BOARD OF COUNTY COMMISSIONERS COUNTY OF KITTITAS STATE OF WASHINGTON

RESOLUTION NO. 2017 - 10/

TO AUTHORIZE THE CHAIRMAN'S SIGNATURE ON FORMAL TASK ORDER DOCUMENT NUMBER 004 WITH KPFF CONSULTING ENGINEERS

WHEREAS: The Federal Highway Administration (FHWA) issued a memo on November 15, 2013 clarifying FHWA's position on the analysis of Specialized Hauling Vehicles (SHVs) during bridge load ratings to comply with the requirements of the National Bridge Inspection Standards (NBIS); and

WHEREAS: Kittitas County Public Works coordinated efforts with KPFF on call Structural Engineering Consultants to identify bridges within our inventory that require SHV load ratings; and

WHEREAS: FHWA established timelines to perform the associated load ratings resulting in Kittitas County Public Works having 48 bridges with load ratings to be completed by December 31, 2017 and 52 bridges to be completed by December 31, 2022; and

WHEREAS: Kittitas County Public Works negotiated Task Order Number 004 with KPFF Consulting Engineers to perform the required load rating efforts for the 48 bridges prior to the December 31, 2017 deadline to maintain compliance with NBIS; and

NOW, THEREFORE BE IT RESOLVED that the Board of County Commissioners, in the best interest of the public, does hereby authorize the Chairman's signature on Task Order Document Number 004 with KPFF Consulting Engineers, as attached.

DATED on this 20th day of June, 2017, at Ellensburg, Washington.

BOARD OF COUNTY COMMISSIONERS

Paul lewell, Chairman

KITHTAS COUNTY, WASHINGTON

Attest:

WASHINGTON

Clerk of the Board- Julie Kjorsvik

ce-Chairman

Obie O'Brien, Commissioner

WASHING TON Deputy Clerk of the Board- Mandy Buchholz



KITTITAS COUNTYDEPARTMENT OF PUBLIC WORKS

Formal Task Order Document

(KPFF)

Task Order Number 004

Maximum Amount Payable ___\$99,259 Completion Date ___12/31/2017

The general provisions and clauses of Local Agency Agreement Number (KCPW 2017-19ENG2) shall be in full force and effect for this Task Order.

Location of Project: All Kittitas County Bridges

Project Title: SHV Load Ratings

Description of Work: In accordance with FHWA direction for Load Rating of Specialized Hauling Vehicles (SHV), Kittitas County is required by Federal and State mandates to update existing bridge load ratings records with SHV load ratings on the appropriate schedule. The Consultant in Task Order 3 reviewed the County's bridge inventory and identified which bridges require updated load ratings by 12/31/17 and which ones need updated load ratings by 12/31/2022 using the WSDOT Load Rating Flow Chart for Specialized Hauling Vehicles (Feb 2014). The Consultant concluded that the County has a total of 114 NBIS bridges which are longer than 20 feet and thus are required to have a documented load rating analysis or report on file. Forty-eight (48) of these bridges have been determined to require updated load ratings in 2017. Thirty-six (36) of these will receive an *Administrative Load Rating* and twelve (12) will be a *Calculated Load Rating*. A summary of the Task 3 effort is attached for reference.

<u>A Calculated Load Rating</u> is a load rating analysis in which sufficient structural details regarding the primary superstructure components can be gleaned from either field measurements or historical documents, such as bridge plans or calculations, to support direct and accurate structural analysis and capacity determinations. The bridge's current condition is considered in the capacity reduction factor. Calculated load ratings will follow procedures in the WSDOT BDM and AASHTO MBE. Each bridge will receive a site visit by the Engineer to ensure the documented condition in the Inspection Report conforms to the condition today based on the opinion of the Load Rating Engineer.

<u>An Administrative Load Rating</u> is performed only on concrete bridges where design, shop, or as-built plans detailing the reinforcement do not exist. Steel and timber bridge structural components can be



DEPARTMENT OF PUBLIC WORKS

field measured and thus accurately load rated using industry standard analytical procedures. The goal of an Administrative Load Rating is to provide the County with a Load Rating report for a bridge in which calculations cannot be performed without extensive research regarding the structural details of the bridge reinforcement and concrete strength. Since calculations cannot be performed, the engineer will rely on the material found addressing the bridge's history, including dates of construction, relevant design codes of that period, truck live load historical patterns of use, and level of distress as evaluated by the Consultant during the Site Visit. The Consultant will also review previous Bridge Inspection Reports, and repair/ retrofit records as made available to the Consultant by the County. The Consultant will, based on evaluation of the accumulated data, make a judgment regarding the capacity of the bridge to sustain current Legal Loads, the Notational Truck Load, and Specialized Hauling Vehicle Loads.

Administrative Load Ratings will follow the procedures established in Section 5.02 C of the WSDOT Bridge Inspection Manual. These procedures are based on field evaluation and documented engineering judgment.

A site visit will occur for each bridge to be load rated. This site visit is not an inspection; rather it is an opportunity for the Engineer to field verify conclusions from the last Bridge Inspection and to arrive at a consensus regarding how well the bridge has performed over the course of its service life. The Site visit evaluation will be performed by two licensed engineers who are also WSDOT Certified Bridge Inspectors with many years of design, load rating, and inspection experience. In general, rating factors for the SHV and AASHTO legal trucks will be determined by the ratio of moment demands of the legal trucks compared to the design truck or assumed design truck based on the historical documents.

A signed Load Rating Summary sheet will be provided for each bridge along with a memo that will include photos, recent inspection report, calculations (if applicable).

In addition:

Cost Breakdown: See attached.

- Assume all updates to WSBIS will be completed by County.
- County to determine if any bridges shall be load rated for Emergency Vehicles and provide any additional truck axle configurations to be rated.

Agency Signature:	932	Date:	6/20/17
Consultant Signature:	Thomas b. Uli forman	Date:	06/07/17

CONSULTANT LINE ITEM COST ESTIMATE WORK SHEET

							KPFF CC	ONSULTING EN	GINEERS			
	LOAD RATINGS	Avera	ge Per Br	ldge (Pro	iject Eng)		EN	IGINEERING ES	TIMATED HOU	RS		KPFF
	TASK 4	no of bridges	data collection & Review	Site visit	Analysis & Report	Project Manager (T Whiteman)	Technical Specialist (T Whiteman)	Senior Engineer (M Frymoyer)	Design Engineer (A Ashour)	CAD Tech (Staff)	Project Administrator (A Fernando)	MULTIPLIER
ITEM	SCOPE OF WORK					67 51	67 51	41 00	34 27	39 00	25 00	2.61
	Management											
	Project Management											
	Contract Compliance					4						705 54
	Client Communications					8		4				1839,56
	General Management					30						5291 54
	Subconsultant Coordination					0						
	Invoicing & Project Summaties					2		2			4.0	828 28
	Labor Subtotal:					44.0	0.0	6.0	0.0	0.0	4.0	8664.93
	Remunications											
	Site Visit											
	Travel : Ellensburg / Seattle RT Assume 3 trips						8,0	12 0	40			3054.69
	Administrative LR Travel: Includes travel time between bridges	36 00	10	1			36 0	72 0				14062 60
	Calculated - LR, field measures for outpurts	6 00		1.50				9.0	9.0			1769 93
	Calculated - LR site assement	6 00		1.00				60	60			1179 96
	Labor Subtotal:					0.0	44_0	99,0	19.0	0.0	0.0	20067.18
	Relmbursables:											
	LOAD RATING - 2017											
1.00	ADMINISTRATIVE											
	Bridges	36			4.00		36 0	144 0				21775 35
	Culverts	0			4 00		0.0	0.0				
2.00	UPDATE BRIDGES WITH SHV - CALCULATED											
	Concrete Slab (88283) Concrete Channel (88082)	2	1 00		32 00		2,0	16 0	66 0			7976 22
	Concrete and Pre-stressed (78041)	1	1 00		48.00		1.0	12 0	49 0			5849.20
	Pre-stressed (88322, 97211, 16203)	2	1 00		32 00		2.0	16 0	66 0			7976 22
	Corrugated Arch Culverts (78021, 79301,70141, 78112, 70091, 88261)	6	1 00		24,00		6,0	36 0	150 0			18345 37
_	Steel Pre-fab Girder (68161 - Big R)	1	1 00	_	40 00		1.0	10 0	410			4918 65
	Timber	0	1.00		32 00		0.0	0.0	0.0			
3.00				-								
	Labor Subtotal:					0,0	48.0	234.0	372.0	0.0	0.0	66841.01
	Rembutadi≤s					L						
	Labor Sum:					44,00	92.00	339,00	391,00	0.00	4.00	95573 11
	Management Reseve:					r:						1500,00
	Reimbursable Sum:											2186.20

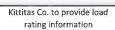
Load Rating for Specialized Hauling Vehicles (SHV) Kittitas County, WA

Values from SHV flow chart to determine group:

NRL	1
Shortest Span	200 ft
Type 3	33 tons
Type 3S2	47 tons
Type 3-3	52 tons
LRFR (All Types)	1.3



SHV Group	Total	< 20 ft.	
Bridges in Group 1:	48	0	0
To be rated by December 2017			
Bridges in Group 2:	52	0	
To be rated by December 2022			
Bridges in Group 3:	14	N/A	
Does not need updated rating fo	or NRL	/SHV	
Bridges TBD:	0		
Total Bridges:	114		



			Bridge	NRL LR?	NRL	Shortest Span Length	Total Bridge Length	Longest Span Length	Material	Date of Last Load Rating	Method of Last Load Rating	0	ASR/LFI peratir onnage Type 3S2	ng es	Rat	R Legal ing Fac Type 352		KPFF Group No.	Site Visit/ Analysis	Notes
	Bridge No.	ID.	Name	(Y/N)	No.	ft	ft	ft	3 0		(ASR / LFR / LRFR)	tons	tons	tons	(e.		1			
1	89091	08099500	Naneum Rd over Hiline Canal	N		23.38	46.8			2003	ASR/LFR	25	36	48.6				1	Fall 2017	Administrative
2	79144	08174700	Denmark Road	N						2011								1	Summer 2017	Administrative
3	80181	08231600	Cooke Canyon Rd	N			43	42	concrete	2011								1	Fall 2017	Administrative
4	88282	08375800	Dry Cr. Connection over Flood Channel	N			75	24	concrete	2011								1	Fall 2017	Administrative
5	98281	08382300	L GREEN CAN RD-HILINE CA	N			53	19	concrete	2011								1	Fall 2017	Administrative
6	89022	07990200	Fairview Rd over Hiline Canal				48	46	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
7	60031	08000800	Morrison Rd over Gravity Canal							1994								1	Fall 2017	Non-Calculated Evaluation
8	60042	08014800	Morrison Rd over Turbine Canal	N						1994								1	Fall 2017	Non-Calculated Evaluation
9	60043	08014900	Ditchbank Rd over Turbine Canal	N			1			1994								1	Fall 2017	Non-Calculated Evaluation
10	89041	08015100	Bar 14 Rd over Naneum Creek	N			0			1994								1	Summer 2017	Non-Calculated Evaluation
11	87052	08031800	Taneum Rd over Hiline Spillway	N			43	41	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
12	88061	08040800	Howard Rd over Dry Creek	N			24			1994								1	Summer 2017	Non-Calculated Evaluation
13	79061	08041500	Third Ave over Towne Ditch	N						1994								1	Fall 2017	Non-Calculated Evaluation
14	78071	08058100	Cove Rd over Manastash Creek	N				V		1994								1	Summer 2017	Non-Calculated Evaluation
15	60083	08077000	Katen Rd over Turbine Canal	N			= =			1994								1	Fall 2017	Non-Calculated Evaluation
16	60091	08088700	Ross Rd over Turbine Canal	N						1994								1	Fall 2017	Non-Calculated Evaluation
17	7101	08103700	Liberty Rd over Swauk Creek	N			40	38	concrete	1994								_ 1	Summer 2017	Non-Calculated Evaluation
18	89113	08123300	Schebly Rd over Hiline Canal	N			48	46	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
19	89123	08141800	Schnebly Rd over Coleman Creek	N			24	ļ		1994								_ 1	Summer 2017	Non-Calculated Evaluation
20	89131	08152800	Cooke Rd over Hiline Canal	N			47	24	concrete	1994			i)					1	Fall 2017	Non-Calculated Evaluation
21	79132	08154200	Badger Pocket Rd over Parke Crk	N						1994			11					1	Summer 2017	Non-Calculated Evaluation
22			Thorp Hwy over Westside Ditch	N				-		1994								1_	Fall 2017	Non-Calculated Evaluation
23	76131	08163500	Manastash Rd over Manastash Crk	N			32			1994								1	Fall 2017	Non-Calculated Evaluation
24	79141	08178800	Tjossem Rd over Towne Ditch	N						1994								1	Fall 2017	Non-Calculated Evaluation
25	80171	08214700	Colockum Rd over Hiline Canal	N			44	26	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
26	88201	08263000	McManamy Rd over Dry Creek	N						1994								1	Summer 2017	Non-Calculated Evaluation
27	88212	08282100	Faust Rd over Towne Ditch	N						1994								1	Fall 2017	Non-Calculated Evaluation
28	98262	08346900	Evans Rd over Hiline Canal	N						1994								1	Fall 2017	Non-Calculated Evaluation
29	98265	08348800	Church Rd over Hiline Canal	N			53	51	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
30	88272	08365200	Dry Creek Rd over Currier Creek	N						1994								1	Summer 2017	Non-Calculated Evaluation

			Bridge	NRL LR?	NRL	Shortest Span	Total Bridge	Longest Span	Material	Date of	Method of Last Load	0	ASR/LFI peratir onnage	g	Rat	R Legal ting Fac	tors	KPFF	Site Visit/	
- 1						Length	Length	Length		Last Load Rating	Rating	Type 3	Type 3S2	Type 3-3	Type 3	Type 352	Type 3-3	Group No.	Analysis	Notes
	Bridge No.	ID.	Name	(Y/N)	No.	ft	ft	ft	(*)		(ASR / LFR / LRFR)	tons	tons	tons			4:	, , , ,		
31	98271	08370200	Reecer Cr. Rd over Hiline Canal	N			56	32	concrete	1994								1	Fall 2017	Non-Calculated Evaluation
32	89321	08433400	Wilson Creek Rd over Cascade Canal	N						1994								1	Fall 2017	Non-Calculated Evaluation
33	99325	08434800	Thomas Rd over Naneum Creek	N						1994								1	Summer 2017	Non-Calculated Evaluation
34	70331	08452500	4th Parallel Rd over Turbine Canal	N						1994								1	Fall 2017	Non-Calculated Evaluation
35	70231	08596400	Boylston over Ground Relief	N		1	145	32	concrete	1994								1	Summer 2017	Non-Calculated Evaluation
36	4281	08632300	Storie Lane over Little Creek	N			50	44	concrete	1994								1	Summer 2017	Non-Calculated Evaluation
1	70141	8623200	STEVENS RD CULVERTS				25	23	Steel									1	Arch - Calc.	No load rating summary sheet
2	78021	08622900	Anderson Road			V	22	22	Steel	2001								1_	Arch - Calc.	No load citing general notes
3	79301	08623000	Ringer Road Culverts				23	23	Steel	2001				Ĭ				1	Arch - Calc.	No load rating; generic notes
4	70091	08623100	Parke Creek Multiplate				68	24	Iron/Alum	2001								1	Arch - Calc.	No load rating passed testes
5	78112	08673000	Umptanum Rd over Anderson Slough				22	22	Steel	2001								1	Arch - Calc.	No load rating; separat notes
6	88261	08742300	Bowers Rd over Whiskey Creek				22	22	Steel	2001		_						1	Arch - Calc.	No foud nating; general notes
1	78041	08012900	Brown Rd over Manastash Canal	N						1994	LRFR				1.28	1.41	1.56	1	Calc.	
2	88082	08073400	Clarke Rd	N		30	32			1999	ASR/LFR	25	40	40.7				1	Calc.	
3	16203	08271500	N. Fork Teanaway Rd	N						1994	LRFR				1.29	1.38	1.47	1	Calc.	
4	68161	08863700	Durr Road, Wenas WLA	N			60	56	Steel	2014								1	Calculate	No soud rating; generic users:
5	88283	08377700	Dry Creek Rd over Currier Creek	N						1994	LRFR				1.10	1.21	1.34	1	Calc.	
6	88322	08434200	Weaver Rd over Westside Ditch	N						1994	LRFR				1.26	1.34	1.53	1	Calc.	
1	97711	08382300	Hayward Rd over Hiline Canal	N				-		2002	ASR/LFR	72.0	108.9	1///	_	_		2	2022	
2			Hundley Road	T _N					_	1996	LRFR	12.5	100.5	177	2 95	3.51	3.67	2	2022	
3			No. 81 Rd over Cooke Creek	N		24	24			1994	LRFR		_		1.49		1.81	2	2022	
4	_		Upper Peoh Pt. Road	N						1994	LRFR	H			2.26	_	1.82	2	2022	
5			Upper Peoh Pt. Road	N						1994	LRFR				2.35	2.07	2.13	2	2022	
6			W Sparks Rd - Kachess River	N						1994	LRFR	\vdash			3.78	-	2.90	2	2022	
7			Mohar Road	N						1994	LRFR	\vdash			1.74	1.53	1.60	2	2022	
8	3031		W SPARKS RD-KACHESS RIV								LRFR				2.40	2.02	1.65	2	2022	
9			Taneum Rd over Taneum Creek	N						1994	LRFR				1.74	1.47	1.50	2	2022	
10			Wilson Creek Rd over Hiline Cnl	N						1994	LRFR				2.09	1.85	1.90	2	2022	
11	95061	08047200	Westside Rd over Hiline Canal	N				Ţ.		1994	LRFR				2.03	1.74	1.74	2	2022	
12	6061	08051800	Teanaway Rd over Teanaway Rvr	N			136			1994	LRFR				1.65	1.65	1.65	2	2022	
13			Upper Peoh Rd over Hiline Canal	N				Ĭ,		1994	LRFR				2.05	1.76	1.81	2	2022	
14	96091	08100100	Upper Peoh Rd over Hiline Canal	N				Ų		1994	LRFR				2.04	1.75	1.80	2	2022	
15	78102	08109800	Umptanum Rd over Yakima River				306								4.04	2.87	2.64	2	2022	
16	70111	08127900	Stevens Road	N						1996	ASR/LFR	43.1	54.5	62.3				2	2022	
17	96111	08132600	Thorp Prairie over Hiline Canal	N						1994	ASR/LFR	37.8	48.2	55.2				2	2022	
18	78131	08150900	Tjossem Rd over Wilson Creek	N						1994	LRFR				2.86	2.92	3,28	2	2022	
19	78132	08158900	Canyon Rd over Wilson Creek	N		20	80			2003	ASR/LFR	39.1	62.7	77.1				2	2022	
20	77141	08174600	Manastash Rd over Manastash Crk	N						1994	LRFR				2.27	2.10	2,23	2	2022	

	Bridge		Bridge	NRL LR?	NRL	Shortest Span	Total Bridge	Longest Span	Material		Method of Last Load	0	ASR/LFI peratir onnage	ng		R Legal ing Fac		KPFF	Site Visit/	
ı				L		Length	Length	Length		Last Load	Rating					Type	Туре	Group	Analysis	Notes
L				_						Rating		3	352	3-3	3	3\$2	3-3	No.	raidiysis	
	Bridge No.	ID.	Name	(Y/N)	No.	ft	ft	ft	190		(ASR / LFR / LRFR)	tons	tons	tons		4	-3.			
1			Johnson Canyon Rd	N						1995	LRFR				1.42	1.54	1.73	2	2022	
2			S. Ferguson Road	N		35	36.5			1995	ASR/LFR	67.1	108.5	132		ļ		2	2022	
3	97251	08330400	Smithson Road - Dry Creek	N		26.0	26.0			2010	LRFR				2.31	2.45	2.81	2	2022	
4		08338800	E. Masterson Rd over Teanaway River	N			150			1994	LRFR				1.95	1.63	1.63	2	2022	
5	88273	08359200	Reecer Cr. Rd over Towne Ditch	N		28.4	30			2003	ASR/LFR	46.1	67.6	89.5				2	2022	
6	5271	08360500	S. Cle Elum Rd	N		80	362			2004	ASR/LFR	57.5	80.6	92				2	2022	
7	80281	08377000	Christensen Road	N						1994	LRFR				2.42	2.54	2.98	2	2022	
8	88292	08388200	Robinson Canyon Rd over Light Ditch	N						1994	LRFR				1.41	1.52	1.72	2	2022	
9	79291	08388300	Thrall Rd over Cherry Creek	N			189			1994	LRFR				2.61	2.44	2.79	2	2022	
0	88291	08394500	Thorp Hwy over Light Ditch	N						1994	LRFR				2.88	3.04	3.58	2	2022	
1	5301	08407900	Bullfrog Rd over Cle Elum River	N			194			2004	ASR/LFR	52.5	54.7	57.6				2	2022	
2	97311	08422200	Thorp Prairie Bridge	N						1994	LRFR				2,71	2.51	2.69	2	2022	
3	88333	08443300	Damman Rd over Yakima River	N			434			1994	LRFR				4.04	2.87	2.64	2	2022	
4	88341	08456400	BNRR Crossing over Cascade Way	N						1994	LRFR				2.29	2.25	2.48	2	2022	
5			Parke Creek Rd over Hiline Canal	N						1994	LRFR				2.14	2.30	2.58	2	2022	
6	6345	08459600	Lambert Rd over Teanaway River	N			120			1994	LRFR				2.35	1.86	1.82	2	2022	
7			Vantage Hwy over Hiline Canal	N						1994	LRFR				2.23	2.42	2.68	2	2022	
8			Vantage Hwy over Cascade Canal	N		20.5	24			2003	ASR/LFR	36.9	58.3	71.7				2	2022	†
9			Yakima River Bridge	N			270			2009	ASR/LFR	-	64.4	_				2	2022	1
o			Westside Rd over Hiline Canal	N						1994	LRFR				1.80	1,59	1.71	2	2022	
1			Burke Rd Bridge Reconstruction	N						1996	ASR/LFR	48.5	64.8	77.6				2	2022	
2			Markovich Rd over Hiline Canal	N						2000	ASR/LFR	71.3		_				2	2022	İ
3			Borland Bridge	N		31.83	32.7			2002	ASR/LFR	58	84.6					2	2022	
4			Reecer Cr. Rd over Currier Creek	N		30	31.7			2003	ASR/LFR	47.6						2	2022	
5		I U	Reecer Cr. Rd over Currier Creek	N		25	26.7			2003	ASR/LFR	44.5	68.3	86.4				2	2022	
6			Reecer Cr. Rd over Currier Creek	N		30	31.7			2003	ASR/LFR	53	79.3	_				2	2022	1
7			Hungry Jct Rd over Currier Creek	N		30	31.7	-		2003	ASR/LFR	48.9	_	96.7				2	2022	†
8			Cleman Bridge	N		54.5	57.5			2004	ASR/LFR	56.9	83.4	102				2	2022	
9			Bar 14 Rd Bridge over Hiline Creek	N		3 1,13	119			2007	ASR/LFR	62.5	92.9	116				2	2022	1
0			Naneum Rd over Naneum Creek	N			55			2008	ASR/LFR	61.5	94.3	_				2	2022	
1			Charlton Rd over Naneum Creek	N			55			2009	ASR/LFR	54.5	104.0	-	-		_	2	2022	1
2			West Fork over Teanaway Rd	N			105.3			2009	ASR/LFR	78.8		_		_	-	2	2022	
+	3012	0000+300	West fork over realiaway no	<u> </u>			103.3			2003	ASTYLITE	70.0	30.0	100					EULL	
1	89301	08405900	Sanders Rd over Wilson Creek	Y	0.99					2013								3		NRL < 1.0; No SHV rating
2	87053	08033700	Thorp Cern Rd over Taneum Crk	Υ	1.98		108.3			2013								3		
3			Prater Rd over Parke Creek	Y	1,83		129			2013								3		
4			Railroad St over Yakima River	Υ	1.25	200	200											3		
5			Stevens Rd over Johnson Creek	Y	1.16		70			2013		†						3		
6			Jack Creek Culvert	Υ	1.74		22			2011								3		
7			Badger Pocket Rd Ditch	Y	1.01		25.7			2011								3		Ť
8			Cooke Can Rd over Cooke Creek	Y	1.18		51			2011								3		
9			Little Creek Bridge	Y	1.66		48			2012						-		3		

			Bridge	NRL LR?	NRL	Shortest Span	Total Bridge	Longest Span		Date of	Method of Last Load	0	ASR/LFI peratir onnage	ıg		R Legal ting Fa	Load ctors	KPFF	Site Visit/				
1				LK:		Length	Length	Length		Last Load Rating	Rating	Туре	Type 3S2	2.0	Type 3-3	0.0	Type Type 352 3-3		8.8		Group No.	Analysis	Notes
Ī	Bridge No.	ID.	Name	(Y/N)	No.	ft	ft	ft	3	Kating	(ASR / LFR / LRFR)	tons				3		1.0.					
LO	4292	08851600	Big Creek Bridge	Υ	1.95		68			2012								3					
1	79046	08873800	Towne Ditch	Υ	1.99		40			2015								3					
2	79048	08875300	KITTITAS HWY - NANEUM CR	Υ	1.14		40			2015								3					
L3	79045	08875400	Kittitas Hwy over Coleman Creek	Y	1.17		. 27			2015								3					
4	77171	08882800	Manastash Rd over NF Creek	Υ	1.42		38.5			2016								3					