County Freight and Goods System
2007 Status Report

County Freight and Goods System Summary

The Washington State Legislature has recognized that Washington State is uniquely positioned as a gateway to the global economy. Washington, as one of the most trade-dependent states per capita in the nation, is highly dependent on an efficient multimodal transportation network in order to remain competitive. The vitality of the state's economy is placed at risk by growing traffic congestion that impedes the safe and efficient movement of goods. Freight corridors that serve international and domestic interstate and intrastate trade and those freight corridors that enhance the state's competitive position through regional and global gateways are strategically important. Ownership of the freight mobility network is fragmented and spread across various public jurisdictions, private companies, and state and national borders. Transportation projects have grown in complexity and size, requiring more resources and longer implementation time frames. State investments in projects that enhance or mitigate freight movements should pay special attention to solutions that utilize a corridor solution to address freight mobility issues with important transportation and economic impacts beyond any local area.

The County Freight and Goods System (CFGS) is made up of 10,754 centerline miles of county road, 26.9% of the 39,852 total miles of county road. 9,217 miles of the CFGS are classified as arterials and collectors. This represents 85.7% of the County Freight and Goods System.

The purpose of the County Freight and Goods System Status Report is:

1. To develop criteria for determining which roads should be included in the CFGS;
2. To obtain the field data necessary to determine which roads are CFGS routes;
3. To establish the CFGS network, statewide;
4. To develop criteria to evaluate deficiencies in the CFGS;
5. To obtain a needs assessment to determine the costs to improve the CFGS to all-weather standards; and
6. To provide information on County Roads Strategic Freight Corridors.

The counties will monitor changes in their truck routes and obtain truck classification and volume information on new and existing truck routes annually. This information is used by each County to develop their priority arrays, deficiency and needs analysis, six-year programs, and annual road improvement programs. This information will also be used to provide an updated annual status report on the County Freight and Goods System, and be provided to WSDOT to update the Freight and Goods Transportation System (FGTS) inventory and to the Freight Mobility Strategic Investments Board (FMSIB) to update their Strategic Corridors inventory.

Truck Route Classes

In order to be integrated with the statewide FGTS, the CFGS uses the same method of classification as the FGTS. The current FGTS classes are based on gross annual tons of freight and goods on the route. To determine gross annual tons on each road, every county must have accurate truck volumes and classification information on its road system. All counties are obtaining the needed information as part of their annual traffic counting and classification program.

TRUCK ROUTE CLASSES

CFGS Class	FGTS Class	**Description**
T-1	T-1	Over 10 million gross tons annually.
T-2	T-2	4 to 10 million gross tons annually.
T-3	T-3	300,000 to 4 million gross tons annually.
T-4	T-4	100,000 to 300,000 gross tons annually.
T-5	T-5	Seasonal – Over 100,000 gross tons in 60 days.
T-6		Cyclical – Over 100,000 gross tons annually, but not every year.
T-7		Missing Link – Over 100,000 gross tons annually if improved.
T-8		Over 100,000 gross tons annually if Snake River drawdown occurs.

Three additional truck route classes, T-6, T-7, and T-8 have been created for the purposes of this study to allow the counties to better classify County Freight and Goods System (CFGS) routes in the future. The inclusion of T-6, T-7, and T-8 will allow these routes to be identified and properly managed. The table above shows the Truck Route Classes. Class T-1 through T-5 are the same as the current Freight and Goods Transportation System (FGTS) truck route classes established by the Transportation Commission.

T-6 is a road that has over 100,000 gross annual tons, but not in every year. These are cyclical truck routes. An example is lowland logging. Certain roads will carry many loaded trucks during the year(s) that their tributary areas are being logged, but these areas are logged only once every 10 to 25 years. During the harvest years, these roads will likely meet the criteria for a FGTS/CFGS route, but only in those years. While there may be better ways to manage these routes than reconstruction to FGTS standards (e.g., haul road agreements), this classification will provide an inventory of these routes.

T-7 is a route that would be an FGTS route but there is some problem with the road that prevents truck traffic from using it. If these problems were eliminated, the roads would become preferred truck routes with a savings of time and/or distance over currently used routes. An example of such a route comes from Spokane County: There is a road, the use of which would save trucks both time and distance, but there is an inadequate railroad crossing that prevents use of the route. If the railroad crossing were improved, trucks would use the road. Using this classification will provide a list of road improvements that would benefit the movement of freight and goods.

T-8 was created for the Lower Snake River Drawdown Study (1999), to inventory those county roads that would become an FGTS route if barge traffic were removed from the Snake River. As grain is hauled from farm or storage to the Tri-Cities or beyond rather than to the barge loading facilities on the Snake River, truck travel patterns will change. Truck Route Class T-8 will identify those routes that will likely become FGTS/CFGS routes if this happens.

COUNTY DATA COLLECTION AND ANALYSIS

Counties conduct traffic counts on a portion of their road system annually. They annually conduct volume and classification studies on many roads that are existing and/or potential truck routes. To provide the best information possible, some counties work with trucking concerns (haulers, grain co-ops, and industry representatives) to develop tonnage data.

The field data obtained provides the number of truck-by-truck classifications. The methodology developed by WSDOT, described in "Instructions for FGTS Truck Tonnage Estimation", is used to convert this information to Gross Annual Tons. The WSDOT methodology was used so that the designation of Truck Route Classes would be consistent between the state and the counties.

Counties submit an annual Roadlog Update to CRAB that includes all changes made to its road system during the year. The Roadlog contains road and usage information for all identified CFGS routes. CRAB extracts the information for each CFGS route. This information provides an inventory of the CFGS routes, and a deficiency elimination evaluation and maintenance needs evaluation for each county's system. This is the basis for the CFGS Annual Status Report.

DEFICIENCY ELIMINATION EVALUATION

Roads

One of the tasks of the Cost Responsibility Study (CRS) was to define a set of "Minimum Tolerable Conditions" (MTC) that a FGTS route must meet to be deemed 'adequate'. The MTCs were established for Roadway Width and Structural Adequacy.

1. Roadway Width is a measure of the safety and ease of operation of trucks. A narrower roadway provides operational impediments to safe and efficient operation of trucks. Pavement Width and Shoulder Width are required fields in the Roadlog, and are certified correct by the County Engineer.
2. Structural Adequacy is the ability of the pavement and base to adequately support the number of heavy loads on the road. Weeks of Weight Restriction (how many weeks in a typical average year the road is restricted to lighter loads) and Base Adequacy (an evaluation of the adequacy of the road base to support the volume of heavy trucks using the road) are not required fields. The counties were encouraged to enter correct data in these fields. However, due to data and staff limitations, some information may not be current.

A scenario approach was adopted by the CRS to produce estimates of needs under alternative sets of minimum tolerable conditions. This provides policy makers with a range of options and information on how the needs vary depending on the MTCs selected. Scenario 1 is "all weight restrictions addressed", and assumes that all FGTS segments with weight restrictions will be upgraded to all-weather roads. Scenario 2 is "some weight restrictions addressed", and assumes that minimal weight restrictions would be allowed in the lower truck route classes (T-3 thru T-5). Scenario 3 is "most severe weight restrictions addressed", and assumes moderate weight restrictions will be allowed in all truck route classes.

Deficiencies are determined by comparing the data in the Roadlog with the Minimum Tolerable Condition, established in the CRS. The total miles of the several identified improvements are determined, and cost factors used to determine the funding needed to remove the deficiencies.

The costs for improvements to ensure that minimum tolerable conditions exist were originally determined in the Road Jurisdiction Study (1988), reviewed and updated for the Cost Responsibility Study (1993), and adopted for use in the Needs Assessment Evaluation (1994). They represent standards of design and construction that existed at that time. These costs have been adjusted to 2007 dollars using WSDOT Planning and Programming Service Center, Economics Branch, implicit price deflators.

These cost estimates are conservative. The costs assume structural adequacy and adequate width. They do not include costs that are necessary for other safety improvements or upgrades to improve truck operational efficiencies, currently required environmental permitting, mitigation, and project delays or other potential restrictions. The emphasis on environmental concerns has dramatically escalated since these cost factors were developed.

Bridges

Bridge restrictions are a major impediment to truck traffic. Removing bridge restrictions can provide (1) alternate truck routes that save time and/or distance and (2) truck routes that can carry both legal and oversized/overweight permitted loads. Both result in more efficient truck travel.

Bridges are also evaluated by scenario. In Scenario 1 all bridge deficiencies will be removed (load postings, narrow widths, and vertical clearance problems). In Scenario 2, load limit and vertical clearance deficiencies will be removed. In Scenario 3, only load limit deficiencies will be removed.

The current WSDOT bridge inventory system provides counties with an automated inspection form. Each county inspects its bridges on a regular basis and submits the data to WSDOT. Analysis and management functions are performed by WSDOT.

Railroad Crossings

Railroad crossing deficiencies can impede truck traffic in several ways:

1. Steep approach grades to the crossing;
2. Sight distance restrictions;
3. Narrow and/or height restricted under crossings that constrict the free flow of traffic;
4. Lack of warning lights, gates, and other safety devices.

Washington Utilities and Transportation Commission (WUTC) and WSDOT cooperate to improve railroad crossings on a priority basis. CRAB does not have the ability to segregate the railroad crossings on the CFGS to develop an inventory, deficiency listing or a needs analysis.

MAINTENANCE NEEDS EVALUATION

The Road Jurisdiction Study (RJS) included an evaluation of annual maintenance needs. It identified a reasonable standard for road maintenance for a typical local agency and determined costs required to achieve that standard. The Cost Responsibility Study used those standards and costs to determine annual maintenance needs for the FGTS. For the Needs Assessment Study, CRAB used the RJS and CRS standards and costs to develop a maintenance needs assessment routine applicable to county roads.

This evaluation was used (with costs updated to reflect 2007 costs) to determine the estimated annual maintenance needs on the County Freight and Goods system. It must be noted that these costs are 'not unreasonable' estimates of the total statewide annual maintenance needs for counties, based on the criteria established by the RJS and CRS.

STRATEGIC FREIGHT CORRIDORS

RCW 47.06A.010 (6) defines Strategic Freight Corridors as:

"… a transportation corridor of great economic importance within an integrated freight system that:

(a) Serves international and domestic interstate and intrastate trade;
(b) Enhances the state's competitive position through regional and global gateways;
(c) Carries freight tonnages of at least:
  (i) Four million gross tons annually on state highways, city streets, and county roads;
  (ii) Five million gross tons annually on railroads; or
  (iii) Two and one-half million net tons on waterways; and
(d) Has been designated a strategic corridor by the board under RCW 47.06A.020 (3). However, new alignments to, realignments of, and new links to strategic corridors that enhance freight movement may qualify, even though no tonnage data exists for facilities to be built in the future."

Two hundred ten (210) miles of county roads, in 14 counties, have been classified as Strategic Freight Corridors. These are the routes that are classified Truck Route Class T-1 and T-2.

Strategic Freight Corridors are eligible for Freight Mobility Strategic Investment Board (FMSIB) funding. However, the FMSIB funding rating method is based on reduction of congestion, measured by delay. A review of the "Freight Mobility Strategic Investment Board – 2006 Activities and Recommendations Report" indicates that their current priorities are improvements at railroad crossings, which reduce congestion and delay of both trucks and trains.

County Freight and Goods System
2007 Status Report

Appendix 1: CFGS Mileages by County

County Freight and Goods System **Mileage Summaries**

		Total Miles			Percent of System		Function Class - FGTS			Rural/Urban - FGTS		County
County	County Name	All Roads	CFGS	FGTS	CFGS	FGTS	Arterial	Collector	Access	Rural	Urban	Arterials
1	Adams	1,774.76	583.35	583.35	32.9%	32.9%	0.00	495.83	87.52	583.35	0.00	495.83
2	Asotin	401.82	57.47	43.13	14.3%	10.7%	9.55	33.58	0.00	32.32	10.81	43.13
3	Benton	877.56	327.78	327.78	37.4%	37.4%	0.00	282.13	45.65	311.31	16.47	282.13
4	Chelan	665.64	124.86	124.86	18.8%	18.8%	7.54	99.41	17.91	112.94	11.92	106.95
5	Clallam	485.48	143.13	143.13	29.5%	29.5%	3.54	87.58	52.01	139.01	4.12	91.12
6	Clark	1,131.70	176.11	176.11	15.6%	15.6%	58.95	114.90	2.26	86.99	89.12	173.85
7	Columbia	503.34	206.44	206.44	41.0%	41.0%	0.00	184.91	21.52	206.44	0.00	184.91
8	Cowlitz	535.05	140.30	140.30	26.2%	26.2%	3.60	118.82	17.88	130.08	10.22	122.42
9	Douglas	1,636.84	262.01	262.01	16.0%	16.0%	8.59	238.02	15.40	246.87	15.14	246.61
10	Ferry	738.94	239.74	224.46	32.4%	30.4%	0.00	194.36	30.10	224.46	0.00	194.36
11	Franklin	988.25	518.05	518.05	52.4%	52.4%	2.08	330.39	185.58	515.15	2.90	332.47
12	Garfield	447.10	135.88	135.88	30.4%	30.4%	0.00	134.52	1.36	135.88	0.00	134.52
13	Grant	2,529.09	857.37	857.37	33.9%	33.9%	13.18	655.11	189.08	845.51	11.86	668.29
14	Grays Harbor	552.20	219.76	219.76	39.8%	39.8%	0.57	184.72	34.47	219.19	0.57	185.29
15	Island	583.92	42.62	42.62	7.3%	7.3%	4.35	34.96	3.31	37.87	4.75	39.31
16	Jefferson	396.12	151.69	139.72	38.3%	35.3%	0.00	113.84	25.88	136.24	3.48	113.84
17	King	1,848.75	460.23	460.23	24.9%	24.9%	178.48	250.04	31.71	227.00	233.23	428.52
18	Kitsap	933.30	42.27	42.27	4.5%	4.5%	17.39	21.09	3.79	21.23	21.04	38.48
19	Kittitas	564.87	309.64	309.64	54.8%	54.8%	1.39	295.73	12.52	305.61	4.04	297.12
20	Klickitat	1,084.33	310.89	286.05	28.7%	26.4%	0.00	270.44	15.61	286.05	0.00	270.44
21	Lewis	1,050.74	421.21	392.69	40.1%	37.4%	10.79	234.36	147.54	373.72	18.98	245.15
22	Lincoln	1,992.44	253.26	251.17	12.7%	12.6%	0.00	239.90	11.26	251.17	0.00	239.90
23	Mason	622.40	131.42	123.49	21.1%	19.8%	1.24	119.75	2.50	122.21	1.28	120.99
24	Okanogan	1,388.18	399.62	399.62	28.8%	28.8%	0.00	337.96	61.66	399.62	0.00	337.96
25	Pacific	349.81	135.11	135.11	38.6%	38.6%	0.00	85.70	49.41	135.11	0.00	85.70
26	Pend Oreille	550.03	235.91	225.69	42.9%	41.0%	0.00	173.11	52.57	225.69	0.00	173.11
27	Pierce	1,550.66	307.16	297.33	19.8%	19.2%	224.37	58.98	13.98	99.63	197.70	283.35
28	San Juan	270.85	88.78	88.78	32.8%	32.8%	0.00	74.07	14.72	88.78	0.00	74.07
29	Skagit	795.61	237.10	237.10	29.8%	29.8%	24.56	207.76	4.78	204.12	32.98	232.32
30	Skamania	240.88	84.16	81.64	34.9%	33.9%	0.00	74.81	6.83	81.64	0.00	74.81
31	Snohomish	1,657.17	534.60	534.09	32.3%	32.2%	87.67	328.97	117.45	287.05	247.04	416.64
32	Spokane	2,529.58	709.74	709.74	28.1%	28.1%	71.50	524.49	113.75	627.30	82.44	595.99
33	Stevens	1,491.26	335.38	335.38	22.5%	22.5%	0.00	324.20	11.18	335.38	0.00	324.20
34	Thurston	1,039.86	207.11	207.07	19.9%	19.9%	48.94	141.04	17.09	164.57	42.50	189.98
35	Wahkiakum	143.57	25.50	25.50	17.8%	17.8%	0.00	25.50	0.00	25.50	0.00	25.50
36	Walla Walla	963.18	359.45	359.45	37.3%	37.3%	10.90	346.83	1.72	343.64	15.81	357.73
37	Whatcom	954.53	203.79	203.79	21.3%	21.3%	21.28	166.03	16.48	174.25	29.54	187.31
38	Whitman	1,912.34	299.71	293.97	15.7%	15.4%	0.00	280.73	13.24	293.97	0.00	280.73
39	Yakima	1,670.09	609.06	609.06	36.5%	36.5%	41.26	480.60	87.20	549.19	59.87	521.86
	Total Miles	39,852.21	10,887.64	10,753.81	27.3%	27.0%	851.71	8,365.17	1,536.93	9,586.02	1,167.79	9,216.88

County Roadlog Certified 1/1/2007 Centerline Miles of Road

County Freight and Goods System **Mileage by Truck Route Class**

		Total Miles		Truck Route Class							
County	County Name	CFGS	FGTS	T-1	T-2	T-3	T-4	T-5	T-6	T-7	T-8
1	Adams	583.35	583.35	0.00	0.53	31.58	346.75	204.49	0.00	0.00	0.00
2	Asotin	57.47	43.13	0.00	0.15	23.00	19.98	0.00	14.34	0.00	0.00
3	Benton	327.78	327.78	0.00	0.00	116.75	126.87	84.16	0.00	0.00	0.00
4	Chelan	124.86	124.86	0.00	0.00	33.62	39.62	51.62	0.00	0.00	0.00
5	Clallam	143.13	143.13	0.00	0.00	34.40	98.74	9.99	0.00	0.00	0.00
6	Clark	176.11	176.11	3.87	14.92	141.65	15.67	0.00	0.00	0.00	0.00
7	Columbia	206.44	206.44	0.00	0.00	10.30	49.06	147.07	0.00	0.00	0.00
8	Cowlitz	140.30	140.30	0.00	0.00	79.73	57.57	3.00	0.00	0.00	0.00
9	Douglas	262.01	262.01	0.00	0.00	7.16	83.59	171.26	0.00	0.00	0.00
10	Ferry	239.74	224.46	0.00	0.00	108.86	115.60	0.00	0.00	15.28	0.00
11	Franklin	518.05	518.05	0.00	0.00	103.74	162.11	252.20	0.00	0.00	0.00
12	Garfield	135.88	135.88	0.00	0.00	0.00	10.13	125.75	0.00	0.00	0.00
13	Grant	857.37	857.37	0.00	10.46	273.68	263.24	310.00	0.00	0.00	0.00
14	Grays Harbor	219.76	219.76	0.00	1.03	211.60	7.13	0.00	0.00	0.00	0.00
15	Island	42.62	42.62	0.00	0.00	14.88	27.37	0.37	0.00	0.00	0.00
16	Jefferson	151.69	139.72	0.00	0.00	40.81	33.16	65.75	11.97	0.00	0.00
17	King	460.23	460.23	23.78	30.36	291.88	114.21	0.00	0.00	0.00	0.00
18	Kitsap	42.27	42.27	2.94	5.42	30.05	3.87	0.00	0.00	0.00	0.00
19	Kittitas	309.64	309.64	0.00	9.86	239.01	56.58	4.20	0.00	0.00	0.00
20	Klickitat	310.89	286.05	0.00	0.00	174.68	111.37	0.00	24.84	0.00	0.00
21	Lewis	421.21	392.69	0.00	0.00	138.38	205.63	48.68	28.51	0.00	0.00
22	Lincoln	253.26	251.17	0.00	0.00	99.49	57.12	94.56	0.00	2.09	0.00
23	Mason	131.42	123.49	0.00	0.00	40.12	81.91	1.46	7.93	0.00	0.00
24	Okanogan	399.62	399.62	0.00	0.00	98.60	119.02	182.01	0.00	0.00	0.00
25	Pacific	135.11	135.11	0.00	0.00	0.00	135.11	0.00	0.00	0.00	0.00
26	Pend Oreille	235.91	225.69	0.00	0.00	38.39	125.09	62.21	9.44	0.79	0.00
27	Pierce	307.16	297.33	6.56	16.90	236.95	29.22	7.70	0.00	9.83	0.00
28	San Juan	88.78	88.78	0.00	0.00	23.92	64.86	0.00	0.00	0.00	0.00
29	Skagit	237.10	237.10	0.00	22.74	207.41	6.96	0.00	0.00	0.00	0.00
30	Skamania	84.16	81.64	0.00	0.00	22.92	58.73	0.00	0.00	2.52	0.00
31	Snohomish	534.60	534.09	4.64	7.75	350.23	113.01	58.47	0.51	0.00	0.00
32	Spokane	709.74	709.74	5.69	32.72	455.15	106.90	109.28	0.00	0.00	0.00
33	Stevens	335.38	335.38	0.00	0.00	151.03	147.60	36.75	0.00	0.00	0.00
34	Thurston	207.11	207.07	0.00	1.14	168.28	33.51	4.13	0.00	0.04	0.00
35	Wahkiakum	25.50	25.50	0.00	0.00	12.00	2.67	10.83	0.00	0.00	0.00
36	Walla Walla	359.45	359.45	0.00	0.00	71.81	287.64	0.00	0.00	0.00	0.00
37	Whatcom	203.79	203.79	0.00	0.00	109.80	93.99	0.00	0.00	0.00	0.00
38	Whitman	299.71	293.97	0.00	0.00	3.29	37.97	252.71	0.00	0.00	5.74
39	Yakima	609.06	609.06	0.00	8.66	391.30	139.46	69.64	0.00	0.00	0.00
	Total Miles	10,887.64	10,753.81	47.47	162.64	4,586.43	3,589.00	2,368.28	97.54	30.55	5.74

County Roadlog Certified 1/1/2007 Centerline Miles of Road

County Freight and Goods System — **FGTS Mileage by Functional Class**

		Total Miles	Arterial Miles		Collector Miles		Access Miles		Total Miles	
County	**County Name**	**FGTS**	**Rural**	**Urban**	**Rural**	**Urban**	**Rural**	**Urban**	**Rural**	**Urban**
1	Adams	583.35	0.00	0.00	495.83	0.00	87.52	0.00	583.35	0.00
2	Asotin	43.13	0.00	9.55	32.32	1.26	0.00	0.00	32.32	10.81
3	Benton	327.78	0.00	0.00	265.66	16.47	45.65	0.00	311.31	16.47
4	Chelan	124.86	0.00	7.54	95.76	3.65	17.18	0.73	112.94	11.92
5	Clallam	143.13	0.00	3.54	87.58	0.00	51.43	0.58	139.01	4.12
6	Clark	176.11	0.00	58.95	84.73	30.17	2.26	0.00	86.99	89.12
7	Columbia	206.44	0.00	0.00	184.91	0.00	21.52	0.00	206.44	0.00
8	Cowlitz	140.30	0.20	3.40	113.14	5.68	16.74	1.14	130.08	10.22
9	Douglas	262.01	0.00	8.59	231.64	6.38	15.23	0.17	246.87	15.14
10	Ferry	224.46	0.00	0.00	194.36	0.00	30.10	0.00	224.46	0.00
11	Franklin	518.05	0.00	2.08	329.57	0.82	185.58	0.00	515.15	2.90
12	Garfield	135.88	0.00	0.00	134.52	0.00	1.36	0.00	135.88	0.00
13	Grant	857.37	4.37	8.81	653.19	1.92	187.95	1.13	845.51	11.86
14	Grays Harbor	219.76	0.00	0.57	184.72	0.00	34.47	0.00	219.19	0.57
15	Island	42.62	0.00	4.35	34.96	0.00	2.91	0.40	37.87	4.75
16	Jefferson	139.72	0.00	0.00	113.42	0.42	22.82	3.06	136.24	3.48
17	King	460.23	36.80	141.68	171.11	78.93	19.09	12.62	227.00	233.23
18	Kitsap	42.27	0.00	17.39	19.77	1.32	1.46	2.33	21.23	21.04
19	Kittitas	309.64	0.25	1.14	292.84	2.90	12.52	0.00	305.61	4.04
20	Klickitat	286.05	0.00	0.00	270.44	0.00	15.61	0.00	286.05	0.00
21	Lewis	392.69	0.00	10.79	232.33	2.03	141.38	6.16	373.72	18.98
22	Lincoln	251.17	0.00	0.00	239.90	0.00	11.26	0.00	251.17	0.00
23	Mason	123.49	0.00	1.24	119.75	0.00	2.46	0.04	122.21	1.28
24	Okanogan	399.62	0.00	0.00	337.96	0.00	61.66	0.00	399.62	0.00
25	Pacific	135.11	0.00	0.00	85.70	0.00	49.41	0.00	135.11	0.00
26	Pend Oreille	225.69	0.00	0.00	173.11	0.00	52.57	0.00	225.69	0.00
27	Pierce	297.33	50.26	174.11	39.03	19.95	10.34	3.64	99.63	197.70
28	San Juan	88.78	0.00	0.00	74.07	0.00	14.72	0.00	88.78	0.00
29	Skagit	237.10	0.00	24.56	201.10	6.66	3.02	1.76	204.12	32.98
30	Skamania	81.64	0.00	0.00	74.81	0.00	6.83	0.00	81.64	0.00
31	Snohomish	534.09	0.00	87.67	240.64	88.33	46.41	71.04	287.05	247.04
32	Spokane	709.74	6.90	64.60	510.75	13.74	109.65	4.10	627.30	82.44
33	Stevens	335.38	0.00	0.00	324.20	0.00	11.18	0.00	335.38	0.00
34	Thurston	207.07	8.90	40.04	139.08	1.96	16.59	0.50	164.57	42.50
35	Wahkiakum	25.50	0.00	0.00	25.50	0.00	0.00	0.00	25.50	0.00
36	Walla Walla	359.45	0.00	10.90	343.64	3.19	0.00	1.72	343.64	15.81
37	Whatcom	203.79	0.00	21.28	157.77	8.26	16.48	0.00	174.25	29.54
38	Whitman	293.97	0.00	0.00	280.73	0.00	13.24	0.00	293.97	0.00
39	Yakima	609.06	0.00	41.26	465.67	14.93	83.52	3.68	549.19	59.87
	Total Miles	10,753.81	107.68	744.03	8,056.21	308.96	1,422.13	114.80	9,586.02	1,167.79

County Roadlog Certified 1/1/2007 — Centerline Miles of Road

County Freight and Goods System
2007 Status Report

Appendix 2: System Deficiencies

Deficient Miles and Costs to Correct Deficiencies – Arranged by County

Scenario 1 – All Weather Road
Scenario 2 – Minimal Road Restrictions
Scenario 3 – Moderate Road Restrictions

COUNTY FREIGHT AND GOODS SYSTEM 2007 STATUS REPORT

Freight and Goods Transportation System (FGTS) Deficiency Summary

Deficient Mileage Summary

	CRS Scenario	Total C/ L Miles FGTS	Total C/ L Miles Adequate	Deficient Centerline Miles: Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	**Total Mi. Inadequate**	**% Adequate**
1	All Weather	10,753.81	3,368.97	714.75	44.46	142.10	1,214.82	5,268.70	**7,384.84**	**31.0%**
2	Minimal Rest.	10,753.81	4,172.53	714.75	44.46	189.26	1,499.53	4,133.27	**6,581.28**	**39.0%**
3	Moderate Rest	10,753.81	4,586.42	714.75	44.46	198.53	1,842.98	3,366.67	**6,167.40**	**44.0%**

County Roadlog Certified 1/1/2007 — Centerline Miles of Road

Cost Estimate to Remove CRS Deficiencies

	CRS Scenario	Total C/ L Miles FGTS	Total C/ L Miles Adequate	Costs To Improve/Remove Deficiencies: Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Bridge Restrictions	**Total Costs**
1	All Weather	10,753.81	3,368.97	391,170	24,350	46,009	366,350	3,062,733	22,362	**3,912,974**
2	Minimal Rest.	10,753.81	4,172.53	391,170	24,350	60,545	443,330	2,369,480	10,373	**3,299,248**
3	Moderate Rest	10,753.81	4,586.42	391,170	24,350	63,501	534,220	1,915,371	10,323	**2,938,935**

County Roadlog Certified 1/1/2007 — All Costs in 2007 $1,000's

Total Estimated Needs to Correct Deficiencies

All Weather FGTS	**$3,912,974,000**	**$3.920 Billion**
Minimal Restrictions	**$3,299,248,000**	**$3.300 Billion**
Moderate Restrictions	**$2,938,935,000**	**$2.940 Billion**

Cost Responsibility Study Improvement Descriptions

Improvement Strategy "J" - Improve Gravel Road Base

If an unpaved road with ADT less than 250 has inadequate base, width, or surface type, the road will be reconstructed to a gravel road with adequate base and current design standard width.

Improvement Strategy "K" - Base Improvement to Existing Paved Road

If a road is not structurally adequate (base inadequate or too many weeks of weight restrictions), the road is reconstructed to a paved all weather road meeting current design standards.

Improvement Strategy "M" - Resurfacing with Minor Widening

If the lane width is less than the MTC, the existing lanes will be widened to current design standards, adequate shoulders installed, and the existing pavement resurfaced.

Improvement Strategy "N" - Resurfacing with Shoulder Improvements

If the pavement width is adequate but the shoulders are too narrow, the shoulders are improved to current design standards, and resurfacing the existing pavement

Improvement Strategy "V" - Paving an Unpaved Road

If an unpaved road has an ADT greater than 250, it will be reconstructed to a paved road with an adequate base and current design standard width lanes and shoulders.

All projects undertaken will comply with current road improvement requirements and practices and include:

Identifying and mitigating safety concerns
Identifying and mitigating environmental concerns
Minor alignment improvements (horizontal and vertical)
Truck operational enhancements (e.g.: turning lanes, adequate turning radii)

WASHINGTON COUNTIES
COUNTY FREIGHT AND GOODS SYSTEM
NEEDS ANALYSIS

Cost Responsibility Study Improvement Descriptions

IMPROVEMENT CATEGORIES

J	**Improve Gravel**	If an unpaved road with ADT less than 250 is deficient, the road will be reconstructed to an adequate gravel road.
K	**Improve Base**	If a road is not structurally adequate, the road is reconstructed to an all weather road.
M	**Minor Widening**	If the lane width is less than the MTC, the existing lanes will be widened and adequate shoulders installed.
N	**Improve Shoulders**	If the lane width is adequate but the shoulders are inadequate, adequate shoulders will be installed.
V	**Pave Unpaved**	If an unpaved road has an ADT greater than 250 is inadequate, it will be reconstructed to an adequate paved road.

All projects undertaken will comply with current road improvement requirements and practices and include:
Identifing and mitigating safety concerns
Identifing and mitigating ervironmental concerns
Include minor alignment improvements (horizontal and vertical)
Include truck operational enhancements (e.g.: turning lanes, adequate turning radii)

2007 IMPROVEMENT PROJECT COSTS (in $1,000 per centerline mile)

Function Class	J	K	M	N	V
02	608	1,065	691	579	652
06	608	740	460	387	652
07	608	564	321	265	652
08	608	554	297	241	648
09	486	394	175	138	467
12	886	1,581	1,070	865	976
14	886	1,394	846	594	976
16	886	1,168	640	483	976
17	886	864	476	376	976
19	810	832	316	237	811

All costs in 2007 $1,000's

GENERAL NOTES:

- Cost data and Improvement Categories obtained from the 1999 Washington Transportation Needs Assessment Program (WTNAP) and 1994 Cost Responsibility Study (CRS), Task B, Appendix A, Pages 24-46 (based on 1988 Road Jurisdiction Study (RJS)).
- Washington Transportation Needs Assessment Program (WTNAP) was derived from data based on '94 CRS and '88 RJS.
- FGTS Classes, mileages, and conditions from County Roadlog Certified 1/1/07.
- Costs Updated to 2007 by WSDOT Implicit Price Deflate (RF0706).
- Two lane road with average width deficiency of 3.5 feet used to estimate widening costs, from Rural Arterial Width Deficiency Analysis, 1998.
- Cost Estimates are estimates based on criteria established in the RJS and CRS, and do not reflect current design standards, environmental requirements, right-of-way costs, and political realities.

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies - FGTS Routes

CRS Scenario 1 - All Weather Roads

	County Name	Total C/L Miles		C/L Miles of Deficiency						
		FGTS	Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Inadequate	% Adeq.
1	Adams	583.35	164.05	118.44	0.00	0.00	13.09	287.77	419.30	28%
2	Asotin	43.13	23.24	0.00	4.33	0.01	15.41	0.14	19.89	54%
3	Benton	327.78	60.88	43.41	0.01	0.00	23.50	199.98	266.90	19%
4	Chelan	124.86	9.23	0.00	0.00	0.00	1.18	114.45	115.63	7%
5	Clallam	143.13	0.00	0.00	0.00	0.00	0.00	143.13	143.13	0%
6	Clark	176.11	115.54	0.00	0.00	3.80	56.77	0.00	60.57	66%
7	Columbia	206.44	5.09	76.18	0.00	0.00	6.11	119.05	201.35	2%
8	Cowlitz	140.30	76.72	0.00	0.00	8.40	55.18	0.00	63.58	55%
9	Douglas	262.01	4.77	35.40	3.86	0.00	0.69	217.29	257.24	2%
10	Ferry	224.46	10.36	41.19	0.00	0.00	2.20	170.71	214.10	5%
11	Franklin	518.05	178.90	68.18	1.32	0.00	1.80	267.85	339.15	35%
12	Garfield	135.88	67.93	8.57	0.00	0.29	59.09	0.00	67.95	50%
13	Grant	857.37	10.01	57.98	2.18	0.00	28.39	758.81	847.36	1%
14	Grays Harbor	219.76	187.98	1.37	1.07	17.99	11.35	0.00	31.78	86%
15	Island	42.62	23.93	0.00	0.00	0.00	18.70	0.00	18.70	56%
16	Jefferson	139.72	106.70	3.35	0.00	4.58	1.46	23.63	33.02	76%
17	King	460.23	328.03	0.00	7.16	4.22	120.72	0.11	132.20	71%
18	Kitsap	42.27	0.93	0.00	0.00	0.00	0.00	41.35	41.35	2%
19	Kittitas	309.64	107.03	0.08	0.00	8.85	193.68	0.00	202.61	35%
20	Klickitat	286.05	14.39	0.00	3.72	0.00	3.08	264.86	271.66	5%
21	Lewis	392.69	119.97	0.00	1.75	0.89	106.84	163.24	272.72	31%
22	Lincoln	251.17	0.19	46.37	0.00	0.00	0.25	204.36	250.98	0%
23	Mason	123.49	2.06	0.00	0.00	0.00	0.00	121.43	121.43	2%
24	Okanogan	399.62	10.95	71.43	0.00	0.00	0.00	317.25	388.68	3%
25	Pacific	135.11	34.41	13.27	1.66	3.25	3.28	79.24	100.70	25%
26	Pend Oreille	225.69	12.90	8.97	1.85	0.00	0.00	201.97	212.79	6%
27	Pierce	297.33	31.74	0.00	0.00	9.03	4.85	251.71	265.59	11%
28	San Juan	88.78	34.16	0.00	0.23	0.89	53.51	0.00	54.63	38%
29	Skagit	237.10	107.68	0.00	0.00	0.68	1.42	127.33	129.43	45%
30	Skamania	81.64	66.91	0.00	0.53	0.00	14.20	0.00	14.73	82%
31	Snohomish	534.09	298.34	0.00	0.06	28.57	207.12	0.00	235.75	56%
32	Spokane	709.74	440.38	46.10	5.99	39.43	177.84	0.00	269.36	62%
33	Stevens	335.38	10.93	3.50	0.00	0.00	8.93	312.02	324.45	3%
34	Thurston	207.07	22.43	2.76	0.00	0.00	0.86	181.02	184.64	11%
35	Wahkiakum	25.50	9.87	0.00	1.92	0.00	13.71	0.00	15.63	39%
36	Walla Walla	359.45	4.42	28.47	0.00	0.17	0.00	326.38	355.03	1%
37	Whatcom	203.79	71.82	0.00	0.11	0.00	1.46	130.40	131.97	35%
38	Whitman	293.97	36.60	14.13	0.00	0.00	0.00	243.24	257.37	12%
39	Yakima	609.06	557.52	25.60	6.72	11.06	8.16	0.00	51.54	92%
	Total	10,753.81	3,368.97	714.75	44.46	142.10	1,214.82	5,268.70	7,384.84	31%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies - FGTS Routes

CRS Scenario 1 - All Weather Roads

				Cost to Improve Deficiency					
	County	Total C/L Miles		Improve	Pave	Minor	Shoulder	Improve	Total
	Name	FGTS	Adequate	Gravel	Unpaved	Widening	Improv.	Base	Cost
1	Adams	583.35	164.05	747	0	0	3,376	156,073	160,196
2	Asotin	43.13	23.24	0	2,823	3	5,530	119	8,475
3	Benton	327.78	60.88	24,984	6	0	6,294	111,063	142,346
4	Chelan	124.86	9.23	0	0	0	481	65,445	65,926
5	Clallam	143.13	0.00	0	0	0	0	73,895	73,895
6	Clark	176.11	115.54	0	0	1,391	23,503	0	24,894
7	Columbia	206.44	5.09	43,802	0	0	1,619	66,658	112,080
8	Cowlitz	140.30	76.72	0	0	2,504	14,780	0	17,284
9	Douglas	262.01	4.77	20,778	2,510	0	166	127,772	151,226
10	Ferry	224.46	10.36	21,401	0	0	530	95,658	117,589
11	Franklin	518.05	178.90	33,135	616	0	568	148,822	183,142
12	Garfield	135.88	67.93	5,211	0	93	15,545	0	20,848
13	Grant	857.37	10.01	29,186	1,143	0	9,357	406,102	445,787
14	Grays Harbor	219.76	187.98	667	621	4,642	2,834	0	8,764
15	Island	42.62	23.93	0	0	0	5,233	0	5,233
16	Jefferson	139.72	106.70	1,628	0	849	355	12,283	15,115
17	King	460.23	328.03	0	3,344	2,319	47,534	92	53,288
18	Kitsap	42.27	0.93	0	0	0	0	35,811	35,811
19	Kittitas	309.64	107.03	39	0	2,412	47,438	0	49,888
20	Klickitat	286.05	14.39	0	1,737	0	791	146,806	149,334
21	Lewis	392.69	119.97	0	817	156	29,304	78,036	108,314
22	Lincoln	251.17	0.19	27,050	0	0	66	114,474	141,590
23	Mason	123.49	2.06	0	0	0	0	68,516	68,516
24	Okanogan	399.62	10.95	40,050	0	0	0	173,192	213,243
25	Pacific	135.11	34.41	7,556	775	660	856	40,583	50,431
26	Pend Oreille	225.69	12.90	5,238	1,206	0	0	106,771	113,215
27	Pierce	297.33	31.74	0	0	2,505	1,927	259,129	263,560
28	San Juan	88.78	34.16	0	107	209	13,667	0	13,984
29	Skagit	237.10	107.68	0	0	403	534	77,218	78,155
30	Skamania	81.64	66.91	0	248	0	3,595	0	3,842
31	Snohomish	534.09	298.34	0	39	10,035	66,871	0	76,945
32	Spokane	709.74	440.38	24,310	3,162	13,952	53,011	0	94,435
33	Stevens	335.38	10.93	2,077	0	0	2,366	174,582	179,025
34	Thurston	207.07	22.43	1,342	0	0	508	119,977	121,827
35	Wahkiakum	25.50	9.87	0	1,244	0	3,592	0	4,836
36	Walla Walla	359.45	4.42	17,312	0	50	0	191,501	208,863
37	Whatcom	203.79	71.82	0	51	0	694	75,707	76,453
38	Whitman	293.97	36.60	7,474	0	0	0	136,449	143,922
39	Yakima	609.06	557.52	12,933	3,898	3,824	3,426	0	24,082
	Total	10,753.81	3,368.97	326,919	24,350	46,009	366,350	3,062,733	3,826,362

County Roadlog Certified 1-1-2007

All Costs in 2007 $1,000's

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies - FGTS Routes

CRS Scenario 2 - Minimal Road Restrictions

				C/L Miles of Deficiency						
	County	Total C/L Miles		Improve	Pave	Minor	Shoulder	Improve	Total	%
	Name	FGTS	Adequate	Gravel	Unpaved	Widening	Improv.	Base	Inadequate	Adeq.
1	Adams	583.35	164.05	118.44	0.00	0.00	13.09	287.77	419.30	28%
2	Asotin	43.13	23.24	0.00	4.33	0.01	15.41	0.14	19.89	54%
3	Benton	327.78	69.60	43.41	0.01	0.00	30.88	183.89	258.18	21%
4	Chelan	124.86	28.20	0.00	0.00	15.67	3.38	77.61	96.66	23%
5	Clallam	143.13	65.78	0.00	0.00	10.55	45.74	21.06	77.35	46%
6	Clark	176.11	115.54	0.00	0.00	3.80	56.77	0.00	60.57	66%
7	Columbia	206.44	35.52	76.18	0.00	0.00	7.34	87.40	170.92	17%
8	Cowlitz	140.30	76.72	0.00	0.00	8.40	55.18	0.00	63.58	55%
9	Douglas	262.01	137.61	35.40	3.86	0.00	7.36	77.78	124.40	53%
10	Ferry	224.46	10.36	41.19	0.00	0.00	2.20	170.71	214.10	5%
11	Franklin	518.05	257.53	68.18	1.32	5.43	4.98	180.61	260.52	50%
12	Garfield	135.88	67.93	8.57	0.00	0.29	59.09	0.00	67.95	50%
13	Grant	857.37	18.19	57.98	2.18	0.00	74.35	704.67	839.18	2%
14	Grays Harb	219.76	187.98	1.37	1.07	17.99	11.35	0.00	31.78	86%
15	Island	42.62	23.93	0.00	0.00	0.00	18.70	0.00	18.70	56%
16	Jefferson	139.72	119.26	3.35	0.00	6.07	2.07	8.97	20.46	85%
17	King	460.23	328.03	0.00	7.16	4.22	120.72	0.11	132.20	71%
18	Kitsap	42.27	31.04	0.00	0.00	0.32	2.56	8.35	11.23	73%
19	Kittitas	309.64	107.03	0.08	0.00	8.85	193.68	0.00	202.61	35%
20	Klickitat	286.05	23.19	0.00	3.72	0.00	71.24	187.90	262.86	8%
21	Lewis	392.69	219.42	0.00	1.75	2.56	144.64	24.33	173.27	56%
22	Lincoln	251.17	6.21	46.37	0.00	0.00	43.48	155.11	244.96	2%
23	Mason	123.49	9.52	0.00	0.00	0.00	0.00	113.97	113.97	8%
24	Okanogan	399.62	74.97	71.43	0.00	1.25	0.00	251.97	324.66	19%
25	Pacific	135.11	36.94	13.27	1.66	4.48	6.45	72.31	98.17	27%
26	Pend Oreil	225.69	12.90	8.97	1.85	0.00	0.00	201.97	212.79	6%
27	Pierce	297.33	143.67	0.00	0.00	17.34	15.97	120.35	153.66	48%
28	San Juan	88.78	34.16	0.00	0.23	0.89	53.51	0.00	54.63	38%
29	Skagit	237.10	107.68	0.00	0.00	0.68	1.42	127.33	129.43	45%
30	Skamania	81.64	66.91	0.00	0.53	0.00	14.20	0.00	14.73	82%
31	Snohomish	534.09	298.34	0.00	0.06	28.57	207.12	0.00	235.75	56%
32	Spokane	709.74	440.38	46.10	5.99	39.43	177.84	0.00	269.36	62%
33	Stevens	335.38	38.09	3.50	0.00	0.00	13.39	280.40	297.29	11%
34	Thurston	207.07	23.82	2.76	0.00	0.00	0.86	179.63	183.24	12%
35	Wahkiakur	25.50	9.87	0.00	1.92	0.00	13.71	0.00	15.63	39%
36	Walla Wall	359.45	93.00	28.47	0.00	1.41	1.25	235.31	266.45	26%
37	Whatcom	203.79	71.82	0.00	0.11	0.00	1.46	130.40	131.97	35%
38	Whitman	293.97	36.60	14.13	0.00	0.00	0.00	243.24	257.37	12%
39	Yakima	609.06	557.52	25.60	6.72	11.06	8.16	0.00	51.54	92%
	Total	10,753.81	4,172.53	714.75	44.46	189.26	1,499.53	4,133.27	6,581.28	39%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies - FGTS Routes

CRS Scenario 2 - Minimal Road Restrictions

				Cost to Improve Deficiency					
County		Total C/L Miles		Improve	Pave	Minor	Shoulder	Improve	Total
	Name	FGTS	Adequate	Gravel	Unpaved	Widening	Improv.	Base	Cost
1	Adams	583.35	164.05	64,998	0	0	3,376	156,073	224,447
2	Asotin	43.13	23.24	0	2,823	3	5,530	119	8,475
3	Benton	327.78	69.60	24,984	6	0	8,171	102,126	135,287
4	Chelan	124.86	28.20	0	0	4,003	1,117	44,847	49,967
5	Clallam	143.13	65.78	0	0	2,242	12,354	11,878	26,474
6	Clark	176.11	115.54	0	0	1,391	23,503	0	24,894
7	Columbia	206.44	35.52	43,802	0	0	1,927	48,972	94,701
8	Cowlitz	140.30	76.72	0	0	2,504	14,780	0	17,284
9	Douglas	262.01	137.61	20,778	2,510	0	1,895	48,547	73,730
10	Ferry	224.46	10.36	21,401	0	0	530	95,658	117,589
11	Franklin	518.05	257.53	33,135	616	1,677	1,357	100,961	137,747
12	Garfield	135.88	67.93	5,211	0	93	15,545	0	20,848
13	Grant	857.37	18.19	29,186	1,143	0	20,742	377,042	428,112
14	Grays Harbor	219.76	187.98	667	621	4,642	2,834	0	8,764
15	Island	42.62	23.93	0	0	0	5,233	0	5,233
16	Jefferson	139.72	119.26	1,628	0	1,267	502	5,059	8,456
17	King	460.23	328.03	0	3,344	2,319	47,534	92	53,288
18	Kitsap	42.27	31.04	0	0	101	1,066	10,727	11,894
19	Kittitas	309.64	107.03	39	0	2,412	47,438	0	49,888
20	Klickitat	286.05	23.19	0	1,737	0	18,568	103,774	124,079
21	Lewis	392.69	219.42	0	817	448	38,592	13,022	52,879
22	Lincoln	251.17	6.21	27,050	0	0	11,330	86,810	125,190
23	Mason	123.49	9.52	0	0	0	0	64,308	64,308
24	Okanogan	399.62	74.97	40,050	0	219	0	139,588	179,857
25	Pacific	135.11	36.94	7,556	775	876	1,680	37,020	47,906
26	Pend Oreille	225.69	12.90	5,238	1,206	0	0	106,771	113,215
27	Pierce	297.33	143.67	0	0	7,484	7,949	117,349	132,782
28	San Juan	88.78	34.16	0	107	209	13,667	0	13,984
29	Skagit	237.10	107.68	0	0	403	534	77,218	78,155
30	Skamania	81.64	66.91	0	248	0	3,595	0	3,842
31	Snohomish	534.09	298.34	0	39	10,035	66,871	0	76,945
32	Spokane	709.74	440.38	24,310	3,162	13,952	53,011	0	94,435
33	Stevens	335.38	38.09	2,077	0	0	3,548	156,795	162,420
34	Thurston	207.07	23.82	1,342	0	0	508	118,580	120,430
35	Wahkiakum	25.50	9.87	0	1,244	0	3,592	0	4,836
36	Walla Walla	359.45	93.00	17,312	0	441	332	133,986	152,072
37	Whatcom	203.79	71.82	0	51	0	694	75,707	76,453
38	Whitman	293.97	36.60	7,474	0	0	0	136,449	143,922
39	Yakima	609.06	557.52	12,933	3,898	3,824	3,426	0	24,082
	Total	10,753.81	4,172.53	391,170	24,350	60,545	443,330	2,369,480	3,288,874

County Roadlog Certified 1-1-2007

All Costs in 2007 $1,000's

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies - FGTS Routes

CRS Scenario 3 - Moderate Road Restrictions

				C/L Miles of Deficiency						
	County	Total C/L Miles		Improve	Pave	Minor	Shoulder	Improve	Total	%
	Name	FGTS	Adequate	Gravel	Unpaved	Widening	Improv.	Base	Inadequate	Adeq.
1	Adams	583.35	164.05	118.44	0.00	0.00	13.09	287.77	419.30	28%
2	Asotin	43.13	23.24	0.00	4.33	0.01	15.41	0.14	19.89	54%
3	Benton	327.78	69.60	43.41	0.01	0.00	31.23	183.54	258.18	21%
4	Chelan	124.86	42.98	0.00	0.00	16.17	18.22	47.49	81.88	34%
5	Clallam	143.13	76.20	0.00	0.00	10.55	56.38	0.00	66.93	53%
6	Clark	176.11	115.54	0.00	0.00	3.80	56.77	0.00	60.57	66%
7	Columbia	206.44	35.52	76.18	0.00	0.00	7.34	87.40	170.92	17%
8	Cowlitz	140.30	76.72	0.00	0.00	8.40	55.18	0.00	63.58	55%
9	Douglas	262.01	186.32	35.40	3.86	0.00	32.75	3.68	75.69	71%
10	Ferry	224.46	10.36	41.19	0.00	0.00	2.20	170.71	214.10	5%
11	Franklin	518.05	343.33	68.18	1.32	5.43	26.95	72.84	174.72	66%
12	Garfield	135.88	67.93	8.57	0.00	0.29	59.09	0.00	67.95	50%
13	Grant	857.37	18.57	57.98	2.18	0.00	134.64	644.00	838.80	2%
14	Grays Harb	219.76	187.98	1.37	1.07	17.99	11.35	0.00	31.78	86%
15	Island	42.62	23.93	0.00	0.00	0.00	18.70	0.00	18.70	56%
16	Jefferson	139.72	119.26	3.35	0.00	6.07	2.07	8.97	20.46	85%
17	King	460.23	328.03	0.00	7.16	4.22	120.72	0.11	132.20	71%
18	Kitsap	42.27	36.71	0.00	0.00	0.32	5.25	0.00	5.57	87%
19	Kittitas	309.64	107.03	0.08	0.00	8.85	193.68	0.00	202.61	35%
20	Klickitat	286.05	52.19	0.00	3.72	4.07	145.99	80.08	233.86	18%
21	Lewis	392.69	224.43	0.00	1.75	6.78	159.73	0.00	168.26	57%
22	Lincoln	251.17	7.64	46.37	0.00	0.00	85.40	111.76	243.53	3%
23	Mason	123.49	15.59	0.00	0.00	0.00	0.07	107.83	107.90	13%
24	Okanogan	399.62	85.94	71.43	0.00	1.25	0.00	241.00	313.68	22%
25	Pacific	135.11	36.94	13.27	1.66	4.48	6.45	72.31	98.17	27%
26	Pend Oreill	225.69	63.85	8.97	1.85	0.00	0.90	150.13	161.84	28%
27	Pierce	297.33	176.69	0.00	0.00	17.56	18.11	84.97	120.64	59%
28	San Juan	88.78	34.16	0.00	0.23	0.89	53.51	0.00	54.63	38%
29	Skagit	237.10	119.58	0.00	0.00	0.68	1.42	115.43	117.53	50%
30	Skamania	81.64	66.91	0.00	0.53	0.00	14.20	0.00	14.73	82%
31	Snohomish	534.09	298.34	0.00	0.06	28.57	207.12	0.00	235.75	56%
32	Spokane	709.74	440.38	46.10	5.99	39.43	177.84	0.00	269.36	62%
33	Stevens	335.38	111.62	3.50	0.00	0.26	85.80	134.20	223.76	33%
34	Thurston	207.07	23.82	2.76	0.00	0.00	0.86	179.63	183.24	12%
35	Wahkiakur	25.50	9.87	0.00	1.92	0.00	13.71	0.00	15.63	39%
36	Walla Wall	359.45	119.24	28.47	0.00	1.41	1.25	209.06	240.20	33%
37	Whatcom	203.79	71.82	0.00	0.11	0.00	1.46	130.40	131.97	35%
38	Whitman	293.97	36.60	14.13	0.00	0.00	0.00	243.24	257.37	12%
39	Yakima	609.06	557.52	25.60	6.72	11.06	8.16	0.00	51.54	92%
	Total	10,753.81	4,586.42	714.75	44.46	198.53	1,842.98	3,366.67	6,167.40	44%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies - FGTS Routes

CRS Scenario 3 - Moderate Road Restrictions

				Cost to Improve Deficiency					
	County	Total C/L Miles		Improve	Pave	Minor	Shoulder	Improve	Total
	Name	FGTS	Adequate	Gravel	Unpaved	Widening	Improv.	Base	Cost
1	Adams	583.35	164.05	64,998	0	0	3,376	156,073	224,447
2	Asotin	43.13	23.24	0	2,823	3	5,530	119	8,475
3	Benton	327.78	69.60	24,984	6	0	8,265	101,927	135,182
4	Chelan	124.86	42.98	0	0	4,090	4,849	26,762	35,702
5	Clallam	143.13	76.20	0	0	2,242	15,174	0	17,415
6	Clark	176.11	115.54	0	0	1,391	23,503	0	24,894
7	Columbia	206.44	35.52	43,802	0	0	1,927	48,972	94,701
8	Cowlitz	140.30	76.72	0	0	2,504	14,780	0	17,284
9	Douglas	262.01	186.32	20,778	2,510	0	9,173	3,741	36,203
10	Ferry	224.46	10.36	21,401	0	0	530	95,658	117,589
11	Franklin	518.05	343.33	33,135	616	1,677	6,740	41,003	83,171
12	Garfield	135.88	67.93	5,211	0	93	15,545	0	20,848
13	Grant	857.37	18.57	29,186	1,143	0	36,135	343,069	409,533
14	Grays Harb	219.76	187.98	667	621	4,642	2,834	0	8,764
15	Island	42.62	23.93	0	0	0	5,233	0	5,233
16	Jefferson	139.72	119.26	1,628	0	1,267	502	5,059	8,456
17	King	460.23	328.03	0	3,344	2,319	47,534	92	53,288
18	Kitsap	42.27	36.71	0	0	101	2,553	0	2,654
19	Kittitas	309.64	107.03	39	0	2,412	47,438	0	49,888
20	Klickitat	286.05	52.19	0	1,737	1,306	37,937	45,024	86,004
21	Lewis	392.69	224.43	0	817	1,803	42,586	0	45,206
22	Lincoln	251.17	7.64	27,050	0	0	22,170	62,716	111,936
23	Mason	123.49	15.59	0	0	0	19	60,845	60,864
24	Okanogan	399.62	85.94	40,050	0	219	0	133,414	173,683
25	Pacific	135.11	36.94	7,556	775	876	1,680	37,020	47,906
26	Pend Oreil	225.69	63.85	5,238	1,206	0	216	82,185	88,844
27	Pierce	297.33	176.69	0	0	7,645	9,208	76,434	93,288
28	San Juan	88.78	34.16	0	107	209	13,667	0	13,984
29	Skagit	237.10	119.58	0	0	403	534	70,506	71,444
30	Skamania	81.64	66.91	0	248	0	3,595	0	3,842
31	Snohomish	534.09	298.34	0	39	10,035	66,871	0	76,945
32	Spokane	709.74	440.38	24,310	3,162	13,952	53,011	0	94,435
33	Stevens	335.38	111.62	2,077	0	46	22,555	75,385	100,062
34	Thurston	207.07	23.82	1,342	0	0	508	118,580	120,430
35	Wahkiakur	25.50	9.87	0	1,244	0	3,592	0	4,836
36	Walla Wall	359.45	119.24	17,312	0	441	332	118,630	136,716
37	Whatcom	203.79	71.82	0	51	0	694	75,707	76,453
38	Whitman	293.97	36.60	7,474	0	0	0	136,449	143,922
39	Yakima	609.06	557.52	12,933	3,898	3,824	3,426	0	24,082
	Total	10,753.81	4,586.42	391,170	24,350	63,501	534,220	1,915,371	2,928,611

County Roadlog Certified 1-1-2007

All Costs in 2007 $1,000's

County Freight and Goods System
2007 Status Report

Appendix 3: Maintenance Needs

Estimate of FGTS Idealized Annual Maintenance Needs				
General Roadway Maintenance				General Maintenance Total
Drainage	Traffic	Roadside	Winter	
$9,860,852	$23,856,916	$23,693,654	$15,788,935	**$73,200,357**
Paved Surfaces - Pavement				Paved Surfaces Total
BST	ACP	PCC	Shoulders	
$13,479,121	$31,900,948	$344,250	$544,957	**$46,269,276**
Unpaved Surfaces - Gravel/Unimproved				Unpaved Surfaces Total
Unpaved		Shoulders		
$12,537,482		$994,448		**$13,531,930**
Pavement Preservation				Preservation Total
BST	ACP	PCC		
$18,414,207	$12,286,872	$486,861		**$31,187,940**
				Administration Total
				$14,775,572
Total Estimate of FGTS Idealized Annual Maintenance Needs				**$178,965,075**

GENERAL NOTES

FGTS and Road Information from County Roadlog Certifies 1/1/2007.

Maintenance Needs Assessment methodology developed by the RJS and CRS studies.

Cost Factors from 1988 Road Jurisdiction Study, adjusted to 2007 by WSDOT IPD factors.

Cost Factors are idealized statewide estimated costs for optimal road maintenance.

Estimated costs shown can not be applied to any specific county.

Estimated costs do not reflect any county's actual maintenance program, due to:

- maintenance and political priorities, available resources, and budgetary constraints.

County Freight and Goods System
2007 Status Report

Appendix 4: Strategic Freight Corridors

Deficient Miles and Costs to Correct Deficiencies – Arranged by County

Scenario 1 – All Weather Road
Scenario 2 – Minimal Road Restrictions
Scenario 3 – Moderate Road Restrictions

COUNTY FREIGHT AND GOODS SYSTEM 2007 STATUS REPORT

Strategic Freight Corridors (SFC) Deficiency Summary

Deficient Mileage Summary

	CRS Scenario	Total C/ L Miles FGTS	Total C/ L Miles Adequate	Deficient Centerline Miles: Improve Gravel	Paved Unpaved	Minor Widening	Shoulder Improv.	Improve Base	**Total Mi. Inadequate**	**% Adequate**
1	All Weather	210.11	104.58	0.00	0.00	4.97	58.57	41.99	**105.53**	**49.8%**
2	Minimal Rest.	210.11	104.58	0.00	0.00	4.97	58.57	41.99	**105.53**	**49.8%**
3	Moderate Rest.	210.11	120.26	0.00	0.00	5.19	63.40	21.26	**89.85**	**57.2%**

County Roadlog Certified 1/1/2007 — Centerline Miles of Road

Cost Estimate to Remove CRS Deficiencies

	CRS Scenario	Total C/ L Miles FGTS	Total C/ L Miles Adequate	Costs To Improve/Remove Deficiencies: Improve Gravel	Paved Unpaved	Minor Widening	Shoulder Improv.	Improve Base	**Total $ Inadequate**	**Total Miles Inadequate**
1	All Weather	210.11	104.58	0	0	2,698	31,938	49,254	**83,890**	**105.53**
2	Minimal Rest.	210.11	104.58	0	0	2,645	31,293	48,230	**82,168**	**105.53**
3	Moderate Rest.	210.11	120.26	0	0	2,860	34,683	21,617	**59,160**	**89.85**

County Roadlog Certified 1/1/2007 — All Costs in 2007 $1,000's

Total Estimated Needs to Correct Deficiencies

All Weather SFC	**$83,890,000**	**$83.900 Million**
Minimal Restrictions	**$82,168,000**	**$82.200 Million**
Moderate Restrictions	**$59,160,000**	**$59.200 Million**

Cost Responsibility Study Improvement Descriptions

Improvement Strategy "J" - Improve Gravel Road Base

If an unpaved road with ADT less than 250 has inadequate base, width, or surface type, the road will be reconstructed to a gravel road with adequate base and current design standard width.

Improvement Strategy "K" - Base Improvement to Existing Paved Road

If a road is not structurally adequate (base inadequate or too many weeks of weight restrictions), the road is reconstructed to a paved all weather road meeting current design standards.

Improvement Strategy "M" - Resurfacing with Minor Widening

If the lane width is less than the MTC, the existing lanes will be widened to current design standards, adequate shoulders installed, and the existing pavement resurfaced.

Improvement Strategy "N" - Resurfacing with Shoulder Improvements

If the pavement width is adequate but the shoulders are too narrow, the shoulders are improved to current design standards, and resurfacing the existing pavement

Improvement Strategy "V" - Paving an Unpaved Road

If an unpaved road has an ADT greater than 250, it will be reconstructed to a paved road with an adequate base and current design standard width lanes and shoulders.

All projects undertaken will comply with current road improvement requirements and practices and include:

Identifying and mitigating safety concerns
Identifying and mitigating environmental concerns
Minor alignment improvements (horizontal and vertical)
Truck operational enhancements (e.g.: turning lanes, adequate turning radii)

County Freight and Goods System | **STRATEGIC FREIGHT CORRIDORS** | **FGTS Mileage by Functional Class**

		Total Miles	Arterial			Collector			Access			Total Miles	
County	**County Name**	**SFC**	**Rural**	**Urban**	**Total**	**Rural**	**Urban**	**Total**	**Rural**	**Urban**	**Total**	**Rural**	**Urban**
1	Adams	0.53	0.00	0.00	0.00	0.53	0.00	0.53	0.00	0.00	0.00	0.53	0.00
2	Asotin	0.15	0.00	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
3	Benton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Chelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Clallam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Clark	18.79	0.00	18.79	18.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.79
7	Columbia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Cowlitz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Douglas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Ferry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Franklin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Garfield	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Grant	10.46	1.00	2.29	3.29	7.17	0.00	7.17	0.00	0.00	0.00	8.17	2.29
14	Grays Harbor	1.03	0.00	0.00	0.00	1.03	0.00	1.03	0.00	0.00	0.00	1.03	0.00
15	Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	King	54.14	10.88	43.15	54.03	0.00	0.00	0.00	0.00	0.11	0.11	10.88	43.26
18	Kitsap	8.35	0.00	8.35	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.35
19	Kittitas	9.86	0.25	0.88	1.13	8.28	0.45	8.73	0.00	0.00	0.00	8.53	1.33
20	Klickitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lewis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Lincoln	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Mason	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Okanogan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	Pend Oreille	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	Pierce	23.46	0.00	22.48	22.48	0.00	0.98	0.98	0.00	0.00	0.00	0.00	23.46
28	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	Skagit	22.74	0.00	8.11	8.11	14.27	0.36	14.63	0.00	0.00	0.00	14.27	8.47
30	Skamania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	Snohomish	12.39	0.00	8.41	8.41	3.68	0.24	3.92	0.00	0.06	0.06	3.68	8.71
32	Spokane	38.41	6.90	24.53	31.43	6.00	0.98	6.98	0.00	0.00	0.00	12.90	25.51
33	Stevens	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	Thurston	1.14	0.00	1.14	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14
35	Wahkiakum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	Walla Walla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	Whatcom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	Whitman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	Yakima	8.66	0.00	5.21	5.21	3.45	0.00	3.45	0.00	0.00	0.00	3.45	5.21
	Total Miles	210.11	19.03	143.49	162.52	44.41	3.01	47.42	0.00	0.17	0.17	63.44	146.67

County Roadlog Certified 1/1/2007 | Centerline Miles of Road

County Freight and Goods System — STRATEGIC FREIGHT CORRIDORS — Centerline Miles

		Miles	Truck Route Class		Function Class			Location		Total	Total
County	County Name	SFC	T-1	T-2	Arterial	Collector	Access	Rural	Urban	FGTS	C/L Miles
1	Adams	0.53	0.00	0.53	0.00	0.53	0.00	0.53	0.00	583.35	1,774.76
2	Asotin	0.15	0.00	0.15	0.15	0.00	0.00	0.00	0.15	43.13	401.82
3	Benton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	327.78	877.56
4	Chelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.86	665.64
5	Clallam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.13	485.48
6	Clark	18.79	3.87	14.92	18.79	0.00	0.00	0.00	18.79	176.11	1,131.70
7	Columbia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	206.44	503.34
8	Cowlitz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.30	535.05
9	Douglas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	262.01	1,636.84
10	Ferry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	224.46	738.94
11	Franklin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	518.05	988.25
12	Garfield	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.88	447.10
13	Grant	10.46	0.00	10.46	3.29	7.17	0.00	8.17	2.29	857.37	2,529.09
14	Grays Harbor	1.03	0.00	1.03	0.00	1.03	0.00	1.03	0.00	219.76	552.20
15	Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.62	583.92
16	Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139.72	396.12
17	King	54.14	23.78	30.36	54.03	0.00	0.11	10.88	43.26	460.23	1,848.75
18	Kitsap	8.35	2.94	5.42	8.35	0.00	0.00	0.00	8.35	42.27	933.30
19	Kittitas	9.86	0.00	9.86	1.13	8.73	0.00	8.53	1.33	309.64	564.87
20	Klickitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	286.05	1,084.33
21	Lewis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	392.69	1,050.74
22	Lincoln	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	251.17	1,992.44
23	Mason	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.49	622.40
24	Okanogan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	399.62	1,388.18
25	Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135.11	349.81
26	Pend Oreille	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225.69	550.03
27	Pierce	23.46	6.56	16.90	22.48	0.98	0.00	0.00	23.46	297.33	1,550.66
28	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.78	270.85
29	Skagit	22.74	0.00	22.74	8.11	14.63	0.00	14.27	8.47	237.10	795.61
30	Skamania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.64	240.88
31	Snohomish	12.39	4.64	7.75	8.41	3.92	0.06	3.68	8.71	534.09	1,657.17
32	Spokane	38.41	5.69	32.72	31.43	6.98	0.00	12.90	25.51	709.74	2,529.58
33	Stevens	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	335.38	1,491.26
34	Thurston	1.14	0.00	1.14	1.14	0.00	0.00	0.00	1.14	207.07	1,039.86
35	Wahkiakum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	143.57
36	Walla Walla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	359.45	963.18
37	Whatcom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	203.79	954.53
38	Whitman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	293.97	1,912.34
39	Yakima	8.66	0.00	8.66	5.21	3.45	0.00	3.45	5.21	609.06	1,670.09
	Total Miles	210.11	47.47	162.64	162.52	47.42	0.17	63.44	146.67	10,753.81	39,852.21

County Roadlog Certified 1/1/2007 — Centerline Miles of Road

County Freight and Goods System | STRATEGIC FREIGHT CORRIDORS | Mileage Summary

		Total Miles			Percent of System		Truck Route Class		Function Class			Rural/Urban		County
County	County Name	All Roads	FGTS	SFC	FGTS	SFC	T-1	T-2	Arterial	Collector	Access	Rural	Urban	Arterials
1	Adams	1,774.76	583.35	0.53	32.9%	0.0%	0.00	0.53	0.00	0.53	0.00	0.53	0.00	0.53
2	Asotin	401.82	43.13	0.15	10.7%	0.0%	0.00	0.15	0.15	0.00	0.00	0.00	0.15	0.15
3	Benton	877.56	327.78	0.00	37.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Chelan	665.64	124.86	0.00	18.8%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Clallam	485.48	143.13	0.00	29.5%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Clark	1,131.70	176.11	18.79	15.6%	1.7%	3.87	14.92	18.79	0.00	0.00	0.00	18.79	18.79
7	Columbia	503.34	206.44	0.00	41.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Cowlitz	535.05	140.30	0.00	26.2%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Douglas	1,636.84	262.01	0.00	16.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Ferry	738.94	224.46	0.00	30.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Franklin	988.25	518.05	0.00	52.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Garfield	447.10	135.88	0.00	30.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Grant	2,529.09	857.37	10.46	33.9%	0.4%	0.00	10.46	3.29	7.17	0.00	8.17	2.29	10.46
14	Grays Harbor	552.20	219.76	1.03	39.8%	0.2%	0.00	1.03	0.00	1.03	0.00	1.03	0.00	1.03
15	Island	583.92	42.62	0.00	7.3%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Jefferson	396.12	139.72	0.00	35.3%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	King	1,848.75	460.23	54.14	24.9%	2.9%	23.78	30.36	54.03	0.00	0.11	10.88	43.26	54.03
18	Kitsap	933.30	42.27	8.35	4.5%	0.9%	2.94	5.42	8.35	0.00	0.00	0.00	8.35	8.35
19	Kittitas	564.87	309.64	9.86	54.8%	1.7%	0.00	9.86	1.13	8.73	0.00	8.53	1.33	9.86
20	Klickitat	1,084.33	286.05	0.00	26.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Lewis	1,050.74	392.69	0.00	37.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Lincoln	1,992.44	251.17	0.00	12.6%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Mason	622.40	123.49	0.00	19.8%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Okanogan	1,388.18	399.62	0.00	28.8%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Pacific	349.81	135.11	0.00	38.6%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	Pend Oreille	550.03	225.69	0.00	41.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	Pierce	1,550.66	297.33	23.46	19.2%	1.5%	6.56	16.90	22.48	0.98	0.00	0.00	23.46	23.46
28	San Juan	270.85	88.78	0.00	32.8%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	Skagit	795.61	237.10	22.74	29.8%	2.9%	0.00	22.74	8.11	14.63	0.00	14.27	8.47	22.74
30	Skamania	240.88	81.64	0.00	33.9%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	Snohomish	1,657.17	534.09	12.39	32.2%	0.7%	4.64	7.75	8.41	3.92	0.06	3.68	8.71	12.33
32	Spokane	2,529.58	709.74	38.41	28.1%	1.5%	5.69	32.72	31.43	6.98	0.00	12.90	25.51	38.41
33	Stevens	1,491.26	335.38	0.00	22.5%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	Thurston	1,039.86	207.07	1.14	19.9%	0.1%	0.00	1.14	1.14	0.00	0.00	0.00	1.14	1.14
35	Wahkiakum	143.57	25.50	0.00	17.8%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	Walla Walla	963.18	359.45	0.00	37.3%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	Whatcom	954.53	203.79	0.00	21.3%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	Whitman	1,912.34	293.97	0.00	15.4%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	Yakima	1,670.09	609.06	8.66	36.5%	0.5%	0.00	8.66	5.21	3.45	0.00	3.45	5.21	8.66
	Total Miles	39,852.21	10,753.81	210.11	27.0%	0.5%	47.47	162.64	162.52	47.42	0.17	63.44	146.67	209.94

County Roadlog Certified 1/1/2007 | Centerline Miles of Road

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 1 - All Weather Roads

				C/L Miles of Deficiency						
County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Inadequate	% Adeq.
1	Adams	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100%
2	Asotin	0.15	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0%
3	Benton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
4	Chelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
5	Clallam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
6	Clark	18.79	11.11	0.00	0.00	0.00	7.68	0.00	7.68	59%
7	Columbia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
8	Cowlitz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
9	Douglas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
10	Ferry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
11	Franklin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
12	Garfield	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
13	Grant	10.46	0.00	0.00	0.00	0.00	3.29	7.17	10.46	0%
14	Grays Harbor	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	100%
15	Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
16	Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
17	King	54.14	32.09	0.00	0.00	1.22	20.71	0.11	22.05	59%
18	Kitsap	8.35	0.00	0.00	0.00	0.00	0.00	8.35	8.35	0%
19	Kittitas	9.86	9.54	0.00	0.00	0.00	0.32	0.00	0.32	97%
20	Klickitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
21	Lewis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
22	Lincoln	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
23	Mason	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
24	Okanogan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
25	Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
26	Pend Oreille	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
27	Pierce	23.46	0.03	0.00	0.00	0.00	0.00	23.43	23.43	0%
28	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
29	Skagit	22.74	20.90	0.00	0.00	0.05	0.00	1.79	1.84	92%
30	Skamania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
31	Snohomish	12.39	5.51	0.00	0.00	0.00	6.88	0.00	6.88	45%
32	Spokane	38.41	16.68	0.00	0.00	3.70	18.03	0.00	21.73	43%
33	Stevens	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
34	Thurston	1.14	0.00	0.00	0.00	0.00	0.00	1.14	1.14	0%
35	Wahkiakum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
36	Walla Walla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
37	Whatcom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
38	Whitman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
39	Yakima	8.66	7.15	0.00	0.00	0.00	1.51	0.00	1.51	83%
	Total	210.11	104.58	0.00	0.00	4.97	58.57	41.99	105.53	50%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 1 - All Weather Roads

				Cost to Improve Deficiency					
County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Cost
1	Adams	0.53	0.53	0	0	0	0	0	0
2	Asotin	0.15	0.00	0	0	0	89	0	89
3	Benton	0.00	0.00	0	0	0	0	0	0
4	Chelan	0.00	0.00	0	0	0	0	0	0
5	Clallam	0.00	0.00	0	0	0	0	0	0
6	Clark	18.79	11.11	0	0	0	4,348	0	4,348
7	Columbia	0.00	0.00	0	0	0	0	0	0
8	Cowlitz	0.00	0.00	0	0	0	0	0	0
9	Douglas	0.00	0.00	0	0	0	0	0	0
10	Ferry	0.00	0.00	0	0	0	0	0	0
11	Franklin	0.00	0.00	0	0	0	0	0	0
12	Garfield	0.00	0.00	0	0	0	0	0	0
13	Grant	10.46	0.00	0	0	0	1,747	4,044	5,791
14	Grays Harbor	1.03	1.03	0	0	0	0	0	0
15	Island	0.00	0.00	0	0	0	0	0	0
16	Jefferson	0.00	0.00	0	0	0	0	0	0
17	King	54.14	32.09	0	0	980	12,231	92	13,302
18	Kitsap	8.35	0.00	0	0	0	0	10,727	10,727
19	Kittitas	9.86	9.54	0	0	0	155	0	155
20	Klickitat	0.00	0.00	0	0	0	0	0	0
21	Lewis	0.00	0.00	0	0	0	0	0	0
22	Lincoln	0.00	0.00	0	0	0	0	0	0
23	Mason	0.00	0.00	0	0	0	0	0	0
24	Okanogan	0.00	0.00	0	0	0	0	0	0
25	Pacific	0.00	0.00	0	0	0	0	0	0
26	Pend Oreille	0.00	0.00	0	0	0	0	0	0
27	Pierce	23.46	0.03	0	0	0	0	30,992	30,992
28	San Juan	0.00	0.00	0	0	0	0	0	0
29	Skagit	22.74	20.90	0	0	16	0	1,809	1,825
30	Skamania	0.00	0.00	0	0	0	0	0	0
31	Snohomish	12.39	5.51	0	0	0	3,794	0	3,794
32	Spokane	38.41	16.68	0	0	1,702	8,678	0	10,380
33	Stevens	0.00	0.00	0	0	0	0	0	0
34	Thurston	1.14	0.00	0	0	0	0	1,591	1,591
35	Wahkiakum	0.00	0.00	0	0	0	0	0	0
36	Walla Walla	0.00	0.00	0	0	0	0	0	0
37	Whatcom	0.00	0.00	0	0	0	0	0	0
38	Whitman	0.00	0.00	0	0	0	0	0	0
39	Yakima	8.66	7.15	0	0	0	897	0	897
	Total	210.11	104.58	0	0	2,698	31,938	49,254	83,890

County Roadlog Certified 1-1-2007 All Costs in 2007 $1,000's

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 2 - Minimal Road Restrictions

				C/L Miles of Deficiency						
County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Inadequate	% Adeq.
1	Adams	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100%
2	Asotin	0.15	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0%
3	Benton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
4	Chelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
5	Clallam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
6	Clark	18.79	11.11	0.00	0.00	0.00	7.68	0.00	7.68	59%
7	Columbia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
8	Cowlitz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
9	Douglas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
10	Ferry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
11	Franklin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
12	Garfield	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
13	Grant	10.46	0.00	0.00	0.00	0.00	3.29	7.17	10.46	0%
14	Grays Harbor	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	100%
15	Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
16	Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
17	King	54.14	32.09	0.00	0.00	1.22	20.71	0.11	22.05	59%
18	Kitsap	8.35	0.00	0.00	0.00	0.00	0.00	8.35	8.35	0%
19	Kittitas	9.86	9.54	0.00	0.00	0.00	0.32	0.00	0.32	97%
20	Klickitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
21	Lewis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
22	Lincoln	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
23	Mason	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
24	Okanogan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
25	Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
26	Pend Oreille	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
27	Pierce	23.46	0.03	0.00	0.00	0.00	0.00	23.43	23.43	0%
28	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
29	Skagit	22.74	20.90	0.00	0.00	0.05	0.00	1.79	1.84	92%
30	Skamania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
31	Snohomish	12.39	5.51	0.00	0.00	0.00	6.88	0.00	6.88	45%
32	Spokane	38.41	16.68	0.00	0.00	3.70	18.03	0.00	21.73	43%
33	Stevens	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
34	Thurston	1.14	0.00	0.00	0.00	0.00	0.00	1.14	1.14	0%
35	Wahkiakum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
36	Walla Walla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
37	Whatcom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
38	Whitman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
39	Yakima	8.66	7.15	0.00	0.00	0.00	1.51	0.00	1.51	83%
	Total	210.11	104.58	0.00	0.00	4.97	58.57	41.99	105.53	50%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 2 - Minimal Road Restrictions

County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Cost to Improve Deficiency: Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Cost
1	Adams	0.53	0.53	0	0	0	0	0	0
2	Asotin	0.15	0.00	0	0	0	87	0	87
3	Benton	0.00	0.00	0	0	0	0	0	0
4	Chelan	0.00	0.00	0	0	0	0	0	0
5	Clallam	0.00	0.00	0	0	0	0	0	0
6	Clark	18.79	11.11	0	0	0	4,259	0	4,259
7	Columbia	0.00	0.00	0	0	0	0	0	0
8	Cowlitz	0.00	0.00	0	0	0	0	0	0
9	Douglas	0.00	0.00	0	0	0	0	0	0
10	Ferry	0.00	0.00	0	0	0	0	0	0
11	Franklin	0.00	0.00	0	0	0	0	0	0
12	Garfield	0.00	0.00	0	0	0	0	0	0
13	Grant	10.46	0.00	0	0	0	1,712	3,958	5,670
14	Grays Harbor	1.03	1.03	0	0	0	0	0	0
15	Island	0.00	0.00	0	0	0	0	0	0
16	Jefferson	0.00	0.00	0	0	0	0	0	0
17	King	54.14	32.09	0	0	961	11,983	90	13,034
18	Kitsap	8.35	0.00	0	0	0	0	10,505	10,505
19	Kittitas	9.86	9.54	0	0	0	151	0	151
20	Klickitat	0.00	0.00	0	0	0	0	0	0
21	Lewis	0.00	0.00	0	0	0	0	0	0
22	Lincoln	0.00	0.00	0	0	0	0	0	0
23	Mason	0.00	0.00	0	0	0	0	0	0
24	Okanogan	0.00	0.00	0	0	0	0	0	0
25	Pacific	0.00	0.00	0	0	0	0	0	0
26	Pend Oreille	0.00	0.00	0	0	0	0	0	0
27	Pierce	23.46	0.03	0	0	0	0	30,348	30,348
28	San Juan	0.00	0.00	0	0	0	0	0	0
29	Skagit	22.74	20.90	0	0	16	0	1,772	1,788
30	Skamania	0.00	0.00	0	0	0	0	0	0
31	Snohomish	12.39	5.51	0	0	0	3,717	0	3,717
32	Spokane	38.41	16.68	0	0	1,669	8,504	0	10,173
33	Stevens	0.00	0.00	0	0	0	0	0	0
34	Thurston	1.14	0.00	0	0	0	0	1,557	1,557
35	Wahkiakum	0.00	0.00	0	0	0	0	0	0
36	Walla Walla	0.00	0.00	0	0	0	0	0	0
37	Whatcom	0.00	0.00	0	0	0	0	0	0
38	Whitman	0.00	0.00	0	0	0	0	0	0
39	Yakima	8.66	7.15	0	0	0	879	0	879
	Total	210.11	104.58	0	0	2,645	31,293	48,230	82,168

County Roadlog Certified 1-1-2007 All Costs in 2007 $1,000's

County Freight and Goods System Study

Summary of Centerline Miles of Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 3 - Moderate Road Restrictions

				C/L Miles of Deficiency						
County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Inadequate	% Adeq.
1	Adams	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100%
2	Asotin	0.15	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0%
3	Benton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
4	Chelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
5	Clallam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
6	Clark	18.79	11.11	0.00	0.00	0.00	7.68	0.00	7.68	59%
7	Columbia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
8	Cowlitz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
9	Douglas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
10	Ferry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
11	Franklin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
12	Garfield	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
13	Grant	10.46	0.00	0.00	0.00	0.00	3.29	7.17	10.46	0%
14	Grays Harbor	1.03	1.03	0.00	0.00	0.00	0.00	0.00	0.00	100%
15	Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
16	Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
17	King	54.14	32.09	0.00	0.00	1.22	20.71	0.11	22.05	59%
18	Kitsap	8.35	5.66	0.00	0.00	0.00	2.69	0.00	2.69	68%
19	Kittitas	9.86	9.54	0.00	0.00	0.00	0.32	0.00	0.32	97%
20	Klickitat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
21	Lewis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
22	Lincoln	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
23	Mason	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
24	Okanogan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
25	Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
26	Pend Oreille	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
27	Pierce	23.46	10.05	0.00	0.00	0.22	2.14	11.05	13.41	43%
28	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
29	Skagit	22.74	20.90	0.00	0.00	0.05	0.00	1.79	1.84	92%
30	Skamania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
31	Snohomish	12.39	5.51	0.00	0.00	0.00	6.88	0.00	6.88	45%
32	Spokane	38.41	16.68	0.00	0.00	3.70	18.03	0.00	21.73	43%
33	Stevens	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
34	Thurston	1.14	0.00	0.00	0.00	0.00	0.00	1.14	1.14	0%
35	Wahkiakum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
36	Walla Walla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
37	Whatcom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
38	Whitman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%
39	Yakima	8.66	7.15	0.00	0.00	0.00	1.51	0.00	1.51	83%
	Total	210.11	120.26	0.00	0.00	5.19	63.40	21.26	89.85	57%

County Roadlog Certified 1-1-2007 Centerline Miles of Road

County Freight and Goods System Study

Summary of Costs to Eliminate Deficiencies **STRATEGIC FREIGHT CORRIDORS**

CRS Scenario 3 - Moderate Road Restrictions

				Cost to Improve Deficiency					
County #	County Name	Total C/L Miles S F C	Total C/L Miles Adequate	Improve Gravel	Pave Unpaved	Minor Widening	Shoulder Improv.	Improve Base	Total Cost
1	Adams	0.53	0.53	0	0	0	0	0	0
2	Asotin	0.15	0.00	0	0	0	89	0	89
3	Benton	0.00	0.00	0	0	0	0	0	0
4	Chelan	0.00	0.00	0	0	0	0	0	0
5	Clallam	0.00	0.00	0	0	0	0	0	0
6	Clark	18.79	11.11	0	0	0	4,348	0	4,348
7	Columbia	0.00	0.00	0	0	0	0	0	0
8	Cowlitz	0.00	0.00	0	0	0	0	0	0
9	Douglas	0.00	0.00	0	0	0	0	0	0
10	Ferry	0.00	0.00	0	0	0	0	0	0
11	Franklin	0.00	0.00	0	0	0	0	0	0
12	Garfield	0.00	0.00	0	0	0	0	0	0
13	Grant	10.46	0.00	0	0	0	1,747	4,044	5,791
14	Grays Harbor	1.03	1.03	0	0	0	0	0	0
15	Island	0.00	0.00	0	0	0	0	0	0
16	Jefferson	0.00	0.00	0	0	0	0	0	0
17	King	54.14	32.09	0	0	980	12,231	92	13,302
18	Kitsap	8.35	5.66	0	0	0	1,486	0	1,486
19	Kittitas	9.86	9.54	0	0	0	155	0	155
20	Klickitat	0.00	0.00	0	0	0	0	0	0
21	Lewis	0.00	0.00	0	0	0	0	0	0
22	Lincoln	0.00	0.00	0	0	0	0	0	0
23	Mason	0.00	0.00	0	0	0	0	0	0
24	Okanogan	0.00	0.00	0	0	0	0	0	0
25	Pacific	0.00	0.00	0	0	0	0	0	0
26	Pend Oreille	0.00	0.00	0	0	0	0	0	0
27	Pierce	23.46	10.05	0	0	161	1,259	14,082	15,502
28	San Juan	0.00	0.00	0	0	0	0	0	0
29	Skagit	22.74	20.90	0	0	16	0	1,809	1,825
30	Skamania	0.00	0.00	0	0	0	0	0	0
31	Snohomish	12.39	5.51	0	0	0	3,794	0	3,794
32	Spokane	38.41	16.68	0	0	1,702	8,678	0	10,380
33	Stevens	0.00	0.00	0	0	0	0	0	0
34	Thurston	1.14	0.00	0	0	0	0	1,591	1,591
35	Wahkiakum	0.00	0.00	0	0	0	0	0	0
36	Walla Walla	0.00	0.00	0	0	0	0	0	0
37	Whatcom	0.00	0.00	0	0	0	0	0	0
38	Whitman	0.00	0.00	0	0	0	0	0	0
39	Yakima	8.66	7.15	0	0	0	897	0	897
	Total	210.11	120.26	0	0	2,860	34,683	21,617	59,160

County Roadlog Certified 1-1-2007 All Costs in 2007 $1,000's