

City of Craig
Draft Annual Plan of Work Fiscal Year 2021 - Port St. Nicholas Road
December 20, 2019

This plan of work is prepared in compliance with Section 12.10.040.B of the Craig Municipal Code. The plan estimates the work tasks and capital and operational costs for the Port St. Nicholas Road as defined at 12.10.090 of the CMC.

Section I – Description of Work Tasks & Estimated Costs

Task 1: Grading Gravel Surface

Grading to be performed a minimum of thirteen times and spot grading as needed for the fiscal year 2021. The Public Works Department has estimated a minimum of 260 operation hours, and 1300 tons of 1.5” minus surface material to accomplish basic grading operations.

Equipment & Labor	Units	Quantity	Rate	Total
Motor grader	HR	175	\$164.37	\$28,765
Roller	HR	85	\$83.24	\$7,075
1.5" minus	TON	1,300	\$18.50	\$24,050
TOTAL				\$59,890

Task 2: Culvert Maintenance

Culvert cleaning and drainage ditch debris cleanup as needed, approximately 60 hours.

Equipment & Labor	Units	Quantity	Rate	Total
Backhoe	HR	60	\$104.26	\$6,256
Dump Truck	HR	60	\$139.45	\$8,367
1.5" minus	TON	0	\$18.50	\$0
Pit Run	TON	0	\$12.50	\$0
3" Jaw Run	TON	0	\$15.80	\$0
Corrugated pipe	FT	0	\$28.94	\$0
Total				\$14,623

Task 3: Asphalt Maintenance

No specific asphalt maintenance work is planned for the period.

Task 4: Snow removal and Sanding

Sanding the road surface requires a minimum of two cubic yards of material to sand 1.5 miles of paved road. Sanding may be performed up to twice a day depending on road conditions. Estimates are based on an average of 10 snow days.

Equipment & Labor	Units	Quantity	Rate	Total
Dump Truck	HR	20	\$139.45	\$2,789
Sand	TON	50	\$22.50	\$1,125
TOTAL				\$3,914

Task 5: Striping

Cost based on estimate from striping contractor, plus preparation costs.

Equipment & Labor	Units	Quantity	Rate	Total
Striping	FT	17,300	\$1.35	\$23,355
Sweeping	HR	4	\$120.74	\$483
Total				\$23,838

Task 6: Bridge Maintenance

There are three minor maintenance tasks planned.

- Remove gravel and debris from the shoulders of the deck to allow water drainage;
- Clean compression joints and install seals at abutments;
- Cut brush and trees around and under bridge.

Equipment & Labor	Units	Quantity	Rate	Total
Brush removal	HR	1	\$109.00	\$109
Expansion joint	Stick	10	\$134.00	\$1,340
Labor	HR	8	\$49.00	\$392
Total				\$1,841

Task 7: Guard Rail Maintenance

No maintenance service associated with this infrastructure component.

Task 8: Shoulder Brushing

Estimate clearing production rate is five operation hours per mile. Use of a brusher is incorporated into the production rate.

Equipment & Labor	Units	Quantity	Rate	Total
Brushing	MILE	3.3	\$531.25	\$1,753

Section II – Budget & Allocation of Costs Among Lots

The table below shows the sum total used to estimate the fee for the work described in this report.

Task	Description	Cost
1	Grading	\$59,890
2	Culvert maintenance	\$14,623
3	Asphalt maintenance	\$0
4	Snow removal & sanding	\$3,914
5	Striping	\$23,838
6	Bridge Maintenance	\$1,841
7	Guardrail maintenance	\$0
8	Shoulder brushing	\$1,753
	Total	\$105,859

Section 12.10.020 of the CMC calls for applying 45 percent of costs among the lots subject to the annual road maintenance and improvement fee, with a maximum of \$150 per lot. Applying the cost allocation found at CMC 12.10.020, the projected cost for the work period will reach the \$150 per lot maximum, as shown in the table below.

Estimated			
Subject	Estimated	Cost per	Maximum Fee
Lots	Costs	Lot @ 45%	per lot
180	\$105,859	\$265	\$150

Section III. Summary

Per CMC 12.10.040.B, this Annual Plan of Work estimates the range and costs of work tasks, as well as the number of lots subject to the road maintenance fee. Actual costs and number of subject lots will be reported to the Craig City Council in a subsequent Annual Maintenance Report required at CMC 12.10.040.A.

Section IV. Public Review and Comment

Per CMC 12.10.040.B, this Annual Plan of Work is subject to public review and comment for 30 days, at which time the city council will consider all comments received during the public notice period. Comments are due to the city by 5:00 p.m. Monday, January 20, 2020. Comments may be sent via US Mail to City of Craig PO Box 725 Craig, AK 99921, or by e-mail to info@craigak.com. Comments may be made in person at the Craig city council meeting scheduled for Thursday, January 16, 2020. The meeting begins at 7:00 p.m. in the Craig city council chambers.

For more information, call 826-3275, or stop by city hall.