GWICHYAA ZHEE GWICH'IN TRIBAL GOVERNMENT

NATIVE VILLAGE OF FORT YUKON

IVAR'S BRIDGE REPLACEMENT PROJECT
TO PROVIDE SAFE INTER-COMMUNITY &
SUBSISTENCE ACTIVITIES
PROJECT TIMELINE  2006-2016

Gwichyaa Zhee Gwich'in Tribal Government Transportation Planning
- 2006: Project Agreement USF&W and the Tribe
- 2007: Geo-technical Study – Shannon & Wilson
- 2009: FHWA TTP Program Agreement
- 2010: TTP Bridge Program - $150,000
- 2011: TTP Bridge Program - $165,000
2014 • FHWA Work/Service (W/S) Request

2015 • WFLHD Completes PS&E

2015 • WFLHD – Agreed to provide Project Construction Mgmt. (W/S)

2016 • Planned Construction (2-5 million)
SUCKER RIVER – AFTER WATER RECEDES
2010 NATIONAL BRIDGE INVENTORY REPORT

- **Owner/Maintenance Responsibility:**
  - Indian Tribal Government

- **Structural Evaluation:**
  - Basically Intolerable
  - Requiring High Priority for Replacement

- **Sufficiency Rating (%):** 4.8
PLANS, SPECIFICATIONS & ESTIMATES (PS&E)

• **TTP Bridge Program**
  • FY 2010 - $150,000
  • FY 2011 - $165,000

• **Design Funding Total** - $315,000

• **GZGTG’s WFLHD Work Service Request**
  • Accepted 2014
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

PLANS FOR PROPOSED PROJECT
AK IRR FORT 1002(1)
IVARS ROAD BRIDGE REPLACEMENT
NATIVE VILLAGE OF FORT YUKON
YUKON - KOYUKUK CENSUS AREA
ALASKA

LENGTH 0.109 MILES

TYPE OF CONSTRUCTION:
Bridge replacement and road approaches

DESIGN DESIGNATION:
ADT (2015) <400
ADT (2035) <400
V 15 MPH
E (max) 0.025

SPECIFICATION:
Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FF-14

PROJECT LOCATION

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APPROVED:

DATE

Director, Project Delivery
Western Federal Lands Highway Division

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS-HIGHWAY DIVISION
VANCOUVER, WASHINGTON

95% REVIEW
2015 WFLHD TO PROVIDE PROJECT CONSTRUCTION MGMT
Ivar’s Road Bridge Replacement Project

Project Overview

Fort Yukon is located at the confluence of the Yukon River and the Porcupine River, about 245 air miles northeast of Fairbanks. Fort Yukon is accessible by air or water only. It is located within the Yukon Flats National Wildlife Refuge.

The Ivar’s Bridge is made up of approximately 40 culverts with aggregate fill and a concrete deck and crossing the Sucker River. The bridge is used for connectivity by residents living east of the river to get to the village and by villagers to access resources and subsistence activities to the east.

The project objective is to replace the existing structure with a year round accessible clear span bridge. The design proposal is for GRS-IBS abutments with a modular single span girder bridge with timber decking.

This is an example of the type of bridge that is being designed for Fort Yukon

- Segmented Girder Bridge (JPG, 203 KB)
- Typical Girder Segment Bridge (JPG, 219 KB)
- Girder Gusset Bridge (JPG, 184 KB)

Contact Information

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Construction Map
THANK YOU
QUESTIONS & COMMENTS