

YAKIMA COUNTY PUBLIC SERVICES DEPARTMENT



ANNUAL ROAD CONSTRUCTION PROGRAM 2018

COUNTY COMMISSIONERS

**Ron Anderson
Michael D. Leita
J. Rand Elliott**

DIRECTOR

**Vern M. Redifer, P.E.
COUNTY ENGINEER
Gary N. Ekstedt, P.E.**

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**YAKIMA COUNTY
ANNUAL ROAD CONSTRUCTION PROGRAM**

2018

INDEX

ADOPTION RESOLUTION No. 393 - 2017	PAGE 1
ER&R 2018 EQUIPMENT PURCHASES	PAGE 2
2018 ROAD FUND BUDGET	PAGE 3
ROAD, BRIDGE AND CULVERT INVENTORY	PAGE 4 - 5
LEGEND	PAGE 6
LISTING OF ROAD AND BRIDGE PROJECTS	PAGES 7 - 8
FUNDING BREAKDOWN	PAGE 9

BOARD OF YAKIMA COUNTY COMMISSIONERS

IN THE MATTER OF ADOPTING)
THE YAKIMA COUNTY 2018 ROAD) RESOLUTION 393-2017
CONSTRUCTION PROGRAM, AS)
REQUIRED BY W.A.C. 136-16,)
AND THE 2018 ER&R EQUIPMENT)
REPLACEMENT LIST)

WHEREAS, the County Engineer has prepared and did submit to the Board of County Commissioners of Yakima County, Washington, the Yakima County 2018 Road Construction Program, and the attached ER&R 2018 Equipment Replacement List; and,

WHEREAS, the Board has reviewed the Yakima County 2018 Road Construction Program and the ER&R 2018 Equipment Replacement List with the County Engineer; now, therefore,

BE IT HEREBY RESOLVED by the Board of County Commissioners of Yakima County, Washington, that the attached Yakima County 2018 Road Construction Program and ER&R 2018 Equipment Replacement List, as prepared by the County Engineer, are hereby adopted.

DONE this 5th day of December 2017





J. Rand Elliott, Chairman

EXCUSED
Ron Anderson, Commissioner



Michael D. Leita, Commissioner
*Constituting the Board of County Commissioners
for Yakima County, Washington*



Attest: Tiera L. Girard
Clerk of the Board

2018 ER&R Projected Equipment Purchases

EQUIPMENT	DEPARTMENT	EST. PURCH.PRICE
MOTOR GRADER	COUNTY ROAD	110,000.00
MOTOR GRADER	COUNTY ROAD	110,000.00
MOTOR GRADER	COUNTY ROAD	110,000.00
SWEEPER	COUNTY ROAD	217,000.00
BACKHOE	COUNTY ROAD	137,000.00
STRIPER	COUNTY ROAD	432,000.00
10 YD DUMP TRUCK	COUNTY ROAD	250,000.00
PASSENGER VAN	DOC	50,000.00
PASSENGER VAN	DOC	50,000.00
SERVICE TRUCK	ER&R	120,000.00
SMALL SUV	FLEETSHARE	37,000.00
SMALL SUV	FLEETSHARE	42,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
PATROL SUV AWD	SHERIFF	50,000.00
MOTORCYCLE	SHERIFF	30,000.00
MOTORCYCLE	SHERIFF	30,000.00

EQUIPMENT	DEPARTMENT	EST. PURCH.PRICE
FRONT LOADER	SOLID WASTE	325,000.00
TRAILER	SOLID WASTE	120,000.00
TRAILER	SOLID WASTE	120,000.00
TRUCK-TRACTOR	SOLID WASTE	145,000.00
30 TON OFF ROAD HAUL TRK	SOLID WASTE	475,000.00
TRUCK-TRACTOR	SOLID WASTE	125,000.00
TRUCK-TRACTOR	SOLID WASTE	125,000.00
Total		3,760,000.00

**YAKIMA COUNTY
2018 ROAD FUND BUDGET**

ADOPTED: 12/5/2017

REVENUES:

SOURCE	2018 BUDGET
ESTIMATED CASH CARRY OVER - IN (Total Cash)	\$4,260,000
COUNTY ROAD LEVY	\$12,291,007
FEDERAL FOREST	\$235,000
STATE GAS TAX	\$6,098,614
OTHER LOCAL DIRECT REVENUE	\$117,000
SUBTOTAL, "LOCAL REVENUE"	\$23,001,621
Bridge Replacement/Bridge Rehabilitation Program	\$1,257,000
Federal Emergency Relief	\$185,200
SUBTOTAL, "FEDERAL FUNDS"	\$1,442,200
County Road Administration Board County Arterial Preservation Program	\$1,088,692
County Road Administration Board Rural Arterial Program	\$3,779,000
Transportation Improvement Board Urban Arterial Program	\$146,300
Connecting Washington Account	\$0
SUBTOTAL, "STATE FUNDS"	\$5,013,992
Other County Funds (SIED, GO Bond)	\$1,499,000
Joint City Projects (Yakima Mill Site)	\$77,600
SUBTOTAL, "OTHER REVENUE"	\$1,576,600
TOTAL REVENUE	\$31,034,413

EXPENDITURES:

	2018 BUDGET
CONSTRUCTION EXPENSES (County Road Funds)	\$5,053,300
CONSTRUCTION EXPENSES (Other Funds)	\$8,694,100
SUBTOTAL, "CONSTRUCTION EXPENSES"	\$13,747,400
MAINTENANCE EXPENDITURE BUDGET	\$10,444,800
ADMINISTRATION EXPENDITURE BUDGET	\$2,732,260
OPERATIONS EXPENSE BUDGET, Incl. RISK MANAGEMENT	\$1,443,940
DEBT SERVICE BUDGET	\$1,070,051
TRAFFIC POLICING BUDGET	\$512,000
TOTAL EXPENDITURE BUDGET	\$29,950,451
CARRYOUT (Total Cash)	\$1,083,962

TOTALS FOR 2017

COUNTY ROAD TYPE	YAKIMA COUNTY MILEAGE TOTALS as of January 5, 2017								
	COUNTY WIDE (NON-IND)			INDIAN RESERVATION			GRAND TOTALS		
	ARTERIALS	ACCESS	TOTALS	ARTERIALS	ACCESS	TOTALS	ARTERIALS	ACCESS	TOTALS
UNIMPROVED			0.00			0.00	0.00	0.00	0.00
GRADED & DRAINED			0.00			0.00	0.00	0.00	0.00
GRAVEL	14.17	319.69	333.86	7.67	197.47	205.14	21.84	517.16	539.00
BST	453.63	250.15	703.78	191.71	88.72	280.43	645.34	338.87	984.21
ASPHALT/ HMA	57.42	34.33	91.75	20.71	4.65	25.36	78.13	38.98	117.11
CONCRETE			0.00	2.93		2.93	2.93	0.00	2.93
TOTALS	525.22	604.17	1129.39	223.02	290.84	513.86	748.24	895.01	1643.25

LM-O Mileage Before Approval from State

COUNTY ROAD TYPE	FUNCTIONAL CLASSIFICATION as of January 5, 2017											
	PRINCIPAL ARTERIAL (14)	MINOR ARTERIAL (16)	MAJOR COLLECTOR (17)	MINOR COLLECTOR (18)	URBAN ACCESS (19)	URBAN TOTALS	MINOR ARTERIAL (06)	MAJOR COLLECTOR (07)	MINOR COLLECTOR (08)	RURAL ACCESS (09)	RURAL TOTALS	GRAND TOTALS
	UNIMPROVED						0.00					0.00
GRADED & DRAINED						0.00					0.00	0.00
GRAVEL				0.50	38.47	38.97			21.34	478.69	500.03	539.00
BST		29.00	36.48	8.40	55.60	129.48	3.15	255.71	312.60	283.27	854.73	984.21
ASPHALT/ HMA	9.05	6.88	9.39	17.92	11.18	54.42	1.20	46.48	3.22	11.79	62.69	117.11
CONCRETE						0.00		2.93			2.93	2.93
TOTALS	9.05	35.88	45.87	26.82	105.25	222.87	4.35	305.12	337.16	773.75	1420.38	1643.25

YAKIMA COUNTY BRIDGES												as of January 5, 2017	
BRIDGE TYPE	PA	MA	MAC	MIC	ACCESS	URBAN TOTAL	MA	MAC	MIC	ACCESS	RURAL TOTAL	GRAND TOTAL	
	(14)	(16)	(17)	(18)	(19)		(06)	(07)	(08)	(09)			
CONCRETE	1	3	7		5	16	2	60	76	104	242	258	
STEEL			1		3	4		3	6	7	16	20	
WOOD					2	2		5	3	19	27	29	
ALUMINUM						0		1			1	1	
TOTAL	1	3	8	0	10	22	2	69	85	130	286	308	

YAKIMA COUNTY SHORT SPAN BRIDGES												as of January 5, 2017	
SHORT SPAN/ BRIDGE TYPE	PA	MA	MAC	MIC	ACCESS	URBAN TOTAL	MA	MAC	MIC	ACCESS	RURAL TOTAL	GRAND TOTAL	
	(14)	(16)	(17)	(18)	(19)		(06)	(07)	(08)	(09)			
CONCRETE	1		2			3	4	34	54	85	177	180	
STEEL					2	2	2	5	7	26	40	42	
WOOD						0	2	3	3	33	41	41	
ALUMINUM						0			1	3	4	4	
TOTAL	1	0	2	0	2	5	8	42	65	147	262	267	

Annual Road Construction Program Legend

Line (A): Total amount of Construction work to be performed. The sum of Column (13) and (14).

Line (B): The maximum dollar amount of construction work that can be performed by County Forces computed according to RCW 36.77.05

Line (B): The total amount construction proposed to be accomplished using County Forces.

Column (1): The Annual Program number. A consecutive number beginning with 1. No priority is assumed.

Column (2): The project priority number listed in the current adopted 6-Year Transportation Improvement Program.

Column (3): The project name and County Road Project number (if assigned).

Column (4): The Road Segment information for each segment of road involved in the project.
Road # : A unique road identification number from the County Road Log.
BMP, EMP: Beginning and ending mile points for the segment.
FFC: Federal Functional Classification:

<u>Rural</u>	<u>Urban</u>
06 – Minor Arterial	14 – Principal Arterial (Other)
07 – Major Collector	16 – Minor Arterial
08 – Minor Collector	17 – Collector Arterial
09 – Local Access	19 – Local Access

Funding Program Source Codes; Column (11):

BLM – Federal Bureau of Land Management funds.
BR – Federal Bridge Replacement / Rehabilitation funds.
CAPP – County Arterial Preservation Program funds.
City – City participation in joint City / County Projects.
CMAQ – Federal Congestion Mitigation and Air Quality program funds.
County – Other non-County Road funds.
CW – Connecting Washington Account.
ER – Federal Emergency Relief funds.
HSIP – Federal Highway Safety Improvement Program funds.
HSIP(SR) – Federal Highway Safety Improvement Program Safe Routes to School funds.
NHS – Federal National Highway System funds.
PWTF – Public Works Trust Fund loan funds.
RAP – County Rural Arterial Program funds.

Column (5): Total length of road(s) to be improved in miles.

Column (6): The type of work to be performed:

NA – New Alignment	RC - Reconstruction
3R – Rehabilitate, Resurface, Restore	
2R – Resurface and Restore	FA – Federal Aid Bridge
Br – Short-span or other Bridge	DR – Drainage Structure
HMA – Asphalt Overlay	IS – Intersection
Safety – Safety Improvements	SW – Sidewalks, ADA
P&T – Paths, Trails, Bikeways	FP – Fish Passage
Illm – Illumination	Other – Other work

Column (7): The level of Environmental impacts anticipated (SEPA / NEPA):

I – Insignificant; No EIS
S – Significant; EIS Likely
E – Categorically Exempt

Column (8): The amount of local County Road Funds anticipated to be spent on the project.

Column (9): The amount of other Funds anticipated to be spent on the project (see below for a partial listing).

Columns (11) – (15): A listing of anticipated project expenditures by the project phase.
PE & CE - Preliminary and Construction Engineering.
R/W - Right of Way Acquisition activities.
Construction - Contract Construction or County Forces Construction activities.

SRF – Salmon Recovery Funding Board funds.
SRTS – State Safe Routes to School Program funds.
STP (BR) – Federal Surface Transportation Program, Bridge funds.
STP (E) – Federal Surface Transportation Program, Enhancement funds.
STP (R) – Federal Surface Transportation Program, Rural funds.
STP (UL) – Federal Surface Transportation Program, Large Urban funds.
STP (US) – Federal Surface Transportation Program, Small Urban funds.
TAP (R) – Federal Transportation Alternatives Program, Rural funds.
TAP (SR) – Federal Transportation Alternatives Program, Safe Routes to School funds.
TAP (UL) – Federal Transportation Alternatives Program, Large Urban funds.
TAP (US) – Federal Transportation Alternatives Program, Small Urban funds.
UAP – State Transportation Improvement Board Urban Arterial Program.
UCP – State Transportation Improvement Board Urban Corridor Program.

Yakima County
2018
Preliminary Annual Construction Program
WAC 136-16

(A) TOTAL CONSTRUCTION DONE (13) + (14): \$9,848,200
 (B) COMPUTED COUNTY FORCES LIMIT: \$1,822,730
 (C) TOTAL COUNTY FORCES CONSTRUCTION (14): \$527,000

Date of Environmental Assessment: 10/4/2017
 Date of Final Adoption: 12/5/2017
 Ordinance/Resolution Number: 393-2017

(1)	(2)	(3)	(4)				(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)												
Annual Program Item No.	6 Year Program Item No.	Project Name	Road Segment Information				Project Length (mi.)	Type of Work Code	Environmental Assessment	Sources of Funds		Estimated Expenditures																	
			Road #	Road Name	BMP	EMP				FFC	County Road Funds	Other Funds	PE & CE	Right of Way	Contract Construction	County Forces Construction	Grand Total												
1	1	East - West Corridor; C3446	45200	Road Name: East - West Corridor	0	1.05	16		NA	I	\$1,020,600	\$791,000	County	\$1,889,200	\$0	\$0	\$0	\$1,889,200											
				From: I-82 Turnback Limits				1.05											P&T	\$77,600	City								
				To: End of N. Keys Road															Br	\$0	CW								
2	2	Ahtanum Road; C3566	30260	Road Name: Ahtanum Road	3.42	5.04	16		RC	I	\$128,700	\$146,300	UAP	\$75,000	\$200,000	\$0	\$0	\$275,000											
				From: S. 26th Avenue Vicinity				1.62											P&T										
				To: S. 52nd Avenue Vicinity																									
3	3	Butterfield Road; C3368	45050	Road Name: Butterfield Road	0	0.45	17		RC	I	\$75,000			\$10,000	\$65,000	\$0	\$0	\$75,000											
				From: Terrace Heights Drive				0.45				SW																	
				To: Hartford Road Vicinity																									
4	4	Maple Avenue; C3362	44080	Road Name: Maple Avenue	0.22	0.42	17		RC	I	\$777,000	\$708,000	County	\$10,000	\$25,000	\$1,450,000	\$0	\$1,485,000											
				From: Maple Ct. Vicinity				0.2											Br										
				To: Hillcrest Drive															SW										
5	6	Beaudry / Bittner Intersection; C3502	42250	Road Name: Beaudry Road	0	0.15	17		NA	I	\$20,000			\$20,000	\$0	\$0	\$0	\$20,000											
				From: Norman Road				0.47				IS																	
				To: 800 feet South of Norman Road								Br																	
			42400	Road Name: Norman Road	1.52	1.67	16																						
				From: 800 ft. West of Beaudry Road																									
				To: Beaudry Road																									
41640	Road Name: Bittner Road	0.98	1.15	9																									
	From: MP 0.98																												
	To: MP 1.15																												
6	7	Old Naches Highway; C3524	10050	Road Name: Old Naches Highway	0.04	0.86	16		RC	I	\$5,000			\$5,000	\$0	\$0	\$0	\$5,000											
				From: Pence Road				0.82																					
				To: Mapleway Road																									
7	8	Mapleway Road; C3525	10120	Road Name: Mapleway Road	0.75	2.04	16		RC	I	\$5,000			\$5,000	\$0	\$0	\$0	\$5,000											
				From: Selah Heights Road				1.29				IS																	
				To: Old Naches Highway																									
8	14	Summitview Road; C3166	20020	Road Name: Summitview Road	7.12	8.58	7		RC	I	\$516,000	\$3,420,000	RAP	\$136,000	\$850,000	\$2,950,000	\$0	\$3,936,000											
				From: Forney Road				1.46											IS										
				To: Hatton Road																									
9	15	Independence Road; C3567	60320	Road Name: Independence Road	3.05	4.09	7		3R	I	\$5,000	\$45,000	RAP	\$50,000	\$0	\$0	\$0	\$50,000											
				From: Fordyce Road				1.04																					
				To: Maple Grove Road																									
10	16	Independence Road; Cxxxx	60320	Road Name: Independence Road	1.55	3.05	7		3R	I	\$5,000			\$5,000	\$0	\$0	\$0	\$5,000											
				From: N. Outlook Road				1.5																					
				To: Fordyce Road																									
11	17	Nile Road / Rattlesnake Creek Approach Repair; C3619	15550	Road Name: Nile Road	1.44	1.5	7		Other	I	\$25,000	\$185,200	ER	\$15,000	\$0	\$195,200	\$0	\$210,200											
				From: MP 1.44				0.06																					
				To: MP 1.50																									
12		Scoon Road; C3630	64750	Road Name: Scoon Road	0.35	1.01	7		2R	E	\$560,000			\$50,000	\$0	\$510,000	\$0	\$560,000											
				From: Sunnyside C/L				0.66																					
				To: Van Belle Road																									

Annual Program Item No.	6 Year Program Item No.	Project Name	Road Segment Information				Project Length (mi.)	Type of Work Code	Environmental Assessment	Sources of Funds		Estimated Expenditures						
			Road #	Road Name	BMP	EMP				FFC	County Road Funds	Other Funds	PE & CE	Right of Way	Contract Construction	County Forces Construction	Grand Total	
13	20	Fort Road Bridge #1353; C3556	50000	Road Name: Fort Road	13.02	13.1	7	0.08	FA	I	\$9,000	\$1,257,000	BR	\$209,000	\$0	\$1,371,000	\$0	\$1,580,000
				From: MP 13.02								\$314,000	RAP					
				To: MP 13.10														
14		N. Fork Road Bridge #106; C3557	30000	Road Name: N. Fork Road	7.96	8	7	0.04	Br	I	\$10,000			\$5,000	\$0	\$5,000	\$0	\$10,000
				From: MP 7.96														
				To: MP 8.00														
15	21	Old Naches Hwy. Bridge #460; Cxxxx	10050	Road Name: Old Naches highway	5.97	6.03	7	0.06	Br	I	\$25,000			\$25,000	\$0	\$0	\$0	\$25,000
				From: MP 5.97														
				To: MP 6.03														
16	22	Countywide Traffic Operations / Signal Upgrades					0	Other	E	\$65,000			\$5,000	\$0	\$60,000	\$0	\$65,000	
17	23	Countwidw Safety / Guardrail Projects					0	Safety	E	\$50,000			\$5,000	\$0	\$45,000	\$0	\$50,000	
18	24	Countywide LED Street Light Upgrade Program					0	Illm	E	\$50,000			\$5,000	\$0	\$45,000	\$0	\$50,000	
19	25	Countywide Sidewalk ADA Retrofit Program; C3628					0	SW	E	\$70,000			\$20,000	\$0	\$50,000	\$0	\$70,000	
20	26	Countywide Overlay Program					0	HMA	E	\$277,000	\$1,750,000.00	CAPP	\$15,000	\$0	\$1,550,000	\$462,000	\$2,027,000	
21	27	2nd Avenue (Parker)	50480	Road Name: 2nd Avenue	0.03	0.1	9	0.07	2R	E	\$90,000			\$15,000	\$10,000	\$0	\$65,000	\$90,000
				From: Main Street														
				To: Yakima Street														
22	28	Pioneer Way; C3676	24350	Road Name: Pioneer Way	1.43	2.49	9	1.06	RC	I	\$10,000			\$10,000	\$0	\$0	\$0	\$10,000
				From: MP 1.43														
				To: MP 2.49														
23	29	Collins Road; C3675	12750	Road Name: Collins Road	0.64	1.74	9	1.1	RC	I	\$855,000			\$10,000	\$55,000	\$790,000	\$0	\$855,000
				From: Grabenstein Road														
				To: End														
24	31	Poulin Road; C3675	12790	Road Name: Poulin Road	0	0.41	9	0.41	RC	I	\$350,000			\$20,000	\$30,000	\$300,000	\$0	\$350,000
				From: Parish Road														
				To: Collins Road														
25	30	Grabenstein Road; C3675	12850	Road Name: Grabenstein Road	0	0.22	9	0.22	RC	I	\$10,000			\$10,000	\$0	\$0	\$0	\$10,000
				From: Collins Road														
				To: Parrish Road														
26	32	Parish Road; C3675	12820	Road Name: Parish	0	0.86	9	0.86	RC	I	\$10,000			\$10,000	\$0	\$0	\$0	\$10,000
				From: Selah Loop Road														
				To: End of Gravel														
27	33	Selah Ridge Road; C3675	12190	Road Name: Selah Ridge Road	0	0.29	9	0.29	RC	I	\$10,000			\$10,000	\$0	\$0	\$0	\$10,000
				From: Collins Road														
				To: End														
28	36	Mieras Road; C3570	40300	Road Name: Mieras Road	4.59	5.6	9	1.01	RC	I	\$20,000			\$20,000	\$0	\$0	\$0	\$20,000
				From: Coombs Road														
				To: End														
											\$5,053,300	\$8,694,100		\$2,664,200	\$1,235,000	\$9,321,200	\$527,000	\$13,747,400

Program Source	Total
Bridge Replacement/Bridge Rehabilitation Program	\$1,257,000
Federal Emergency Relief	\$185,200
County Road Administration Board County Arterial Preservation Program	\$1,750,000
County Road Administration Board Rural Arterial Program	\$3,779,000
Transportation Improvement Board Urban Arterial Program	\$146,300
Connecting Washington Account	\$0
Other County Funds (SIED, GO Bond)	\$1,499,000
Joint City Projects (Yakima Mill Site)	\$77,600
Grand Total	\$8,694,100