

Connie Waddell, Executive Director
 Huu-ay-aht First Nations
 170 Nookemus Road
 Anacla, BC V0R 1B0

April 5, 2021

Bamfield Road Safety Improvements Project
Project Milestones, Construction Sections, Schedule, and Budget

Dear Connie,

Project Milestones

The table below lists the major Milestone seen for the Bamfield Main Safety Improvements Project.

MILESTONE	DATE
YEAR 2020	
Corridor Field Survey, Preliminary Design, and Design Data Compilation	Sept 2020
Procurement of Project Manager	Oct 2020
Project Contracting Strategy and Procurement	Dec 2020
YEAR 2021	
Procurement of Design Teams and Start Design	Mar 2021
Procurement of Gravel, Design, Tender Documents, and Tendering of Project 1	June 2021
Construction Project 2, 3, 4, and 5 Design, Tender Documents and Tendering	Dec 2021
YEAR 2022	
Design, Tender Documents, and Tendering of Project 6	June 2022
Project 1, 2, and 3 Closure and Record Documents	Dec 2022
YEAR 2023	
Project 4 and 5 Closure and Record Documents	June 2023
Overall Project Close Out and Final Documentation	Nov 2023

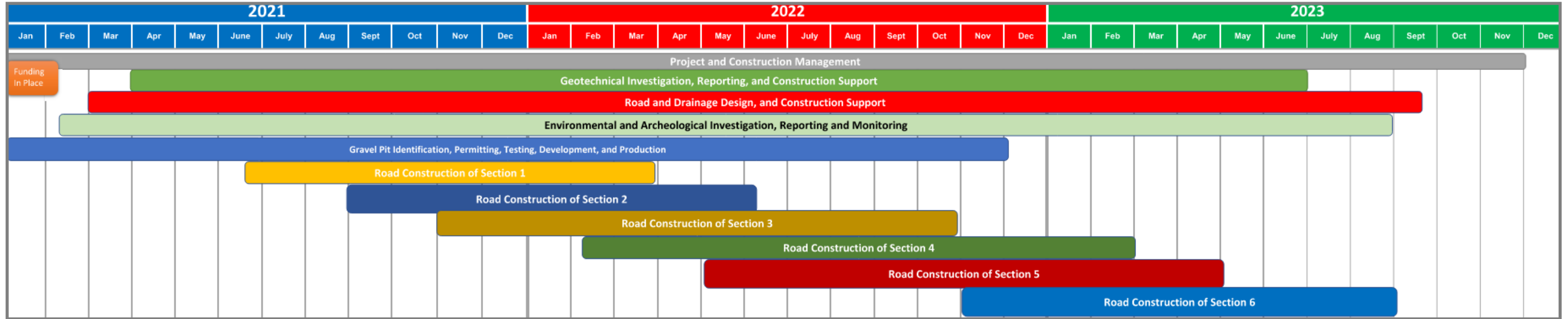
Construction Project Sections

The table below list the proposed construction project sections

PROJECT	ROAD KM		LENGTH (KM)	DESCRIPTION
	FROM	TO		
1	52	65.5	13.5	Bridge #9 to Klanawa Road
2	26.5	36	9.5	Bridge #4 to Coleman Road / Carmanah Main
3	36	52	16	Coleman Road / Carmanah Main to Bridge #9
4	65.5	76	10.5	Klanawa Road to pavement at Pacific Rim NP
5	0	12	12	End of pavement to Bridge #3 (Franklin River)
6	12	26.5	14.5	Bridge #3 to Bridge #4

Project Schedule

The schedule below shows the expected project staging and construction design support for the project timeframe.



Project Budget

Funding sources:

The Province of British Columbia	\$25,700,000
Huu-ay-aht First Nations	\$5,000,000
Total Project Budget	\$30,700,000

Bamfield Main Safety Improvements Milestone Budget			
Item No.	Description of Work		Amount
PROJECT CONSTRUCTION COSTS			
<u>SECTION 1 – GENERAL</u>			
1.01	Site Modifications and Traffic Management	TOTAL SECTION 1	\$700,000.00
<u>SECTION 2 – GRADING</u>			
02.01	Clearing and Grubbing		\$570,000.00
02.02	Removal or Relocation of Existing Works		\$50,000.00
02.03	Roadway & Drainage Excavation		\$1,400,000.00
02.05	Granular Materials:		\$6,750,000.00
		TOTAL SECTION 2	\$8,770,000.00
<u>SECTION 3 – DRAINAGE</u>			
03.01	Supply & Install Culverts	TOTAL SECTION 3	\$500,000.00
<u>SECTION 4 – SEAL COAT AND PAVEMENT</u>			
04.01	Seal Coat		\$4,700,000.00
04.02	Asphalt Pavement		\$3,200,000.00
04.03	Precast Reinforced Concrete Barriers		\$480,000.00
		TOTAL SECTION 4	\$8,380,000.00
<u>SECTION 5 – STRUCTURAL COMPONENTS</u>			
05.01	Retaining Walls	TOTAL SECTION 5	\$540,000.00
<u>SECTION 6 – SIGNING</u>			
06.01	Signing	TOTAL SECTION 6	\$170,000.00
<u>SECTION 7 – LANDSCAPE</u>			
07.01	Revegetation Seeding	TOTAL SECTION 7	\$10,000.00
<u>SUMMARY SECTIONS 1 – 7</u>			
TOTAL SECTION 1 – GENERAL			\$700,000.00
TOTAL SECTION 2 – GRADING			\$8,770,000.00

Bamfield Main Safety Improvements Milestone Budget			
Item No.	Description of Work		Amount
TOTAL SECTION 3 – DRAINAGE			\$500,000.00
TOTAL SECTION 4 – SEAL COAT AND PAVEMENT			\$8,380,000.00
TOTAL SECTION 5 – STRUCTURAL COMPONENTS			\$540,000.00
TOTAL SECTION 6 – SIGNING & PAVEMENT MARKING			\$170,000.00
TOTAL SECTION 7 – LANDSCAPE			\$10,000.00
TOTAL CONSTRUCTION COSTS			\$19,070,000.00
OTHER RELATED PROJECT COSTS			
<u>SECTION A – ENGINEERING & SUPERVISION</u>			
A.01	Engineering Design Services		\$2,320,000.00
A.02	Project Management		\$1,200,000.00
A.03	Construction Supervision		\$1,000,000.00
TOTAL SECTION A			\$4,520,000.00
<u>SECTION B – WORK BY OTHERS</u>			
B.01	BC Hydro	TOTAL SECTION B	\$100,000.00
<u>SECTION C – CONTINGENCIES</u>			
C.01	CONTINGENCIES	TOTAL SECTION C	\$7,010,000.00
SUMMARY SECTIONS A – C			
TOTAL SECTION A – ENGINEERING & SUPERVISION			\$4,520,000.00
TOTAL SECTION B – WORK BY OTHERS			\$100,000.00
TOTAL SECTION C – CONTINGENCIES			\$7,010,000.00
TOTAL OTHER COSTS			\$11,630,000.00
PROJECT TOTAL			\$30,700,000.00

Sincerely,



Kevin Gordon, ASCT

Project Manager

Cc:

Nathan Hume, Legal Counsel