



# KING COUNTY

1200 King County Courthouse  
516 Third Avenue  
Seattle, WA 98104

## Signature Report

### Ordinance 19020

**Proposed No.** 2019-0401.1

**Sponsors** Balducci

1 AN ORDINANCE to adopt the King County department of local  
2 services, road services division, annual six-year (2020 - 2025)  
3 capital improvement program in accordance with K.C.C.  
4 4A.100.030, to serve as the county's adopted 2020 annual road  
5 plan in accordance with RCW 36.81.130 and to serve as the  
6 county's adopted comprehensive transportation program in  
7 accordance with RCW 36.81.121.

#### 8 STATEMENT OF FACTS:

- 9 1. K.C.C. 4A.100.010 requires King County adopt a biennial budget for  
10 such county funds as the council may determine and conduct a  
11 midbiennium review and modification for the second year of the  
12 biennium.
- 13 2. K.C.C. 4A.100.0130 requires each county agency to include its capital  
14 projects in a six-year capital improvement program ("CIP") for the fiscal  
15 period and the next fiscal periods.
- 16 3. In conjunction with the 2019-2020 biennial budget process, the road  
17 services division of the department of local services prepared and the  
18 council adopted the road services division's six-year CIP for 2019-2024.
- 19 4. RCW 36.81.121 requires that before the adoption of a roads division

20 budget, the council must adopt a comprehensive transportation program  
21 for the next ensuing six calendar years. The purpose of the statute is to  
22 ensure that each county shall perpetually have available advanced plans  
23 looking to the future for not less than six years as a guide in carrying out a  
24 coordinated transportation plan.

25 5. RCW 36.81.130 requires the council to adopt an annual road plan. Any  
26 appropriations contained in a county road budget are void if the county's  
27 annual road plan is not adopted before such appropriations.

28 6. The proposed roads six-year CIP for 2020-2025 incorporates the  
29 executive's proposed amendments to the roads division capital budget  
30 included in the second omnibus supplemental.

31 7. Attachment A to this ordinance is the roads division six-year CIP for  
32 2020-2025.

33 BE IT ORDAINED BY THE COUNCIL OF KING COUNTY:

34 SECTION 1. The King County Road Services Division 2020-2025 Capital  
35 Improvement Program, which is Attachment A to this ordinance, shall serve as the  
36 county's comprehensive transportation program for the period of 2020 through 2025.

37 SECTION 2. The planned expenditures for those projects in fiscal year 2020 as  
38 reflected in the King County Road Services Division 2020-2025 Capital Improvement  
39 Program, which is Attachment A to this ordinance, shall serve as the county's final road  
40 plan for fiscal year 2020.

41            SECTION 3. The King County Road Services Division 2020-2025 Capital  
42 Improvement Program, which is Attachment A to this ordinance, is hereby approved.  
43

Ordinance 19020 was introduced on 9/25/2019 and passed by the Metropolitan King County Council on 11/20/2019, by the following vote:

Yes: 9 - Mr. von Reichbauer, Mr. Gossett, Ms. Lambert, Mr. Dunn, Mr. McDermott, Mr. Dembowski, Mr. Upthegrove, Ms. Kohl-Welles and Ms. Balducci



KING COUNTY COUNCIL  
KING COUNTY, WASHINGTON

Rod Dembowski, Chair

ATTEST:

Melani Pedroza, Clerk of the Council

APPROVED this 4 day of DECEMBER, 2019.

Dow Constantine, County Executive

RECEIVED  
2019 DEC -4 PM 12:08  
CLERK  
KING COUNTY COUNCIL

**Attachments:** A. King County Road Services Division 2020-2025 Capital Improvement Program

Ordinance 19020

**Attachment A**

King County Road Services Division  
2020-2025 Capital Improvement Program

**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
		<b>59,011,543</b>	<b>26,502,000</b>	<b>25,901</b>	<b>32,345</b>	<b>23,961</b>	<b>7,920</b>	<b>3,350</b>	<b>119,979,000</b>

**2020 Planned - Revenue totals for Fund 3855**

	2019 Budget	2020 Plan	***** in thousands of dollars *****					Totals 2020-2025	Source Total
			2021	2022	2023	2024	2025		
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
	<b>59,011,724</b>	<b>26,502,000</b>	<b>25,901</b>	<b>32,345</b>	<b>23,961</b>	<b>7,920</b>	<b>3,350</b>	<b>119,979,000</b>	<b>179,008,078</b>

**2020 Planned - Revenue totals for Fund 3865**

	2019 Budget	2020 Plan	***** in thousands of dollars *****					Totals 2020-2025	Source Total
			2021	2022	2023	2024	2025		
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
	<b>6,498,867</b>	<b>2,922,000</b>	<b>8,920</b>	<b>7,291</b>	<b>25,900</b>	<b>16,400</b>	<b>0</b>	<b>61,433,000</b>	<b>67,938,937</b>

**2020 Planned - Revenue totals for Funds 3855 and 3865**

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

# 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			***** 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	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
<b>Annual Project Total</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	<b>10,000,000</b>

**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	5,000,000	
<b>Annual Revenue Total</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>	

**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

## 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		2019	2020	***** in thousands of dollars *****					Total	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	878,000	0	0	0	0	0	878,000	878,000
4	Implementation	17,319,594	5,420,000	8,217	1,000	1,000	0	0	15,637,000	32,956,594
5	Closeout	0	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0	0
<b>Annual Project Total</b>		<b>17,319,594</b>	<b>6,298,000</b>	<b>8,217</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>16,515,000</b>	<b>33,834,594</b>

**Revenue Sources**

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

**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

## 1129587 CWP Guardrail Preservation

Countywide

Y

Department Fund Cost Center Award  
 Transportation 3855 C85501 117476

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

**Manager** LeSmith  
 Supervisor McManus  
 Project Mg Mott

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	
2 Prelim Design	0	0	0	0	0	0	0	0	
3 Final Design	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	
6 Acquisition	0	0	0	0	0	0	0	0	
<b>Annual Project Total</b>	<b>4,738,755</b>	<b>3,000,000</b>	<b>1,000</b>	<b>550</b>	<b>405</b>	<b>525</b>	<b>0</b>	<b>5,480,000</b>	<b>10,218,755</b>

**Revenue Sources**

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

**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

**1129590 CWP High Collision Safety**

**Countywide**

Y

Department Fund Cost Center Award  
 Transportation 3855 C85501 117479

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

**Manager LeSmith**  
 Supervisor McManus  
 Project Mg Sahagun

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	
2 Prelim Design	0	0	0	0	0	0	0	0	
3 Final Design	0	0	0	0	0	0	0	0	
4 Implementation	1,842,135	100,000	660	800	2,000	0	0	5,402,135	
5 Closeout	0	0	0	0	0	0	0	0	
6 Acquisition	0	0	0	0	0	0	0	0	
<b>Annual Project Total</b>	<b>1,842,135</b>	<b>100,000</b>	<b>660</b>	<b>800</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>3,560,000</b>	

**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
<b>Annual Revenue Total</b>	<b>1,842,135</b>	<b>100,000</b>	<b>660</b>	<b>800</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>3,560,000</b>

**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

**1129592 Emergent Need 3865**

**Administrative**

Y

Department Fund Cost Center Award  
 Transportation 3865 C86501 117481

**Manager Foote**  
 Supervisor Mitchell  
 Project Mg Mitchell

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

Phase		2019	2020	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
		Budget	Plan	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	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
<b>Annual Project Total</b>		<b>540,178</b>	<b>20,000</b>	<b>50</b>	<b>270</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>390,000</b>	<b>930,178</b>

**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	0	390,000
<b>Annual Revenue Total</b>	<b>540,178</b>	<b>20,000</b>	<b>50</b>	<b>270</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,000</b>

**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

**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		***** in thousands of dollars *****						Total 2020 - 2025	Phase Total
		2019 Budget	2020 Plan	2021	2022	2023	2024		
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	0	0	0	0	0	0	0
4	Implementation	655,666	400,000	450	0	450	0	0	1,955,666
5	Closeout	0	0	0	0	0	0	0	0
6	Acquisition	0	0	0	0	0	0	0	0
<b>Annual Project Total</b>		<b>655,666</b>	<b>400,000</b>	<b>450</b>	<b>0</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>1,300,000</b>

**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	0	1,300,000
<b>Annual Revenue Total</b>	<b>655,666</b>	<b>400,000</b>	<b>450</b>	<b>0</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,300,000</b>

**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**

**1129841 Capital Program Oversight 3855**

**Administrative**

y

Department Fund Cost Center Award  
 Transportation 3855 C85501 117556  
  
**Manager Foote**  
 Supervisor Mitchell  
 Project Mg Mitchell

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

Council District: 10  
 TBM n/a  
 Lat  
 Long

Phase		2019	2020	***** in thousands of dollars *****					Total	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
<b>Annual Project Total</b>		<b>31,240</b>	<b>13,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,000</b>	<b>61,594</b>

<b>Revenue Sources</b>										
39782 A Contribution -County Road		31,420	13,000	0	0	0	0	0	13,000	
<b>Annual Revenue Total</b>		<b>31,420</b>	<b>13,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,000</b>	

**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
<b>Annual Project Total</b>	<b>3,392,810</b>	<b>2,200,000</b>	<b>1,750</b>	<b>1,400</b>	<b>1,650</b>	<b>0</b>	<b>0</b>	<b>7,000,000</b>	<b>10,392,810</b>

**Revenue Sources**

44179 A ROAD CE SWM	3,392,810	0	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	
<b>Annual Revenue Total</b>	<b>3,392,810</b>	<b>2,200,000</b>	<b>1,750</b>	<b>1,400</b>	<b>1,650</b>	<b>0</b>	<b>0</b>	<b>7,000,000</b>	

**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

**1134080 NE Woodinville Duvall @ West Snoqualmie Valley NE**

**Intersection of NE Woodinville Duvall @ West Snoqualmie Valley NE**

Y

Department Fund Cost Center Award  
 Transportation 3865 C86501  
  
**Manager LeSmith**  
 Supervisor McManus  
 Project Mg Linders

SPRS Goal: Safety  
 Major Class of Work: Reconstruction  
 Functional Class: Collector - Urban  
 Tier: 1

Council District: 03  
 TBM 508D1  
 Lat 47.743654  
 Long -122.008823

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
<b>Annual Project Total</b>	<b>150,000</b>	<b>0</b>	<b>400</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>1,150,000</b>

**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
<b>Annual Revenue Total</b>	<b>150,000</b>	<b>0</b>	<b>400</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**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

**1135042 Vashon Maintenance Facility Replacement**

**To be determined**

Y

Department Fund Cost Center Award  
 Transportation 3865 C86501  
  
 Manager **Kosai-Eng**  
 Supervisor Kosai-Eng  
 Project Mgr Kosai-Eng

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

Council District: 08  
 TBM  
 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	
2 Prelim Design	0	0	750	0	0	0	0	750,000	
3 Final Design	0	0	750	0	0	0	0	750,000	
4 Implementation	5,000	0	0	0	14,390	0	0	14,390,000	
5 Closeout	0	0	0	0	10	0	0	10,000	
6 Acquisition	500,000	0	0	0	0	0	0	500,000	
<b>Annual Project Total</b>	<b>505,000</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>14,400</b>	<b>0</b>	<b>0</b>	<b>15,900,000</b>	

**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
<b>Annual Revenue Total</b>	<b>505,000</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>14,400</b>	<b>0</b>	<b>0</b>	<b>15,900,000</b>

**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

**1135044 Preston Maintenance Facility Buildout**

**29111 SE Preston Way, Preston**

Y

Department Fund Cost Center Award  
 Transportation 3865 C86501  
  
**Manager Kosai-Eng**  
 Supervisor Kosai-Eng  
 Project Mg Kosai-Eng

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

Council District: 03  
 TBM  
 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	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
<b>Annual Project Total</b>	<b>0</b>	<b>0</b>	<b>1,200</b>	<b>0</b>	<b>10,400</b>	<b>0</b>	<b>0</b>	<b>11,600,000</b>	<b>11,600,000</b>

**Revenue Sources**

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

**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

**1135073 CWP 2019-20 Bridge Safety**

Countywide

Y

Department Fund Cost Center Award  
 Transportation 3855 C85501  
  
**Manager Jarrmillo**  
 Supervisor Truong  
 Project Mg Truong

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

Council District: 10  
 TBM  
 Lat  
 Long

Phase		2019	2020	***** in thousands of dollars *****					Total 2020 - 2025	Phase Total
		Budget	Plan	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
<b>Annual Project Total</b>		<b>11,442,000</b>	<b>0</b>	<b>4,903</b>	<b>19,399</b>	<b>10,586</b>	<b>0</b>	<b>0</b>	<b>34,888,000</b>	<b>46,330,000</b>

**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
<b>Annual Revenue Total</b>	<b>11,442,000</b>	<b>0</b>	<b>4,903</b>	<b>19,399</b>	<b>10,586</b>	<b>0</b>	<b>0</b>	<b>34,888,000</b>

**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