decision by FHWA to allow heavier trucks on roadways, the Federal Highway Administration (FHWA) developed new calculations for determining the weight that a bridge can safely carry. King County owns and maintains 178 vehicular bridges and, as mandated, is evaluating each of them using current bridge condition information and the new federal standards to calculate bridge weight carrying capacity between now and the federal deadline of 2022. So far, Road Services has evaluated 57 bridges and determined new vehicle weight restrictions are necessary for 21 of those bridges. One immediate impact from load limiting these bridges is that trucks will detour onto roads less appropriate for heavy truck traffic, for example, through residential areas or onto narrow, winding, or steep roads. Another concern is that emergency responders may be delayed if certain types of fire apparatus are unable to cross a bridge on the most direct route. There is also the risk that, despite the county's best efforts to enforce the weight restrictions, some overweight trucks will not comply with posted weight restrictions and cross bridges, resulting in structural damage, or even a potential bridge collapse. Structural damage from violations of the weight conditions could lead to unsafe conditions for travelers and/or the need to close bridges indefinitely to all traffic, resulting in significant consequences for communities and the transportation system. To reduce risks to public safety and regional mobility, it is imperative that the county initiate a bridge replacement program. This initial appropriation request will fund preliminary design and acquisition of right-of-way property.

Status New in 2019