

KITTITAS COUNTY  
DEPARTMENT OF PUBLIC WORKS

**PUBLIC HEARING STAFF REPORT**

**HEARING DATE:** October 4, 2011

**ACTION REQUESTED:** Conduct a Public Hearing for the Six-Year Transportation Improvement Plan for the years 2012-2017 and the Annual Construction Program for 2012.

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**BACKGROUND:** Public Works has prepared a Six Year Transportation Improvement Plan for 2012-2017 and an Annual Construction Program for 2012. Two open houses were held to receive preliminary comments from the public on the Six Year Transportation Improvement Plan and Annual Construction Program. An open house was held in Cle Elum on September 13, 2011 and in Ellensburg on September 14, 2011.

**INTERACTION:** Public Works

**RECOMMENDATION:** Conduct the public hearing for the Six-Year Transportation Improvement Plan and the Annual Construction Program and consider approving the attached resolutions.

**ATTACHMENTS:**

1. 2012 Annual Construction Program and 2012-2017 Six Year Transportation Improvement Plan including the a.) Strategy for Six-Year Plan, b.) Open House summary, c.) Anticipated Revenue for Transportation Improvements, d.) 2012 Annual Construction Program, e.) 2012-2017 Six-Year Transportation Improvement Plan
2. Resolutions to Adopt the Six-Year Transportation Improvement Plan and the Annual Road Construction Program

**HANDLING:** Return one signed copy of each resolution to Public Works

**LEAD STAFF:** Jan Ollivier, Transportation Manager

## STRATEGY FOR SIX-YEAR PLAN

1. Fund or seek funding for major improvements to improve major transportation corridors and implement the Long-Range Transportation Plan.
2. Safety Enhancements to County roads including guardrail, intersection improvements, and off-street parking for recreation users.
3. Widen shoulders and improve drainage on roads that lack sufficient shoulders for safe travel in accordance with the current road standards.
4. Overlay or seal coat roads to provide additional strength and life to the roads. Dust control and soil stabilization for unpaved roads.
5. Rehabilitate or replace structurally deficient bridges. Bridges over 20 feet long receive federal funding and bridges less than 20 feet must be funded from local dollars.
6. Encourage alternative modes of travel by providing pathways and bicycle lanes.

**Comparison of 2011-2016 and 2012-2017  
6-Year Transportation Improvement Plans**

Item #	Project Name	2011 Status	Work Proposed 2012-2017 TIP
1	Nelson Siding Road MP 0.00 – MP 4.36	Design is 90% complete. Environmental permits under negotiation.	Complete design and permitting. All construction will take place in 2012.
2	Kittitas Hwy Reconstruction E-Burg CL to Kittitas CL	Funds awarded in 2007-2011. Completed survey and began design.	Continue design and determine right of way acquisition needs. Construct in 2014.
3	Teanaway Road and NF Teanaway Road	Project funded with Forest Highway allocation in 2010. Completed survey and started design and environmental permits in 2011.	Forest Highway team to complete design and environmental permits in 2012 and begin construction in 2013. Right of way acquisition may be needed in 2013.
4	Westside Road	Partial funding awarded in 2007-2009 and 2009-2011 bienniums, additional funds expected in 2013-2015 biennium.	Start design in 2012, construct in 2014.
5	Umptanum Road (MP 0.24 – MP 0.50)	Not in TIP.	Start design in 2013, construct in 2014.
6	Anderson Road (MP 0.0 – MP 0.41)	Not in TIP.	Start design in 2014, construct in 2015.
7	Fairview Road	No change, continued seeking funds.	Prepare a P.E. report to develop project scope and cost estimate. Continue to seek funding.
8	No. 6 Road	No change, continued seeking funds.	Seek RAP funding in 2013 to begin design in 2015.
9	Industrial Park Street Improvements	Partial funds awarded in 2007, 2008, 2010. Design and utility work completed in 2011. Hot mix asphalt overlay scheduled for fall 2011.	Additional paving, curb, gutter, sidewalk, and storm water improvements to be constructed in phases starting in 2013.

**Comparison of 2011-2016 and 2012-2017  
6-Year Transportation Improvement Plans  
CONTINUED**

<b>Item #</b>	<b>Project Name</b>	<b>2011 Status</b>	<b>Work Proposed 2012-2017 TIP</b>
10	Bowers Road Extension East	No change.	Prepare a P.E. report to develop project scope and cost estimate. Continue to seek funding.
11	Lambert Road Extension	Identified as a potential new corridor in the County's 20-Year Transportation Plan	Prepare a P.E. report to develop project scope and cost estimate. Seek Hazard Mitigation Program grant funds to build this new corridor.
12	Sno-Park Improvements	USFS began environmental review.	Complete survey and design of Salmon La Sac Sno-Park for construction in 2013.
13-17	Safety Enhancements	Funds awarded in 2009. Conducted a site selection analysis.	Design and construct run-off road and intersection safety improvements at various locations. Prepare a P.E. report to develop project scope and cost estimates for the Lambert Rd/Taylor Rd intersection.
18-19	Public Road Standard Improvements to Deficient Roads	None.	Prepare a P.E. report to develop project scope and cost estimate for Cle Elum Airport Road and Tjossem Road.
20-21	Arterial Asphalt Overlay/Widening	No asphalt overlay/widening improvements completed.	Change Anderson Road project to a TIB project from Umptanum Road to Railroad Road. Design and construct Old Hwy Ten in 2012.
22-26	Bridges	Completed work on Cleman Road bridge, Carroll Road bridge, Badger Pocket bridge, and Cooke Canyon bridge.	BRAC funded bridge projects completed. Repair of multiple structurally deficient bridges including McManamy Road bridge, No. 6 Road bridge, Brick Mill bridge, and Cove Road bridge.
27	Pathways & Bicycle Routes	Funded Hanson Pits Reclamation Master Plan and provide about \$3,000 to Coal Mines Trail maintenance (annual payment).	Use path funds as local match when seeking grant funding for path projects or to design and construct needed pathways.
28	Turn-Arounds	None.	Improve one turn-around per year.
29	Chip Seal	Chip sealed 50 miles of roadway	Chip seal 70 miles of roadway.
30	Hard Surface Gravel Roads	None.	Program on hold due to shortage of local funds.
31	Winston Bridge and Public road alignment	Project is on hold per Suncadia's request.	Unknown when Suncadia will continue engineering design and environmental permitting. Scheduled it for end of 6-year period.
32	Yakima River Canyon Scenic Byway – SR 823	CLC was awarded STP Enhancement funding to purchase and preserve property.	Complete the right of way purchase.

# OPEN HOUSE SUMMARY

September 13, 2011 · Cle Elum, WA · Kittitas County Upper District Court · 4:00pm – 6:00pm

*15 citizens attended the open house. Comments received included:*

- Chip seal Lambert Road NOW!. It has been promised for years and not happened.
- Chip seal Fowler Creek Road as promised. Fowler Creek Road has more traffic than other roads that are chip sealed. Is the money going to bigger developments?
- A frontage road along the freeway from Easton to Nelson Siding is needed – for emergency purposes. When I-90 is closed or blocked there is no way to get around for emergency vehicles.
- Sparks Road in Easton has no shoulder for pedestrians or horses – just a guardrail and a drop-off.
- Road funds should not be tapped into for other departments' funding. Taxes are appropriated for a reason.
- On NF Teanaway Road concerned that replacing and over-sizing upstream culverts will cause downstream flooding. Suggests installed culverts on both sides of the road so that one side does not get hit with the full flow.
- Suggests widening the NF Teanaway Road so that a groomed snowmobile path would fit on the side (like Salmon la Sac Road).
- See photos – taken from Storie Lane Bridge on 9/16/2010. “As you can see Little Creek is about dried up.”

**September 14th, 2011 • Ellensburg • KCPW Conference Room • 4:00pm – 7:00pm**

*9 citizens attended the open house. Comments received included:*

- Would like to save trees along Kittitas Highway just inside property line, and would like a new culvert the length of the yard.
- Even 20MPH is too fast for the blind curve where Sanders turns into Brick Mill. More and more runners/pedestrians, so more signage is needed.
- Great Open House!
- There is a need to better accommodate pedestrians on University Way and Reecer Creek Rd. on the ramps. Suggests a path at the bottom of the slope.

# ANTICIPATED TRANSPORTATION IMPROVEMENT REVENUE

Source	2012	2013	2014	2015	2016	2017
Local: Property Tax	\$4,359	\$4,359	\$4,359	\$4,359	\$4,359	\$4,359
Local: Motor Vehicle Fuel Tax	\$1,893	\$1,893	\$1,893	\$1,893	\$1,893	\$1,893
Local: MVET (Bikes & Trails)	\$95	\$9	\$9	\$9	\$9	\$9
Local: Sales and Use Tax	\$0	\$100	\$100	\$100	\$0	\$0
State: RAP	\$0	\$0	\$1,354	\$0	\$1,300	\$0
State: CAPP (Gas Tax)	\$375	\$375	\$375	\$375	\$375	\$375
State: TIB	\$0	\$800	\$1,730	\$0	\$0	\$0
Federal: Forest Highway	\$1,500	\$21,392	\$0	\$0	\$0	\$0
Federal: STP	\$1,853	\$200	\$200	\$200	\$200	\$200
Federal: Approps	\$2,280	\$0	\$0	\$0	\$0	\$0
Federal: BRAC	\$0	\$0	\$0	\$0	\$0	\$0
<b>SUMMARY:</b>						
Local Funds	\$6,347	\$6,361	\$6,361	\$6,361	\$6,261	\$6,261
State Funds	\$375	\$1,175	\$3,459	\$375	\$1,675	\$375
Federal Funds	\$5,633	\$21,592	\$200	\$200	\$200	\$200
Total Revenues	\$12,355	\$29,128	\$10,020	\$6,936	\$8,136	\$6,836

ANNUAL CONSTRUCTION PROGRAM FOR 2012

(A) TOTAL CONSTRUCTION PROGRAM - columns (14)+(15)  
(B) PUBLISHED COUNTY FORCES LIMIT (see instructions)  
(C) TOTAL COUNTY FORCES CONST PROGRAM-column (15)

TOTAL \$'S
\$3,914
\$1,165,186
\$20

AGENCY ACTION:	COUNTY >>	Kittitas
DATE RECOMMENDED PROG. SUBMITTED		10/4/2011
DATE OF ENVIRONMENTAL ASSESSMENT		
DATE OF FINAL ADOPTION		
ORDINANCE/RESOLUTION NO.		
DATE OF AMENDMENT		

\*\* Line (B) must be smaller than Line (A) \*\*

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ITEM NUMBER	6 YEAR ROAD PROGRAM ITEM NO.	ROAD LOG NO.	ROAD/PROJECT NAME AND LOCATION  (Include brief termini description or MP's; Bridge #)	PROJECT LENGTH  (Miles)	FUNCTIONAL CLASS	WORK CODE(S)	ENVIRONMENTAL ASSESSMENT	SOURCES OF FUNDS			ESTIMATED EXPENDITURES - DOLLARS				
								COUNTY FUNDS  \$1,234,567	OTHER FUNDS		PRELIM. & CONST. ENGRING 595.10 \$1,234,567	RIGHT OF WAY 595.20 \$1,234,567	CONSTRUCTION		GRAND TOTAL ALL 595.
									AMOUNT \$1,234,567	PROGRAM SOURCE			CONTRACT \$1,234,567	COUNTY FORCES \$1,234,567	
01	1	23030	Nelson Siding Rd. Improvements (MP 0.0 - 4.36)	4.36	08	ABCG		228 0	2,586 500	RAP CAPP	20 0	0 0	2,794 500	0 0	2814 500
02	2	96951	Kittitas Highway Reconstruction	4.64	07	ABCG		50	250	STP/Approp	300	0	0	0	300
03	3	28500 25880	Teanaway Road & North Fork Teanaway (Teanaway: MP 0.0 - 7.29 and NF Teanaway: 0.0 - 5.8)	13.09	08	ABCG		250	1,500	Forest Hwy	1,750	0	0	0	1,750
04	4	22710	Westside Road (MP 1.98 - MP 5.81)	3.83	08	ABC		40	160	RAP	200	0	0	0	200
05	7	63500	Fairview Rd and bridges	N/A	08	ABCG		10	0	---	10	0	0	0	10
06	11	23010	Lambert Rd Extension (MP 2.95-5.27)	N/A	08	ABCG		10	0	----	10	0	0	0	10
07	12	N/A	Salmon La Sac Sno-Park	N/A	N/A	AB		10	40	Forest Hwy	50	0	0	0	50
08	13	varies	Run-off-road Improvements (guardrail, culverts, etc.)	N/A	N/A	G		0	70	Rural Rd. Safety Prog.	70	0	0	0	70
09	14	42271 94126	Alford Rd/Wilson Creek Rd Intersection Improvements	0.10	08	ABC		0	5	Rural Rd. Safety Prog.	5	0	0	0	5
10	15	95611 96937	Brown Rd/Umptanum Rd Intersection Improvements	0.10	07	ABC		0	5	Rural Rd. Safety Prog.	5	0	0	0	5
11	16	93047	Old Highway Ten Railing Retro Fit	0.10	07	I		0	20	Rural Rd. Safety Prog.	20	0	0	0	20
12	20	93047	Old Highway Ten HMA Overlay (MP 0.0 - MP 1.09)	1.09	07	D		50	350	CAPP	50	0	350	0	400
13	22	31412	McManamy Road Bridge Over Dry Creek (#88201)	0.10	09	I		350	0	----	100	0	250	0	350
14	37	N/A	Turnarounds (countywide)	varies	N/A	ABCG		20	0	----	0	0	0	20	20
PAGE / PROGRAM TOTALS, CONSTRUCTION								1,018	5,486	0	2,590	0	3,894	20	6,504



Kittitas County Department of Public Works 2012-2017 Six Year Transportation Improvement Plan

Expenditures Anticipated by Year (thousands)																			Anticipated Funding Sources (thousands)																	
Item #	Priority	F F C	PROJECT	TERMINI	2012			2013			2014			2015			2016			2017			RAP	STP	FHWA Approp. & Authorizations	Rural Rd Safety Program	CAPP	Forest Highway	Sales & Use Tax	Hazard Mitigation Program	TIB	Ellensburg Match	Private	County Local	FUNDING SOURCE UNIDENTIFIED	TOTAL
					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr														
Major Improvements - Countywide					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr																	
1	1	08	Nelson Siding Road	Golf Course Rd to I-90 wb ramps (MP 0.0-4.36)	20		3,294														2,586				500								228	0	3,314	
2	2	19	Kittitas Highway Reconstruction	Ellensb. CL to Kittitas CL (MP 1.03-5.64)	300			150	258				4,830									1,853	2,280		500							500	405	5,538		
3	3	09	Teanaway Road & North Fork Teanaway	SR 970 to end (MP 0.0-7.29 & N Fork; MP 0.0-5.8)	1,500	250			250	21,392																22,892						500	0	23,392		
4	4	08	Westside Road	Creek Rd. (MP 1.98 - MP 5.81)	200			300					3,800								3,800				500									0	4,300	
5	5	17	Umptanum Rd.	Ellensb. City Limits to Anderson Rd. (MP 0.24-0.50)				150					850																800	40		160	0	1,000		
6	6	16	Anderson Rd.	Umptanum Rd. to Ellensburg City Limits (MP 0.0-0.41)							300					2,000												1,730		20	550	0	2,300			
7	7	07	Fairview Road and Bridges (Coleman Cr)	Brick Mill Rd. to Rader Rd. (MP 5.03 - MP 6.05)	10									300	100				1,500													10	1,900	1,910		
8	8	08	No. 6 Road	MP 3.59 to Thrall Rd (MP 3.59 - MP 5.10)													220	140			1,620											180	0	1,800		
9	9	08	Industrial Park Street Improvements	Airport Roads*						600			600			600											300						1,500	1,800		
10	10	17	Bowers Road Extension East	Bowers Rd to Look Rd (MP 1.93-2.63)				10									200				600											235	875	1,710		
11	11	09	Lambert Road Extension	End Co Rd (MP 2.949) to Hidden Vly Rd. (MP 5.271)	10												500										4,500					10	0	4,510		
Safety Enhancements - Countywide					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr														
12	1	08	Salmon La Sac Sno-Park	MP 9.3	50					445																	485						10	0	495	
13	2	08	Run-Off-Road Improv.s (guardrail, culverts, etc.)	Varies	70					500				10		75									500								155	0	655	
14	3	08	Alford Rd/ Wilson Creek Rd. Intrs. Imprvs	Alford Rd. / Wilson Creek Rd. Intersection	5					75																80								0	80	
15	4	07	Brown Rd. / Umptanum Rd. Intrs. Imprv.s	Brown Rd. / Umptanum Rd. Intersection	5					75																80								0	80	
16	5	07	Old Highway Ten Railing	Retro Fit	20					80																								0	100	
17	6	08	Lambert Rd./Taylor Rd. Intrs. Imprv.s	Lambert Rd. / Taylor Rd. Intersection				10			20		80															110						0	110	
Public Rd Standard Imprvts - 4:1 shldr, 28' pvmt, drainage					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr														
18	1	07	Cle Elum Airport Rd.	SR 970 (MP 3.16) to Masterson Rd. (MP 2.89)							25																						25	0	25	
19	2	07	Tjossem Rd.	Ferguson Rd (MP 3.125) to Clemans (MP 5.65)							25																						25	0	25	
Arterial Asphalt Overlay/Widening (07) - annual overlay progra					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr														
20	1	07	Old Highway Ten	Reecer Creek Rd to US 97(MP 0.00-1.09)	50		350																		350							50	0	400		
21	2	07	Other Roads as needed					50					350				50								800									0	800	

\*Airport Roads include: Falcon Rd (MP 0.00 - MP 0.29), Elmview Rd (MP 0.00 - MP 0.39), Beech Rd (MP 0.00 - MP 0.15), Cessna Rd (MP 0.00 - MP 0.15), and Piper Rd (MP 0.00 - MP 0.07)



Kittitas County Department of Public Works 2012-2017 Six Year Transportation Improvement Plan

Expenditures Anticipated by Year (thousands)																			Anticipated Funding Sources (thousands)																		
Item #	Priority	F C	PROJECT	TERMINI	2012			2013			2014			2015			2016			2017			RAP	STP	FHWA Approp. & Authorizations	Rural Rd Safety Program	CAPP	Forest Highway	Sales & Use Tax	Hazard Mitigation Program	TIB	Ellensburg Match	Private	County Local	FUNDING SOURCE UNIDENTIFIED	TOTAL	
					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr															
Bridges					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr																		
22	1	09	McManamy Rd Bridge #88201	Over Dry Creek	100		250																										350	350			
23	2	08	No. 6 Rd Bridge #79051	Over Towne Ditch				100					300																			400	0	400			
24	3	09	Brick Mill Rd Bridge #89211	Over Naneum Creek							100					500																400	200	600			
25	4	08	Lyons Rd Bridge #89281	Over Naneum Creek										100					500												400	200	600				
26	5	07	Cove Road Bridge	Over Manastash Creek												180	100										1,780					0	1,780				
Other					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr															
27	1	N/A	Pathways & Bicycle Routes	Varies					35						45						45												125	0	125		
28	2	N/A	Turn-Arounds (one annually)**	Varies			20			21			21			22			23		24												120	11	131		
29	3	N/A	Chip Seal - 7 year cycle (70 miles/yr.)**	Varies			2,800			2,901			3,005			3,113			3,226		3,342												16,500	1,587	18,387		
30	4	N/A	Class A Seal Coat - hard surfacing gravel roads	Varies																													0	0			
Non-County Regionally Significant Projects					des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr	des.	row	cnstr															
31	---	09	Winston Bridge and public road alignment	Suncadia vicinity												782					4,450											5,232		0	5,232		
32	---	07	Yakima River Canyon Scenic Byway - SR 823	MP 25 to MP 3	6	2,025																	1,625								406		0	2,031			
Total County Road Expenditures (thousands)					2,240	250	6,464	670	543	26,089	370	0	13,536	310	100	5,855	970	140	4,749	0	0	10,701	8,006	2,453	2,280	760	2,950	23,377	300	4,610	2,530	40	20	19,383	6,278	72,987	
Total County Bridge Expenditures (thousands)					100	0	250	100	0	0	100	0	300	100	0	500	180	100	500	0	0	1,500	0	0	0	0	0	0	1,780	0	0	0	1,200	750	3,730		
Total County Expenditure (thousands)					2,340	250	6,714	770	543	26,089	470	0	13,836	410	100	6,355	1,150	240	5,249	0	0	12,201	8,006	2,453	2,280	760	2,950	23,377	300	6,390	2,530	40	20	20,583	7,028	76,717	
Number of County Projects:					13	1	5	7	3	9	5	0	9	3	1	7	5	2	4	0	0	8	3	2	1	4	6	2	1	3	2	1	1	20		28	

\*\*Assume 3.6% inflation rate