

POSSIBLE MOTION

I MOVE TO approve Resolution 2023-08 on first and final reading authorizing the Municipal Administrator to apply for and execute a grant for the Transportation Alternatives Set Aside from the Surface Transportation Block Grant Program with the Alaska Department of Transportation and Public Facilities (ADOT&PF) for the safety improvements for crossing State Right of Way Sawmill Creek Road at Raptor Way.




CITY AND BOROUGH OF SITKA

A COAST GUARD CITY

MEMORANDUM

To: Mayor Eisenbeisz and Assembly Members

Thru: John Leach, Municipal Administrator  (Acting)

From: Melissa Henshaw, Public and Government Relations Director

Date: March 8, 2023

Subject: Authorization to Execute an Alaska Department of Transportation & Public Facilities Transportation Alternatives (TA) Grant to support the Safety Improvements for Crossing State Right of Way Sawmill Creek Road at Raptor Way

Grant Background

The [Transportation Alternatives](#) (TA) Set-Aside from the Surface Transportation Block Grant (STBG) Program provides funding for a variety of generally smaller-scale transportation projects such as pedestrian and bicycle facilities; construction of turnouts, overlooks, and viewing areas; community improvements such as historic preservation and vegetation management; environmental mitigation related to storm water and habitat connectivity; recreational trails; safe routes to school projects; and vulnerable road user safety assessments.

The Call for Projects is broken into two phases. Phase one consisted of submission of a Notice of Intent to Apply (NOIA) that included project title, location, scope, short justification, and eligibility screening in order to be eligible for phase two call for projects. CBS submitted the NOIA and met with the Regional Planner to discuss scope, eligibility, management responsibilities, match requirements, estimating details, supporting documents, and more.

Phase 2 was a call for projects. DOT&PF used the preliminary project information to determine eligibility and prepare a scope, schedule, and estimate. CBS is responsible to develop the full project application.

Awarded projects will be developed and managed by ADOT&PF as this program does not issue grants to communities directly.

Criteria on a 0–5-point scale include: Health and quality of life, safety, contributions, M&O costs, public support, gaps/barriers, tied to an event, intrinsic qualities, historic transportation facility, capital cost, other factors.

TA grant key factors with updated dates/milestones:

- Applications are due February 28, 2023. Resolutions and financial commitments are due for the Statewide Project Evaluation Board Meeting in May.
- Projects proposed on a roadway managed by DOT&PF and within the Right of Way (ROW) supported by ADOT&PF will cover the match.
- Additional funding provided by the community would be considered for additional points.
- The community is responsible for maintenance responsibility for the new facility and open to the public for at least 25 years.
- DOT&PF completes the scope, schedule, and estimate.
- This program is expected to award close to \$20-30 million for this award cycle.
- TA Projects are limited to two project submittals per public entity not to exceed federal share amount of \$5 million per submittal as determined by a DOT&PF certified estimate.
- Projects pre-scored and Project Evaluation Board (PEB) selections will be made April 21, PEB applications submitted by DOT&PF planning in partnership with community May 15, PEB will meet May 30-31.

Project Background

In 2019, the Federal Highway Administration (FHWA), in coordination with the National Park Service (NPS) and DOT&PF completed a safety audit along Sawmill Creek Road in the vicinity of the Alaska Raptor Center. The safety audit also noted evidence of a high-volume crossing location for pedestrians and suggested evaluating this location for high-visibility crosswalk markings and signing, advance yielding to pedestrian signage, or further electrical treatments such as rectangular rapid-flashing beacons (RRFB) or Pedestrian Hybrid Beacon (PHB).

The safety audit noted that pedestrians were observed crossing midblock to access the Alaska Raptor Center; there is an informal path indicating that this is a high crossing area for pedestrians. It states that the gravel roadway along Raptor Way is in visibly poor condition. No crosswalk or pedestrian signing is provided at the Sawmill Creek Road / Raptor Way intersection, though there is a striped crosswalk across Sawmill Creek Road approximately 850 feet to the south at Jarvis Street (where a nature trail connects to the Sitka National Historical Park) and 1500 feet to the west at Indian River Road. Pedestrian crossing volumes across Sawmill Creek Road exceed 20 crossings per hour 5 hours of the day (from 11:00 AM to 3:00 PM).

The project is to design and construct a pedestrian crossing across Sawmill Creek near Raptor Way. The desired crossing is a mid-block crossing at Raptor Way and may include a traffic control device such as a Rectangular Rapid Flashing Beacon (RRFB) or Pedestrian Hybrid Beacon (PHB). Lighting improvements may also be installed. The final design will be in compliance with the Alaska Traffic Manual and supported by engineering analyses.

This crossing is supported by the 2002 Sitka Non-Motorized Transportation Plan; 2018 Sawmill Creek Road Transportation Corridor Assessment (updated in December 2021) conducted by Western Federal lands Highway Division for the National Park Service and CBS; 2022 Traffic Study; and Goal 1 Quality of Life from the Strategic Plan and 4.4.

Fiscal Note

The total project cost is \$1,719,400. Direction was given at the February 28th Assembly meeting to include an additional 5.01% (\$86,142) local match contribution for 3 points from the

Commercial Passenger Excise Tax Fund in addition to the State minimum contribution of 9.03%.

Please note that in addition to any match the Assembly approves, ADOT will require that the CBS take on future maintenance for any newly built facilities.

Recommendation

Approve this resolution authorizing the Municipal Administrator to execute a Transportation Alternatives (TA) program grant for the Safety Improvements for Crossing State Right of Way Sawmill Creek Road at Raptor Way and include a 5.01% match commitment from the commercial Passenger Excise Tax Fund.

CITY AND BOROUGH OF SITKA

RESOLUTION NO. 2023-08

A RESOLUTION OF THE CITY AND BOROUGH OF SITKA (CBS) AUTHORIZING THE MUNICIPAL ADMINISTRATOR TO APPLY FOR AND EXECUTE A GRANT FOR THE TRANSPORTATION ALTERNATIVES SET-ASIDE FROM THE SURFACE TRANSPORTATION BLOCK GRANT PROGRAM WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (ADOT&PF) FOR THE SAFETY IMPROVEMENTS FOR CROSSING STATE RIGHT OF WAY SAWMILL CREEK ROAD AT RAPTOR WAY

WHEREAS, the CBS received a request from the ADOT&PF to nominate projects for inclusion in the Transportation Alternatives (TA) Set-Aside from the Surface Transportation Block Grant (STBG) Program as outlined in the ADOT&PF's application packet; and

WHEREAS, with the increase of the visitor industry specifically the cruise ship passenger projections and the high-volume crossing for pedestrians at the Raptor Way location, the CBS recognizes the need to create a safer crossing across Sawmill Creek Road; and

WHEREAS, the CBS is participating as an eligible project sponsor in the ADOT&PF Transportation Alternatives Program with federal monies available, administered by ADOT&PF, for the purpose of creating and promoting the planning and development of alternative transportation projects in Alaska; and

WHEREAS, the CBS acknowledges the State will pay the 9.03% match requirement since it is a project on State right of way and recognizes the opportunity for a local match commitment and the availability of funds, understanding that more points are scored for a higher match; and

WHEREAS, the CBS acknowledges the scope, schedule, and estimate confirmation prepared by the State of Alaska Department of Transportation & Public Facilities Southcoast Region; and

WHEREAS, the CBS agrees the facility constructed with federal transportation funds be maintained by the CBS and open to the public for at least 25 years; and

WHEREAS, after appropriate public input and due consideration, the governing body of the CBS has recommended that an application be submitted to the State of Alaska for the Safety Improvements for Crossing State Right of Way Sawmill Creek Road at Raptor Way Project.

NOW, THEREFORE, BE IT RESOLVED by the Assembly of the City and Borough of Sitka to authorize the CBS Municipal Administrator to apply for and execute a grant with ADOT&PF for the Transportation Alternatives Program with a match commitment of 5.01% totaling \$86,142 from CBS Commercial Passenger Vessel Excise Tax funds.

PASSED, APPROVED, AND ADOPTED by the Assembly of the City and Borough of Sitka, Alaska on this 14th day of March 2023.

Steven Eisenbeisz, Mayor

56 ATTEST:

57

58

59 _____
Sara Peterson, MMC

60 Municipal Clerk

61

62 1st and final reading: 3/14/2023

63

64 Sponsor: Administrator

Scope, Schedule, Estimate (SSE) Confirmation

Project Name	Sawmill Creek Road and Raptor Way Pedestrian Crossing		
DATE	21-Dec-22	CATEGORY	Modernization
NEED ID	tbd	REASON	<input checked="" type="radio"/> New Project <input type="radio"/> Update SSE

PLANNING SSE

PROPOSED SCOPE	<p>Design and construct a pedestrian crossing across Sawmill Creek near Raptor Way. The desired crossing is a mid-block crossing at Raptor Way and may include a traffic control device such as a Rectangular Rapid Flashing Beacon (RRFB) or Pedestrian Hybrid Beacon (PHB). Lighting improvements may also be installed. The final design will be in compliance with the Alaska Traffic Manual and supported by engineering analyses.</p> <p>Estimate below provided by community:</p>
-----------------------	--

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	TOTAL
<i>Design</i>	300,000	300,000	200,000								800,000
<i>Utilities</i>											-
<i>Right of Way</i>											-
<i>Construction</i>			1,200,000								1,200,000
TOTAL	300,000	300,000	1,400,000	-							2,000,000

CONFIRMED SSE

CONFIRMED SCOPE	
------------------------	--

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	TOTAL
<i>Design</i>	250,000	304,400	150,000								704,400
<i>Utilities</i>											-
<i>Right of Way</i>											-
<i>Construction</i>			1,015,000								1,015,000
TOTAL	250,000	304,400	1,165,000	-							1,719,400

Scope, Schedule, Estimate (SSE) Confirmation

Project Name	Sawmill Creek Road and Raptor Way Pedestrian Crossing		
DATE	44916	CATEGORY	Modernization
NEED ID	tbd	REASON	<input type="radio"/> New Project <input checked="" type="radio"/> Update SSE

CONSIDERATIONS

SSE	Value	Comments
<i>Basis for Estimate Field Review or Recon List Assumptions & Unknowns</i>	Itemized Approxir	
	No	
	Installation of RRFB and construction of pedestrian refuge island. Unknown utility connection for powering RRFB.	

ENVIRONMENTAL	Value	Comments
<i>Anticipated Environmental Doc Environmental Doc Prep Time 4(F) Involvement Permits Required List Assumptions & Unknowns</i>	CE	
	4 months	
	No	
	No	
	Should be a pretty straight forward CE.	


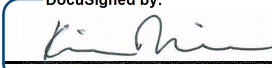
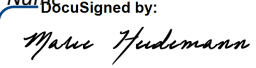
ROW	Value	Comments
<i>Confidence in ROW Estimate List Assumptions & Unknowns</i>	High	
	All work should be able to be done in our ROW.	

UTILITY	Value	Comments
<i>Confidence in Utility Estimate List Assumptions & Unknowns</i>	Moderate	
	I don't expect any utility work will be needed.	

OTHER	Value	Comments
<i>Impacts to Annual M&O Bridge Work Included Geotech Considerations List Assumptions & Unknowns</i>	Yes	Cost of running and maintaining RRFB
	No	
	None	
	No expected bridge or geotech work.	

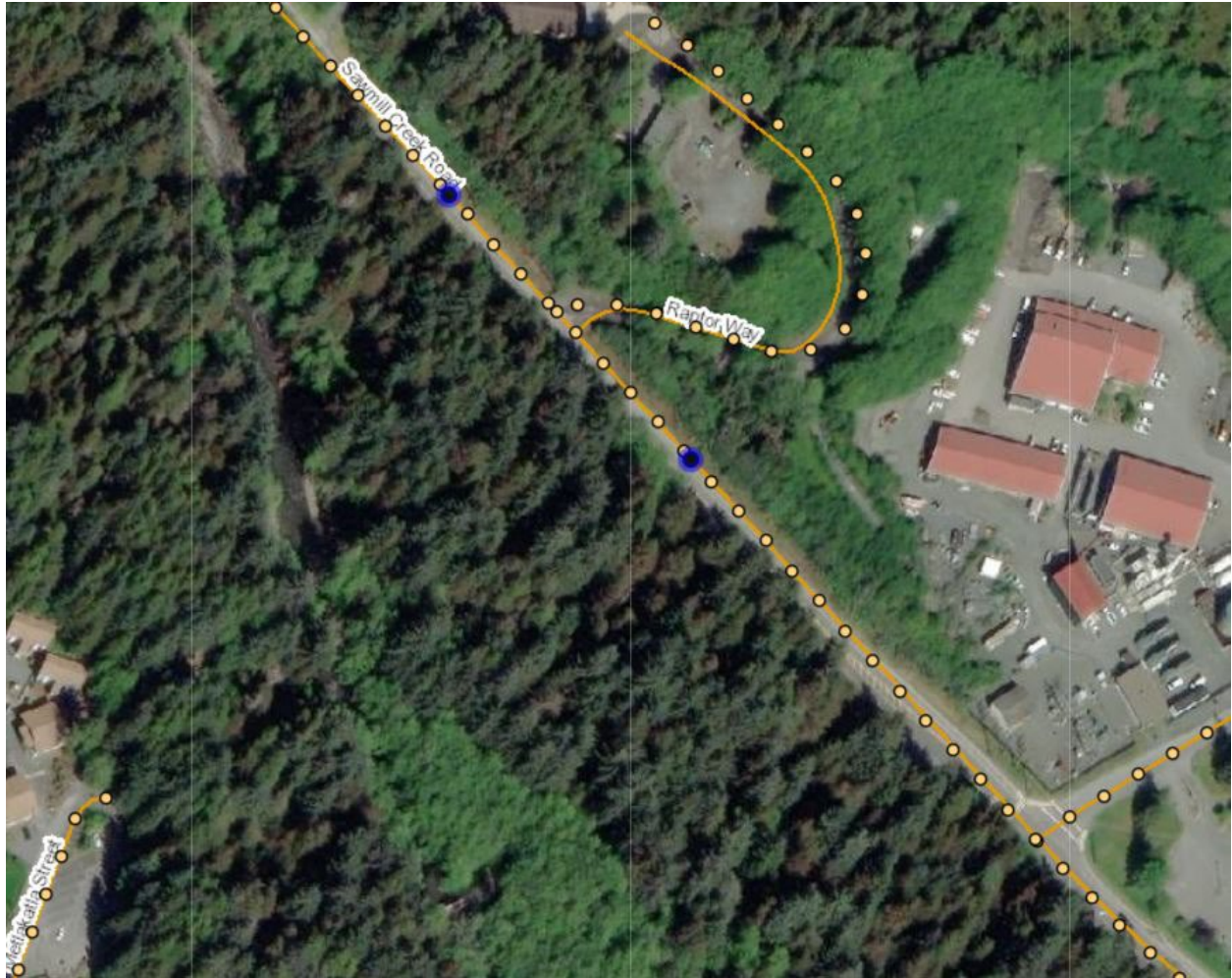
CERTIFICATION & APPROVAL

Please adjust comment boxes to fit all text before converting to PDF

Confirmed SSE Prepared By		2/10/2023
	Name: ABCDEF8FE84B2... DocSigned by:	Date
Confirmed SSE Pre-Construction Approval		
	Signature: Pre-Construction Engineer Kirk Miller	2/10/2023
Confirmed SSE Planner Approval		
	Name: Marie Heidemann DocSigned by: Signature: Planning Chief Marie Heidemann	2/10/2023
	Name	Date

Sawmill Creek Road and Raptor Way Pedestrian Crossing

Project Limit: Mile point 0.733 – 0.817



ENGINEER'S ESTIMATE

Sawmill Creek RRFB & Mid Block Crossing

State of Alaska
Department of Transportation
& Public Facilities
Southcoast Region

Printed: 2/7/23

Description	Unit	Quantity	Unit Price	Amount
201.0008.0000 Grubbing	Lump Sum	All Required	\$15,000.00	\$15,000.00
201.2001.0000 Invasive Plant Survey	Lump Sum	All Required	\$5,000.00	\$5,000.00
201.2003.0000 Invasive Plant Species Control, Removal	Contingent Sum	All Required	\$20,000.00	\$20,000.00
202.000X.0000 Removal of Sidewalk	Square Yard	21	\$30.00	\$630.00
202.0002.0000 Removal of Pavement	Square Yard	300	\$30.00	\$9,000.00
301.0001.0000 Aggregate Base Course, Grading D-1	Ton	156	\$120.00	\$18,720.00
401.0001.002B HMA, Type II Class B	Ton	0	\$500.00	\$0.00
408.2001.000B HMA, SP; Type B	Ton	108	\$500.00	\$54,000.00
401.0004.5828 Asphalt Binder, Grade PG 58-28	Ton	6.48	\$2,000.00	\$12,960.00
402.0001.STE1 STE-1 Asphalt for Tack Coat	Ton	1	\$2,000.00	\$2,000.00
603.0021.00018 CPP 18 Inch	LF	35	\$100.00	\$3,500.00
608.0006.000 Curb Ramp	EA	3	\$1,500.00	\$4,500.00
608.2013.0005 Concrete Slabs, 6 Inches Thick	SY	37	\$160.00	\$5,920.00
609.0001.0ALL Curb, All Types	LF	162	\$30.00	\$4,860.00
615(1) Standard Sign	Square Foot	20.5	\$300.00	\$6,150.00
640(1) Mobilization and Demobilization	Lump Sum	All Required	\$100,000.00	\$100,000.00
641(1) Erosion, Sediment and Pollution Control Administration	Lump Sum	All Required	\$5,000.00	\$5,000.00
641(3) Temporary Erosion, Sediment and Pollution Control	Lump Sum	All Required	\$10,000.00	\$10,000.00
641(5) Temporary Erosion, Sediment and Pollution Control by Directive	Contingent Sum	All Required	\$5,000.00	\$5,000.00
641(6) Withholding	Contingent Sum	All Required	\$0.00	\$0.00
642(1) Construction Surveying	Lump Sum	All Required	\$20,000.00	\$20,000.00
643(2) Traffic Maintenance	Lump Sum	All Required	\$120,000.00	\$120,000.00
643(3) Permanent Construction Signs	Lump Sum	All Required	\$10,000.00	\$10,000.00

643(23) Traffic Price Adjustment	Contingent Sum	All Required	\$0.00	\$0.00
643(25) Traffic Control	Contingent Sum	All Required	\$50,000.00	\$50,000.00
643(32) Flagging	Contingent Sum	All Required	\$25,000.00	\$25,000.00
643(33) Public Information Program	Lump Sum	All Required	\$20,000.00	\$20,000.00
660.0001.0000 Flashing Beacon System Complete	Lump Sum	All Required	\$100,000.00	\$100,000.00
670.0001.0000 Painted Traffic Markings	Lump Sum	All Required	\$25,000.00	\$25,000.00
670.0014.0000 Removal of Pavement Markings	Lump Sum	All Required	\$5,000.00	\$5,000.00
				\$657,240.00
	Pay Item Bid Total			
	Construction Engineering (Fixed Amount)	20%	131,448.00	788,688.00
	Indirect Cost Allocation Plan (ICAP) Precent	7.18%	56,627.80	845,315.80
	Construction Project Total+Factor of Saftey	20%	169,063.16	1,014,378.96

Project Name: Sawmill Creek RRFB & Mid Block Crossing

IRIS #: PENDING

Estimated By: NAP

Date: 2/08/2023

<u>Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Cost</u>
<u>Design</u>				
Designer	150	Mandays	\$700	\$105,000
Assistant Designer	0	Mandays	\$590	\$0
Drafting	5	Mandays	\$485	\$2,425
Manager	110	Mandays	\$900	\$99,000
Consultant		Lump Sum		\$0
			<u>subtotal</u>	<u>\$206,425</u>
<u>Environmental</u>				
Impact Analyst	120	Mandays	\$615	\$73,800
Cultural Resource	15	Mandays	\$550	\$8,250
Statewide/ Environmental Manager	5	Mandays	\$725	\$3,625
Consultant		Lump Sum		\$0
			<u>subtotal</u>	<u>\$85,675</u>
<u>Location Surveying</u>				
Perdiem Fieldwork	1	Crew week	\$21,900	\$21,900
Non-Perdiem Fieldwork		Crew week	\$13,500	\$0
Data / Designer / Manager	10	Officedays	\$1,100	\$11,000
			<u>subtotal</u>	<u>\$32,900</u>
<u>Geology</u>				
Perdiem Fieldwork	0	Crewdays	\$7,100	\$0
Non-Perdiem Fieldwork	5	Crewdays	\$6,600	\$33,000
Lab	2	Labdays	\$1,650	\$3,300
Findings Report	8	Officedays	\$1,750	\$14,000
			<u>subtotal</u>	<u>\$50,300</u>
<u>Traffic</u>				
Designer	10	Mandays	\$630	\$6,300
Manager	5	Mandays	\$775	\$3,875
			<u>subtotal</u>	<u>\$10,175</u>
<u>Hydrology</u>				
Technical Engineer	8	Mandays	\$920	\$7,360
Assistant	0	Mandays	\$725	\$0
			<u>subtotal</u>	<u>\$7,360</u>

<u>Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Cost</u>
<u>Geotechnical</u>				
Technical Engineer	0	Mandays	\$800	\$0
Assistant	0	Mandays	\$590	\$0
			<u>subtotal</u>	\$0

<u>Statewide Foundations</u>				
Perdiem Fieldwork	0	Crewdays	\$6,920	\$0
Report / Manager	0	Mandays	\$1,650	\$0
Lab	0	Labdays	\$1,750	\$0
Technical Engineer	0	Mandays	\$750	\$0
			<u>subtotal</u>	\$0

<u>Bridge Design</u>				
Technical Engineer	0	Mandays	\$865	\$0
Drafting	0	Mandays	\$485	\$0
			<u>subtotal</u>	\$0

<u>ROW Title & Plans</u>				
Data / Designer	5	Mandays	\$610	\$3,050
Manager	2	Mandays	\$885	\$1,770
In-House ROW Survey	8	Crewdays	\$2,500	\$20,000
Contract ROW Survey / Certification		Lump Sum	\$0	\$0
			<u>subtotal</u>	\$24,820

<u>Utilities</u>				
Designer	16	Mandays	\$610	\$9,760
Utilities Associate	5	Mandays	\$630	\$3,150
Utility Company PE Billings		Lump Sum		\$0
Manager	2	Mandays	\$830	\$1,660
			<u>subtotal</u>	\$14,570

<u>Construction Review</u>				
Project Review	For Approx. Phase 4 Cost	Use		
	Under \$1.0 Million		\$10,000	
	\$1.0 Million to \$5.0 Million		\$15,000	
	Over \$5.0 Million		\$20,000	
		Lump Sum	\$15,000	\$15,000
			<u>subtotal</u>	\$15,000

<u>Contracts / Review</u>				
Review Engineer	12	Mandays	\$800	\$9,600
Contract Manager	10	Mandays	\$1,085	\$10,850
			<u>subtotal</u>	\$20,450

<u>ICAP</u>	7.18%	\$21,700
--------------------	-------	-----------------

<u>Travel</u>	0.0%	\$0
----------------------	------	------------

<u>Total Phase 2 Cost</u>	\$489,000
----------------------------------	------------------

<u>Total Phase 2 Cost 20% Factor Safety</u>	\$ 586,800
--	-------------------