



WHEATLAND COUNTY

Where There's Room to Grow



Request for Decision

March 3rd, 2020

Resolution No. _____

Date Prepared February 21st, 2020

Subject

Cost sharing request – Hwy 901/Hwy 817 lighting

Recommendation

Clear resolution answering – what/who/how/when

That Wheatland County Council approve submitting a request to Alberta Transportation to cost share the installation of lighting at the intersection of Hwy 901 and Hwy 817.

Further, that this funding be cost shared at a 50/50 ratio between Wheatland County and Alberta Transportation.

CAO Comments

Any additional comments regarding the reason for the recommendation

RECOMMENDATION

Report/Document:

Attached

☒

Available

☐

None

☐

Key Issue(s) / Concepts Defined

Define the topic, reference background material and state question to be answered

Wheatland County has concerns over the safety of the intersection of Hwy 901 and Hwy 817. This intersection averages approximately 2600 vehicles per day in each direction and is currently not illuminated. The roads also intersect at an askew angle which adds to the safety concerns due to reduced sightlines.

Alberta Transportation has delayed the reconstruction of this intersection past the 5 year time horizon. Wheatland County would prefer to have the intersection safety improved in a shorter timeframe.

Relevant Policy / Practices / Legislation

Cite existing policies, practices and/or legislation

Strategic Relevance

Reference to goals or priorities of current work program

Response Options and Desired Outcome(s)

Main result, along with highlighted requisites and benefits

1. **Approve recommendation.**
2. **Not approve recommendation.**
3. **Approve an alternate recommendation of Council's choice.**

IMPLICATIONS OF RECOMMENDATION**General**

Consequences to community, overall organization and/or other agencies

Organizational

Policy change or staff workload requirements

Financial

Current and/or future budget impact

The total cost of installing the lighting at this intersection is approximately \$40,000.

Environmental, Staff and Public Safety

Consequences for the environment, consideration of effects on the safety of staff and the public

The installation of lighting in this location will enhance safety at the intersection.

Follow-up Action / Communications

Timelines, decision-making milestones and key products

n/a

Submitted by: Mike Ziehr
General Manager of Transportation &
Agriculture



Reviewed by: Brian Henderson
CAO



Estimated costs

PHASE			TASK	FEES PLUS EXPENSES	HOURS
1	PRELIMINARY ENGINEERING	1.1	Project initiation meeting - By conf call	\$ 197.60	1
		1.2	Review of existing information	\$ 494.00	4.5
		1.3	Warrant Analysis	\$ 494.00	4.5
		1.4	Prepare preliminary design report for AT review	\$ 1,159.60	12.5
2	DETAILED DESIGN	2.1	Coordinate with utility, power source(s) as necessary	\$ 452.40	4
		2.2	Prepare and submit detailed design package - AT Review	\$ 1,118.00	11.5
3	CONTRACT TENDERING	3.1	Tender Document Preparation, including IFT drawings and special provisions	\$ 925.60	9
4	Construction Services	4.1	Attend Pre-construction Meeting, Issue IFCs, Review Shop Drawings and respond to RFIs during construction	\$ 1,320.80	13
5	Post Construction Services	5.1	Undertake inspection for CCC	\$ 1,188.00	9
		5.2	Prepare and submit record drawings	\$ 1,315.60	13.5
		5.3	Warranty inspection	\$ 891.60	6.5
				\$ -	0
TOTAL ESTIMATE				\$ 9,557.20	89
(Excluding Taxes)					

Construction Cost Estimate:

Assuming that delineation lighting is provided using two luminaires, the estimated cost of construction is provided below:

No	Line Item	Unit	Qty	Unit Price	Ext Price
1	Mobilization and demobilization	LS	1	\$2,500	\$2,500
2	Underground Conduit Install (HDD)	per m	60	\$75	\$4,500
3	Cable Install	LS	1	\$1,200	\$1,200
4	Precast Concrete Base Installation	each	2	\$2,100	\$4,200
5	Street Standard	each	2	\$3,400	\$6,800
6	Power Distribution enclosure	each	1	\$8,600	\$8,600
7	Trench and Backfill	per m	25	\$30	\$750
TOTAL (without contingency)					\$28,550