

YAKIMA COUNTY PUBLIC SERVICES DEPARTMENT



ANNUAL ROAD CONSTRUCTION PROGRAM 2017

COUNTY COMMISSIONERS
J. Rand Elliott
Ron Anderson
Michael D. Leita

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

INTENTIONALLY BLANK

**YAKIMA COUNTY
ANNUAL ROAD CONSTRUCTION PROGRAM**

2017

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BOARD OF YAKIMA COUNTY COMMISSIONERS

IN THE MATTER OF ADOPTING)
THE YAKIMA COUNTY 2017 ROAD) RESOLUTION 393-2016
CONSTRUCTION PROGRAM, AS)
REQUIRED BY W.A.C. 136-16,)
AND THE 2017 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 2017 Road Construction Program, and the attached ER&R 2017 Equipment Replacement List; and,

WHEREAS, the Board has reviewed the Yakima County 2017 Road Construction Program and the ER&R 2017 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 2017 Road Construction Program and ER&R 2017 Equipment Replacement List, as prepared by the County Engineer, are hereby adopted.

DONE this 6th day of December, 2016




Linda Kay O'Hara
Deputy Clerk of the Board


Michael D. Leita, Chairman


Kevin J. Botchey, Commissioner
Excused

J. Rand Elliott, Commissioner
*Constituting the Board of County Commissioners
for Yakima County, Washington*

2017 ER&R Projected Equipment Purchases

EQUIPMENT	EQUIPMENT# REPLACED	DEPARTMENT	EST. PURCHASE PRICE
SUV - SMALL	1139	ASSESSOR	30,000.00
SUV - SMALL	2247	BUILDING & FIRE	35,000.00
TRUCK-LARGE	2500	BUILDING & FIRE	40,000.00
TRUCK-LARGE	2613	COUNTY ROAD	45,000.00
TRUCK-LARGE	2614	COUNTY ROAD	45,000.00
MOTOR GRADER	7221	COUNTY ROAD	248,000.00
MOTOR GRADER	7222	COUNTY ROAD	248,000.00
PASSENGER VAN	1761	DOC	50,000.00
SUV-LARGE	2437	DOC	40,000.00
SUV-LARGE	2437	DOC	40,000.00
TRUCK-LARGE	FLEET ADDITION	ER&R	50,000.00
SEDAN-MEDIUM	FLEET ADDITION	ER&R	30,000.00
SUV-SMALL	FLEET ADDITION	ER&R	40,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
PATROL SUV AWD	TBD	SHERIFF	45,000.00
COMPACTOR	6433	SOLID WASTE	900,000.00
COMPACTOR	6534	SOLID WASTE	750,000.00
			2,861,000.00

**YAKIMA COUNTY
2017 ADOPTED ROAD FUND BUDGET**

Adopted: 12/6/2016

2017

REVENUES:

SOURCE	2017 BUDGET
ESTIMATED CASH CARRY OVER - IN (Total Cash)	\$6,210,000
COUNTY ROAD LEVY	\$12,023,705
FEDERAL FOREST	\$532,053
STATE GAS TAX	\$6,320,574
SUBTOTAL, "LOCAL REVENUE"	\$25,086,332
Bridge Replacement/Bridge Rehabilitation Program	\$6,833,000
Surface Transportation Program - Rural	\$647,000
Federal Emergency Relief	\$709,300
SUBTOTAL, "FEDERAL FUNDS"	\$8,189,300
County Road Administration Board County Arterial Preservation Program	\$1,258,000
County Road Administration Board Rural Arterial Program	\$1,001,800
Transportation Improvement Board Urban Arterial Program	\$1,510,000
Connecting Washington Account	\$0
SUBTOTAL, "STATE FUNDS"	\$3,769,800
Other County Funds (SIED, GO Bond)	\$2,430,000
Joint City Projects (Yakima Mill Site)	\$350,000
SUBTOTAL, "OTHER REVENUE"	\$2,780,000
TOTAL REVENUE	\$39,825,432

EXPENDITURES:

	2017 BUDGET
CONSTRUCTION EXPENSES (County Road Funds)	\$7,179,100
CONSTRUCTION EXPENSES (Other Funds)	\$14,739,100
SUBTOTAL, "CONSTRUCTION EXPENSES"	\$21,918,200
MAINTENANCE EXPENDITURE BUDGET	\$10,481,400
ADMINISTRATION EXPENDITURE BUDGET	\$1,144,702
OPERATIONS EXPENSE BUDGET, Incl. RISK MANAGEMENT	\$967,266
DEBT SERVICE BUDGET	\$1,224,691
TRAFFIC POLICING BUDGET	\$448,000
TOTAL EXPENDITURE BUDGET	\$36,184,258
CARRYOUT (Total Cash)	\$3,641,174

TOTALS FOR 2015

COUNTY 2016 TYPE	YAKIMA COUNTY MILEAGE TOTALS as of January 14, 2015								
	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
	15.03	322.88	337.91	7.67	197.49	205.16	22.70	520.37	543.07
ESTIMATED CASH CAR	450.01	249.30	699.31	191.44	88.70	280.14	641.45	338.00	979.45
STATE GAS TAX	56.84	37.74	94.58	20.74	4.65	25.39	77.58	42.39	119.97
CONCRETE			0.00	2.93		2.93	2.93	0.00	2.93
TOTALS	521.88	609.92	1131.80	222.78	290.84	513.62	744.66	900.76	1645.42

LM-O Mileage Before Approval from State

COUNTY ROAD TYPE	FUNCTIONAL CLASSIFICATION as of January 14, 2015											
	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			0.05	0.50	39.69	40.24			22.15	480.68	502.83	543.07
BST		29.00	36.30	8.40	54.89	128.59	3.15	252.16	312.44	283.11	850.86	979.45
ASPHALT/ HMA	1.63	14.42	9.64	1.91	26.42	54.02	1.20	46.35	2.43	15.97	65.95	119.97
CONCRETE						0.00		2.93			2.93	2.93
TOTALS	1.63	43.42	45.99		121.00	222.85	4.35	301.44	337.02	779.76	1422.57	1645.42

YAKIMA COUNTY BRIDGES (NBI - Only)												as of January 15, 2016 (UPDATED Aug. 26, 2016)	
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	103	241	257	
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		69	85	129	283	305	

YAKIMA COUNTY SHORT SPAN BRIDGES												as of January 15, 2016 (UPDATED Aug. 26, 2016)	
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	56	85	179	182	
STEEL					1	1	2	5	7	27	41	42	
WOOD						0	1	3	3	34	41	41	
ALUMINUM						0			1	3	4	4	
TOTAL	1	0	2	0	1	4		42	67	149	258	269	

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	15 – Principal Arterial
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
2017
Annual Construction Program
WAC 136-16

(A) TOTAL CONSTRUCTION DONE (13) + (14): \$17,457,200.00
 (B) COMPUTED COUNTY FORCES LIMIT: \$1,822,959.25
 (C) TOTAL COUNTY FORCES CONSTRUCTION (14): \$75,000.00

Date of Environmental Assessment: 10/19/2016
 Date of Final Adoption: 12/6/2016
 Ordinance/Resolution Number: 393-2016

(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	\$0	\$1,445,000.00	County	\$1,795,000	\$0	\$0	\$0	\$1,795,000											
				From: I-82 Turnback Limits				1.05	P&T			\$350,000.00	City																
				To: End of N. Keys Road					Br			\$0.00	CW																
2		Fort Road; C3063	50000	Road Name: Fort Road	0	0.6	16		RC	I	\$670,000	\$1,510,000.00	UAP	\$0	\$0	\$2,180,000	\$0	\$2,180,000											
				From: SR 97 Limits				0.6				\$0.00	STP(US)																
				To: .08 mi. West of Teo Road																									
3	2	Ahtanum Road; C3566	30260	Road Name: Ahtanum Road	3.42	5.04	16		RC	I	\$75,000			\$75,000	\$0	\$0	\$0	\$75,000											
				From: S. 26th Avenue Vicinity				1.62	P&T																				
				To: S. 52nd Avenue Vicinity																									
4	3	Butterfield Road; C3368	45050	Road Name: Butterfield Road	0	0.45	17		RC	I	\$360,000			\$30,000	\$330,000	\$0	\$0	\$360,000											
				From: Terrace Heights Drive				0.45	SW																				
				To: Hartford Road Vicinity																									
5	4	Maple Avenue; C3362	44080	Road Name: Maple Avenue	0.22	0.42	17		RC	I	\$115,000			\$25,000	\$90,000	\$0	\$0	\$115,000											
				From: Maple Ct. Vicinity				0.2	Br																				
				To: Hillcrest Drive					SW																				
6	5	Beaudry / Bittner Intersection; C3502	42250	Road Name: Beaudry Road	0	0.15	17		NA	I	\$70,000			\$50,000	\$20,000	\$0	\$0	\$70,000											
				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																												
7	6	Old Naches Highway; C3524	10050	Road Name: Old Naches Highway	0.04	0.86	16		RC	I	\$75,000			\$75,000	\$0	\$0	\$0	\$75,000											
				From: Pence Road				0.82																					
				To: Mapleway Road																									
8	7	Mapleway Road; C3525	10120	Road Name: Mapleway Road	0.75	2.04	16		RC	I	\$75,000			\$75,000	\$0	\$0	\$0	\$75,000											
				From: Selah Heights Road				1.29	IS																				
				To: Old Naches Highway																									
9	12	Summitview Road; C3166	20020	Road Name: Summitview Road	7.12	8.58	7		RC	I	\$176,000	\$740,000.00	RAP	\$66,000	\$850,000	\$0	\$0	\$916,000											
				From: Forney Road				1.46	IS																				
				To: Hatton Road																									
10	13	Cheyne / Highland Intersection; C3377	67450	Road Name: Cheyne Road	1.28	1.64	7		IS	I	\$542,000	\$647,000.00	STP(R)	\$0	\$0	\$1,189,000	\$0	\$1,189,000											
				From: MP 1.28				0.79	RC																				
				To: MP 1.64																									
			67540	Road Name: Highland Drive	2.81	3.24	8																						
				From: MP 2.81																									
				To: MP 3.24																									
11	14	Independence Road; C3567	60320	Road Name: Independence Road	3.05	4.09	7		3R	I	\$50,000			\$50,000	\$0	\$0	\$0	\$50,000											
				From: Fordyce Road				1.04																					
				To: Maple Grove 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
12	15	Independence Road; Cxxxx	60320	Road Name: Independence Road From: N. Outlook Road To: Fordyce Road	1.55	3.05	7	1.5	3R	I	\$50,000		\$50,000	\$0	\$0	\$0	\$50,000
13	16	Nile Road / Rattlesnake Creek Approach Repair; C3619	15550	Road Name: Nile Road From: MP 1.44 To: MP 1.50	1.44	1.5	7	0.06	Other	I	\$110,700	\$709,300.00 ER	\$150,000	\$10,000	\$660,000	\$0	\$820,000
14	17	S. Naches Road; C3615	20150	Road Name: S. Naches Road From: Powerhouse Road To: Young Grade	0	2.69	7	2.69	3R	I	\$50,000		\$50,000	\$0	\$0	\$0	\$50,000
15		Scoon Road; Cxxxx	64750	Road Name: Scoon Road From: Sunnyside C/L To: Van Belle Road	0.35	1.01	7	0.66	2R	E	\$800,000		\$50,000	\$0	\$750,000	\$0	\$800,000
16	20	N. Meyers Road Bridge #485; C2996	70410	Road Name: N. Meyers Road From: MP 2.98 To: MP 3.28	2.98	3.28	7	0.3	FA	I	\$1,272,000	\$5,089,000.00 BR	\$0	\$0	\$6,361,000	\$0	\$6,361,000
17	21	N. Meyers Road Bridge #502; C3275	70410	Road Name: N. Meyers Road From: MP 2.69 To: MP 2.97	2.69	2.97	7	0.28	FA	I	\$337,400	\$261,800.00 RAP \$1,710,000.00 BR	\$0	\$0	\$2,309,200	\$0	\$2,309,200
18	22	Fort Road Bridge #1353; C3556	50000	Road Name: Fort Road From: MP 13.02 To: MP 13.10	13.02	13.1	7	0.08	FA	I	\$9,000	\$34,000.00 BR	\$43,000	\$0	\$0	\$0	\$43,000
19	23	N. Fork Road Bridge #106; C3557	30000	Road Name: N. Fork Road From: MP 7.96 To: MP 8.00	7.96	8	7	0.04	Br	I	\$50,000	\$750,000.00 County	\$30,000	\$20,000	\$750,000	\$0	\$800,000
20	25	Maloy Road Bridge #09; Cxxxx	15450	Road Name: Maloy Road From: MP 0.68 To: MP 0.72	0.68	0.72	9	0.04	Br	I	\$35,000	\$235,000.00 County	\$35,000	\$0	\$235,000	\$0	\$270,000
21	27	Countywide Traffic Operations / Signal Upgrades						0	Other	E	\$165,000		\$15,000	\$0	\$150,000	\$0	\$165,000
22	28	Countywide Safety / Guardrail Projects						0	Safety	E	\$50,000		\$10,000	\$0	\$40,000	\$0	\$50,000
23	29	Countywide LED Street Light Upgrade Program						0	Illm	E	\$100,000		\$10,000	\$0	\$90,000	\$0	\$100,000
24	30	Countywide Sidewalk ADA Retrofit Program; C3628						0	SW	E	\$150,000		\$20,000	\$0	\$130,000	\$0	\$150,000
25	31	Countywide Overlay Program						0	HMA	E	\$600,000	\$1,258,000.00 CAPP	\$20,000	\$0	\$1,838,000	\$0	\$1,858,000
26	32	2nd Avenue (Parker)	50480	Road Name: 2nd Avenue From: Main Street To: Yakima Street	0.03	0.1	9	0.07	2R	E	\$90,000		\$15,000	\$0	\$0	\$75,000	\$90,000
27	34	Pioneer Way; C3676	24350	Road Name: Pioneer Way From: MP 1.43 To: MP 2.49	1.43	2.49	9	1.06	RC	I	\$875,000		\$25,000	\$150,000	\$700,000	\$0	\$875,000
28	35	Collins Road; C3675	12750	Road Name: Collins Road From: Grabenstein Road To: End	0.64	1.74	9	1.1	RC	I	\$72,500		\$20,000	\$52,500	\$0	\$0	\$72,500
29	36	Grabenstein Road; C3675	12850	Road Name: Grabenstein Road From: Collins Road To: Parrish Road	0	0.22	9	0.22	RC	I	\$27,000		\$20,000	\$7,000	\$0	\$0	\$27,000
30	37	Poulin Road; C3675	12790	Road Name: Poulin Road From: Parrish Road To: Collins Road	0	0.41	9	0.41	RC	I	\$32,500		\$20,000	\$12,500	\$0	\$0	\$32,500

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	
31	38	Parish Road; C3675	12820	Road Name: Parish	0	0.86	9	0.86	RC	I	\$46,000		\$20,000	\$26,000	\$0	\$0	\$46,000	
				From: Selah Loop Road														
				To: End of Gravel														
32	39	Selah Ridge Road; C3675	12190	Road Name: Selah Ridge Road	0	0.29	9	0.29	RC	I	\$29,000		\$20,000	\$9,000	\$0	\$0	\$29,000	
				From: Collins Road														
				To: End														
33	42	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														
											\$7,179,100	\$14,739,100		\$2,884,000	\$1,577,000	\$17,382,200	\$75,000	\$21,918,200

Program Source	Total
Bridge Replacement/Bridge Rehabilitation Program	\$6,833,000
Surface Transportation Program - Rural	\$647,000
Federal Emergency Relief	\$709,300
County Road Administration Board County Arterial Preservation Program	\$1,258,000
County Road Administration Board Rural Arterial Program	\$1,001,800
Transportation Improvement Board Urban Arterial Program	\$1,510,000
Other County Funds (SIED, GO Bond)	\$2,430,000
Joint City Projects (Yakima Mill Site)	\$350,000
Grand Total	\$14,739,100