

NEW STUYAHOK VILLAGE

2020-2025 FINAL ADOPTED

TRIBAL TRANSPORTATION SAFETY PLAN

March 2020

Prepared for:

New Stuyahok Traditional Council

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ACRONYMS AND ABBREVIATIONS

°F	Degrees Fahrenheit
%	Percent
AHSO	Alaska Highway Safety Office
ARRA	American Recovery and Reinvestment Act of 2009
ATV	All-terrain vehicle
AVEC	Alaska Village Electric Cooperative
BBAHC	Bristol Bay Area Health Corporation
BBNA	Bristol Bay Native Association
BIA	Bureau of Indian Affairs
Bristol	Bristol Engineering Services Company, LLC
BUILD	Better Utilizing Investments to Leverage Development
CDC	Centers for Disease Control and Prevention
CDL	Commercial driver's license
Community	New Stuyahok
Council	New Stuyahok Traditional Council
DCCED	Department of Commerce, Community, & Economic Development
DHSS	Department of Health and Social Services
DOT&PF	Department of Transportation & Public Facilities
DUI	Driving under the influence
EMS	Emergency Medical Services
EMT	Emergency Medical Technician
FARS	Fatality Analysis Reporting System
FAST	Fixing America's Surface Transportation
FHWA	Federal Highway Administration
FLTP	Federal lands transportation program
GCI	General Communications Incorporated
HBRRP	Highway Bridge Replacement and Rehabilitation Program
HES	Hazard Elimination Program
HPR	Highway Planning and Research
HSIP	Highway Safety Improvement Program
HSO	Highway Safety Office
IM	Interstate Maintenance
in	Inches

ITS	Intelligent Transportation System
LRTP	Long-Range Transportation Plan
LTAP	Local Technical Assistance Program
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
NHI	National Highway Institute
NHTSA	National Highway Traffic Safety Administration
NTTFI	National Tribal Transportation Facilities Inventory
RSA	Road Safety Audits
RTAP	Rural Transportation Assistance Program
SHSP	Strategic Highway Safety Plan
SMS	Safety Management Systems
STIP	Statewide Transportation Improvements Program
STP	Surface Transportation Program
THSIP	Tribal Highway Safety Improvement Program
TTAP	Tribal Technical Assistance Program
TTP	Tribal Transportation Program
TTPSF	Tribal Transportation Program Safety Funds
TTSP	Tribal Transportation Safety Plan
VPO	Village Police Officer
VPSO	Village Public Safety Officer
WRCC	Western Regional Climate Center

1.0 INTRODUCTION

On behalf of the New Stuyahok Traditional Council (Council), Bristol Bay Native Association (BBNA), by means of a professional service agreement with Bristol Engineering Services Company, LLC (Bristol), developed this Strategic Tribal Transportation Safety Plan (TTSP) for New Stuyahok, Alaska (Community). This TTSP was developed through the Federal Lands Transportation Program (FLTP) using Tribal Transportation Program Safety Funds (TTPSF). Together, our team is building on information from the Federal Office of Highway Safety, the Alaska Highway Safety Office (AHSO), and our partner communities to develop a strong message of Highway Safety for our Tribes within the Bristol Bay Region.

BBNA is an Alaska Native Regional Non-profit Corporation and a tribal consortium. Incorporated under state law, corporation bylaws are structured as a pure tribal consortium. The 31 federally recognized tribes in the Bristol Bay region make up the members of the non-profit corporation. The 31 tribes are represented on the BBNA Board of Directors by their elected tribal presidents, or the president's designee (who must be a tribal member). Therefore, BBNA is directly controlled by the tribal governments it represents. BBNA is a federally recognized tribal consortium for contracting purposes and is a "Tribal Organization" as defined in the Indian Self-Determination and Education Assistance Act. BBNA operates dozens of grants and contracts under various types of eligibility. Eligibility of each grant is controlled by the regulations and authorizing legislation of each particular funding source. BBNA operates both Indian and non-Indian programs.

This TTSP has been coordinated with the Alaska Strategic Highway Safety Plan (SHSP), developed in accordance with Federal Highway Administration (FHWA) standards, and was outlined in reference to the FHWA manual titled "Developing Safety Plans: A Manual for Local Rural Road Owners." The Council plans to apply for funding through this plan for transportation safety projects in subsequent years.

The purpose of this plan is to use existing data to identify transportation safety issues, prioritize activities to address these issues, and identify potential funding sources to implement the activities. The TTSP evaluates all modes of transportation including, but not limited to aviation systems, ferry and water systems, local roads, seasonal trails, pedestrian transportation, and bus and transit systems. This project helps develop a model process for a wide variety of tribal and state level circumstances to provide Tribes with a plan for the development of successful future transportation projects. Resources and strategies identified in this plan will improve the Tribe's ability to identify hazardous roadway locations and features, and to develop and prioritize transportation safety projects.

1.1 MISSION

The mission of this TTSP is to save lives and prevent injuries on the local transportation system by implementing strategies using the 4E's of Safety: Education, Enforcement, Engineering, and Emergency services. The TTSP prioritizes these strategies through evaluation of crash data, public involvement, and the condition of existing transportation facilities. Development of this plan enables the Council to identify risk, evaluate corrective measures, and seek funding for safety projects that maximize safety to prevent deaths and major injuries.

1.2 PROCESS

This TTSP was developed through guidance from the Council, following the process outlined below:

1. Collect community background information from available resources such as existing community planning documents
2. Conduct an initial meeting with the Council and/or interview Council members to collect preliminary information about safety issues and local safety resources
3. Research available transportation safety data such as traffic counts, crash data, and hospital records
4. Develop and distribute a community survey to collect additional data regarding transportation safety issues and community priorities
5. Use data and survey results to identify safety emphasis areas for the TTSP
6. Develop a Draft TTSP and an implementation plan for the Council to review
7. Hold a public meeting to present the Draft TTSP and emphasis areas to the Community and collect public comment
 - a. A public meeting was held in the community on October 8, 2018. Public involvement documentation is provided in Appendix A.
8. Develop a Final Draft TTSP for the Council to review, incorporating Council and Community comments from the public meeting
9. Develop and adopt a Final TTSP

1.3 BACKGROUND

This section provides background information about the Community including location, history and culture, transportation and access, and climate data.

1.3.1 Location

New Stuyahok is located on the Nushagak River, about 12 miles upriver from Ekwok and 52 miles northeast of Dillingham (Exhibit 1). The village has been constructed at two elevations, one 25 feet above river level and one about 40 feet above river level. Within the Bristol Bay Recording District and the Dillingham Census Area, the Community is located at approximately 59.4503 degrees north latitude and -157.3130 degrees west longitude within Section 29, Township 008S, Range 047W of the Seward Meridian. The Community consists of 32.6 square miles of land and 2.0 square miles of water (Department of Commerce, Community, and Economic Development [DCCED], 2018).

Exhibit 1: Community Location Map

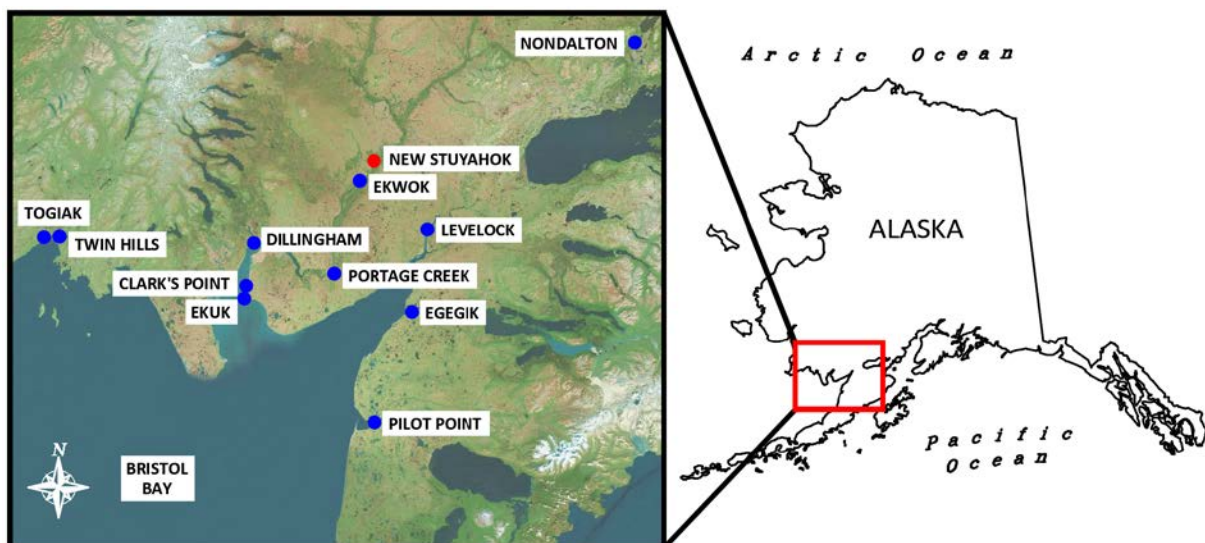


Image source: Bing Geomap, AutoCAD Civil 3D, 2018

1.3.2 History & Culture

The present location is the third site that villagers can remember. The village moved downriver to the Mulchatna area from the "Old Village" in 1918. During the 1920s and 30s, the village was engaged in herding reindeer for the U.S. government. However, by 1942, the herd had dwindled to nothing, the village had been subjected to flooding, and the site was too far inland to receive barge service. So, in 1942, the village moved downriver again to its present location. Stuyahok appropriately means "going downriver place." The first school was built in 1961. A post office was also established that year. An airstrip was built

soon thereafter, and the 1960s saw a 40 percent increase in the village population. The city was incorporated in 1972 (DCCED, 2018).

Today, the Community a Second-Class City home to approximately 504 people. New Stuyahok is a southern Yup'ik Eskimo village with Russian Orthodox influences. Residents practice a fishing and subsistence lifestyle (DCCED, 2018).

1.3.3 Transportation & Access

Air transport is the most frequent mode of transportation used to reach New Stuyahok. The state owns a lighted, gravel airstrip in New Stuyahok. Regular and charter flights are available from Dillingham and Anchorage. Barges are used to lighter goods to New Stuyahok on a regular basis during the summer. Skiffs, all-terrain vehicles (ATVs), and snowmobiles are the prevalent forms of local transportation (DCCED, 2018).

1.3.4 Climate

New Stuyahok falls within the transitional climate zone, characterized by tundra interspersed with boreal forests, and weather patterns of long, cold winters and shorter, warm summers. Fog and low clouds are common during the summer; strong winds often preclude access during the winter. The river is ice-free from June through mid-November (DCCED, 2018).

Average monthly climate data from the nearest weather station is provided in Table 1.

Table 1: Local Monthly Climate Summary

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (°F)	22.1	23.0	29.3	38.2	50.3	58.7	62.5	60.6	53.9	39.7	28.7	20.7	40.6
Average Min. Temperature (°F)	10.1	9.8	14.9	24.6	34.9	43.2	47.4	46.6	40.3	26.5	16.7	8.1	26.9
Average Total Precipitation (in.)	1.79	1.35	1.49	1.01	1.47	1.93	2.79	3.92	3.47	2.21	2.19	1.87	25.48
Average Total Snowfall (in.)	17.1	11.2	13.2	5.4	0.3	0.0	0.0	0.0	0.1	2.1	15.5	18.1	82.9
Average Total Snow Depth (in.)	17	18	18	12	1	0	0	0	0	0	4	12	7

Source: Western Regional Climate Center (WRCC), 2018 Alaska Summaries for Dillingham FAA Airport, Alaska Station 502457 for Period of Record 12/2/1951 to 12/31/2005.

2.0 EXISTING RESOURCES

This section discusses existing safety resources that are valuable to improving transportation safety within the Community.

2.1 SAFETY TEAM

Within the Council, the Tribal Administrator typically acts as the “Safety Champion” for the Tribe, directing safety projects and managing safety resources. However, the Tribe is currently in the process of hiring a Tribal Transportation Coordinator, who would adopt these responsibilities, including updating and administering this Safety Plan. The Safety Champion works closely with the Safety Planning Team, which consists of Council members, local safety partners, and project stakeholders.

2.2 SAFETY PARTNERS

Safety partners are essential to a successful safety plan. The following safety partners work together to improve transportation safety within the community and ensure the public has access to safety resources:

- New Stuyahok Traditional Council
 - The local Tribal Government is responsible for developing and updating this Plan, as well as coordinating with the other Safety Partners to manage safety and transportation improvement projects within the community.
- City of New Stuyahok
 - The City works with the Tribe and other local agencies to plan and organize safety improvement projects, as needed. The City, with assistance from the Tribe, is responsible for road maintenance within the community.
- Stuyahok Limited
 - The local Native Corporation owns the gravel source within the community and coordinates with the Tribe to provide material to maintain the roads.
- New Stuyahok Clinic
 - The local clinic provides emergency response and medical services for transportation accidents.
- New Stuyahok Police
 - New Stuyahok has one Village Public Safety Officer (VPSO) and two Village Police Officers (VPOs)

- State Troopers, Dillingham Post
 - The nearest state trooper post is located in Dillingham. The troopers assist the local police force as needed.
- Southwest Region School District
 - The local school is located on the highest ground within the community and therefore can act as a shelter for the community during emergencies or natural hazards such as floods.
- Bristol Bay Area Health Corporation (BBAHC)
 - BBAHC provides tribal health care management and health services for the Bristol Bay region through the Kanakanak Hospital out of Dillingham.
- Bristol Bay Native Association
 - BBNA is the regional Native Non-Profit that helps fund and coordinate community development projects, including this Plan, and is a great resource for safety projects.
- Bristol Engineering Services Company, LLC
 - Bristol is the primary author of this Plan, and is a subsidiary company of Bristol Bay Native Corporation (Regional Corporation) and Choggiung Limited (Bristol Bay Village Corporation).
- Alaska Department of Transportation & Public Facilities (DOT&PF)
 - The State's DOT&PF provides numerous resources for transportation safety including safety programs and grants. They are also responsible for maintaining the airstrip in New Stuyahok.

Many of these safety partners helped provide background information for this Plan. They also helped identify existing safety resources, safety needs within the community, and potential strategies to improve transportation safety.

2.3 OVERVIEW OF EXISTING EFFORTS

The Council has implemented several safety efforts in the past, and manages several on-going safety efforts, as described below:

2.3.1 Local Police Force

Having police stationed within the community is invaluable to safety. Village Police Officers provide law enforcement services to the community including traffic law

enforcement and city codes. Village Public Safety Officers also provide basic law enforcement, in addition to other safety services such as fire suppression, search and rescue, water safety, and emergency medical services. New Stuyahok currently has one VPSO and two VPOs. If emergencies arise that are out of the capability of the local police force, the State Troopers out of Dillingham may be called in to assist.

2.3.2 Grant Coordination for Road Improvement Projects

The Council is currently coordinating with regional communities in an effort to leverage funding for road infrastructure improvement projects. In 2018, they obtained approval for a grant to rebuild select roads and provide dust suppression. The project is dependent on availability of gravel since the local source in Dillingham is limited. The project will begin with Main Street, and extend to other high priority streets as permitted by the amount of obtainable funding and gravel material.

Additionally, the Council is working with the Village of Clark's Point to apply for a national discretionary grant known as the Better Utilizing Investments to Leverage Development (BUILD) Grant for the proposed road improvements in New Stuyahok. Working with a regional village could help leverage funding by reducing the cost of freight for construction materials and equipment. The grant money would help fund rehabilitation for deteriorating roads including Fox Street, Alder Street, First Street, Third Street, Birch Street, Spruce Street, Ikviar Street, and Wallace Street. These roads are subsiding and littered with potholes, are too narrow to support two-way vehicle traffic and pedestrian traffic, are lacking street signs at intersections, and have inadequate drainage facilities, causing flooding in adjacent homes. The rehabilitation project would consist of resurfacing the roads with new gravel, widening the roads as needed, installing new signs, and installing new drainage features such as roadside ditches and culverts.

2.3.3 Maintenance

The Tribe and City currently have a Memorandum of Agreement (MOA) for road maintenance. The City performs the work utilizing maintenance funds from the Tribal Shares allotted to the Tribe from the Tribal Transportation Program (TTP). Maintenance activities are limited by staff and equipment availability, and currently consist of plowing snow in the winter and cutting brush away from the roads to improve visibility. The Tribe is assisting the City with obtaining additional maintenance equipment including a grader, dump truck, and sander. The community does not have a grader to regrade the roads, causing the potholes to worsen every spring. Additionally, without a dump truck plowed snow must be stockpiled on the roadside and cannot be hauled away. This causes access, visibility, and safety issues. A sander would help improve traction for vehicles on icy roads.

2.3.4 Neighborhood Watch

The Community implements a Neighborhood Watch program to report drunk driving to the VPSO. New Stuyahok is a “damp” community, meaning alcohol is allowed but the amount of alcohol beverages carried into the community is limited. Because of this, intoxicated driving can be a concern. The Neighborhood Watch helps identify when there is a drunk driver and helps discourage intoxicated driving.

2.3.5 Other Safety Features

Other on-going efforts to improve transportation safety include streetlight replacement, trail marking, and expansion of communication services. These projects are in-process, but may be dependent on funding availability.

Streetlights improve transportation safety for both drivers and pedestrians at night and during winter months. The Tribe, City, and local utility Alaska Village Electric Cooperative (AVEC) have been working to replace existing streetlights with brighter LEDs. The community has also requested more lights at the school.

There are many subsistence trails leading from New Stuyahok, some of which connect to surrounding villages. Only sections of the trails are marked with tripods, but more trail markers are desired to improve navigation safety. The Tribe is working with nearby communities to improve trail markers including Ekwok (located 9 miles southwest), Koliganek (20 miles north), and Levelock (30 miles southeast). New Stuyahok residents have also suggested building safety cabins at ideal locations along the trails.

Finally, there are two existing communication towers in New Stuyahok, but both are transmitting only 50% of their service radius. This is a safety concern because people have limited communication in the event of an emergency such as a car crash or vehicle breakdown, especially for locations farther from the village site including the airport, landfill, and surrounding trail system. The Tribe has been working with the utility owner, General Communication Inc. (GCI), to expand the service. However, the tower maintenance is funding dependent.

2.4 PLANNING DOCUMENTS

The Community has access to various local, regional, and state planning documents for transportation, safety and community development. These include:

- 2018-2023 New Stuyahok Village Long-Range Transportation Plan (LRTP)

- 2012 City of New Stuyahok Hazard Mitigation Plan
- 2019 New Stuyahok Tribal Hazard Mitigation Plan
- 2005 City of New Stuyahok Comprehensive Plan
- Bristol Bay Comprehensive Economic Development Strategy: 2017-2022
- Alaska's Strategic Highway Safety Plan (SHSP)
- Alaska's Highway Safety Improvement Program (HSIP)
- Alaska Statewide Transportation Improvement Program (STIP)

These plans were referenced to ensure this TTSP is consistent with other planning efforts.

2.5 EMERGENCY RESPONSE RESOURCES

Access to emergency response resources are essential for transportation safety. This section discusses existing local, regional, and state safety resources. If a transportation accident or emergency occurs, locals call either the VPSO or the clinic. Contact phone numbers for the VPSO, clinic, and other transportation-related emergency contacts are listed in Table 2. This list may not contain all available emergency response resources for the Community, and should be updated often.

Table 2: Emergency Response Contacts

Local	Regional / State
Car Crash / Emergency Local Village Public Safety Officer (VPSO) 907-693-6465	Car Crash / Emergency State Troopers, Dillingham 907-842-5641
Medical Response New Stuyahok Clinic 907-693-3131	Regional Hospital Kanakanak Hospital (Dillingham) 907-842-5201
Fire New Stuyahok Volunteer Fire Department 907-693-3170	Natural Disaster & Search and Rescue State Emergency Operations Center 1-800-478-2337 (toll free) 907-428-7100 (local Anchorage area)
Utility Damage Alaska Village Electric Cooperative (AVEC) 907-561-1818	Recovery-Needs Support American Red Cross of Alaska 1-888-345-4376

Note: Local resources were provided by the Council. Regional and State resources were obtained from the "Alaska Emergency Response Guide for Small Communities."

More information regarding emergency response can be found in the "Alaska Emergency Response Guide for Small Communities" prepared in March 2013 by the State of Alaska Military and Veterans Affairs, Homeland Security and Emergency Management.

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3.0 DATA SUMMARY

Crash data and other safety data are valuable to any transportation safety plan. The data is used to identify safety issues, select appropriate countermeasures, and evaluate performance. Other data sources may include traffic citations, hospital records, insurance claims, traffic counts, and anecdotal evidence from safety partners. At least three years of data is recommended to evaluate the overall traffic patterns.

Data obtained for this safety plan includes crashes and citations reported by local New Stuyahok police and results from a community survey.

3.1 LOCAL POLICE DATA

Safety emphasis areas are chosen based on evaluation of crash data. There were no reported accidents for New Stuyahok in the Alaska DOT&PF crash report database. However, Bristol was able to interview the local VPSO, Officer Josh Wagner, on September 28, 2018. He works with two VPOs. Officer Wagner has been VPSO in New Stuyahok for approximately 1.5 years, and in this time, there have been two ATV crashes and one incident of an ATV crashing into a ditch. These accidents are summarized from his memory below (the official crash reports were not obtained for this plan):

1. The first ATV accident occurred in May 2018 on Airport Road. One ATV was stopped in the road, and because it was raining, a second ATV did not see the stopped vehicle and rear-ended it. Both drivers were between 17 and 18 years old. One Honda had three total occupants and the other had four, all of them around the same age as the drivers. Three people were medevacked out of the community due to serious injuries. One ATV had minor damage; the other had significant damage to the front. One citation was given for negligent driving. None of the occupants wore helmets.
2. The second ATV accident occurred in August 2018. One ATV was coming towards a 4-way intersection with two people sitting on the front rack, blocking the driver's view of the road. Because the driver could not see, he crashed into another ATV in the intersection. There were no stop signs at the intersection, and some tall brush on the corners may have worsened visibility on one side. Two people had minor injuries and were taken to the local clinic. One citation was given for negligent driving. None of the occupants wore helmets.
3. In early 2018, a person driving a snow mobile lost control due to ice and crashed into a ditch. Reportedly, they almost hit a house. There were no injuries.

Officer Wagner explained that there have been no boating accidents since he has been there, but has heard of some happening in the past.

In addition to crash reports, Officer Wagner was asked about citations. He explained that he has given two negligent driver citations (one for each of the crashes discussed above), and roughly 1.5 to 2 dozen driving under the influence (DUI) citations in 1.5 years. He was unable to give an exact number. However, this estimate indicates that at least one DUI is given per month on average.

3.2 COMMUNITY SURVEY

A public survey was conducted in September 2019. A total of 20 surveys were submitted. Raw survey results are provided in Appendix C. A summary and analysis of the results is described below.

3.2.1 Question #1: Safety Concerns & Priorities

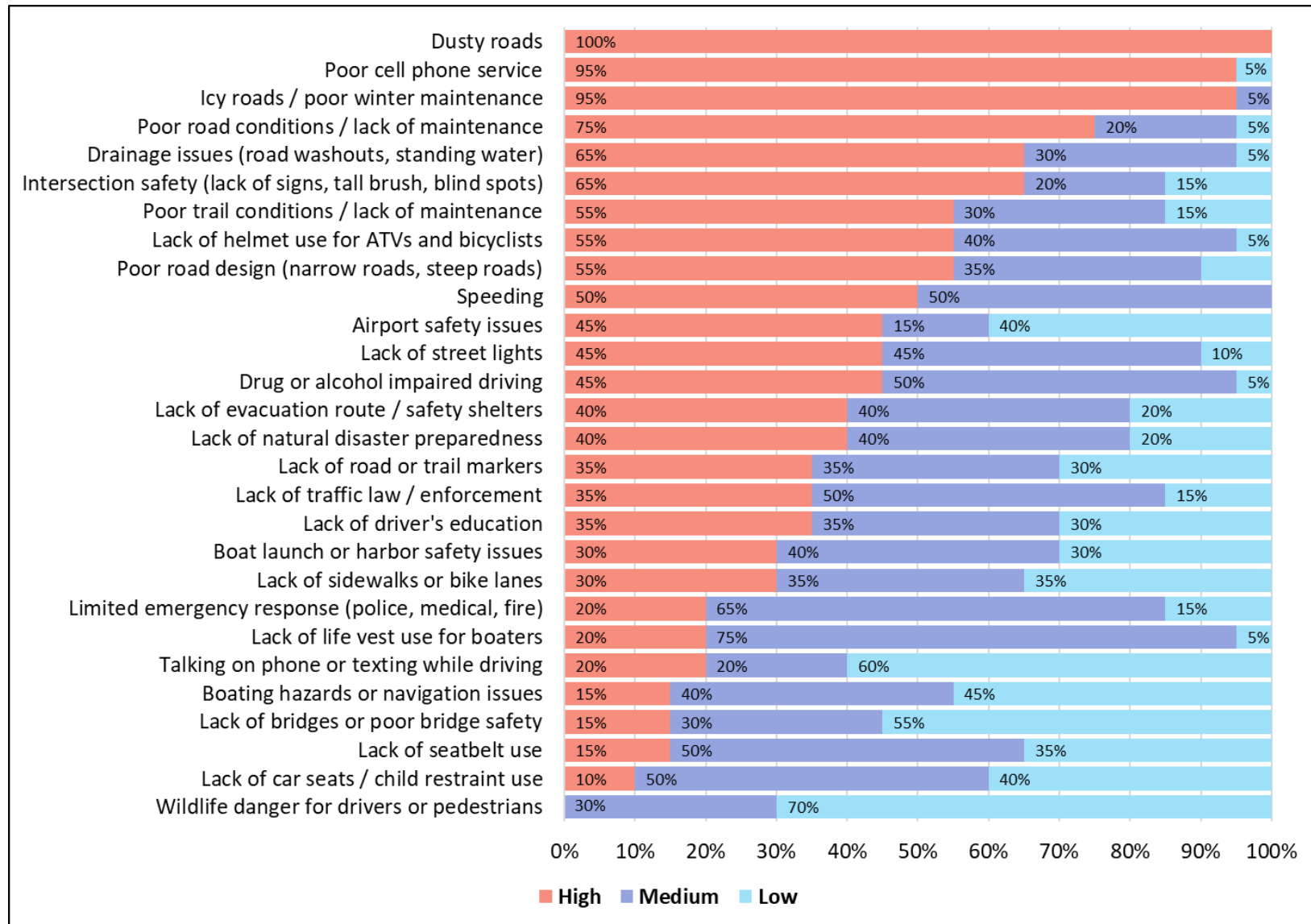
Question #1 helps portray what the community regards as high priorities in terms of transportation safety issues. The results are shown in Exhibit 2, which are sorted by priority from highest priority to lowest priority.

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that “**safety issues**” are problems that cause death, injury or illness, and “**transportation system**” means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either “H” “M” or “L”

According to Exhibit 2, “dusty roads” is the community’s high transportation safety priority, marked as a high priority by 100% of survey participants. “Poor cell phone service” and “icy roads / poor winter maintenance” were both marked a high priority by 95% of survey participants, and “poor road conditions / lack of maintenance” was ranked the fourth highest priority by the community. This graph is a good representation of the community’s highest and lowest transportation safety concerns.

Exhibit 2: Community Safety Priorities



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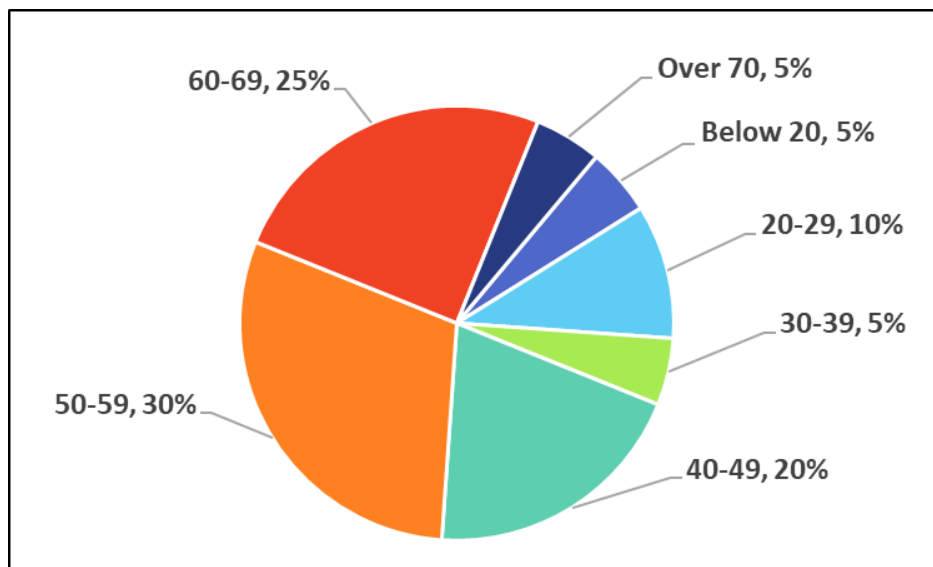
3.2.2 Question #2: Survey Respondent Age

Question #2 collects data about the age of survey respondents, providing demographic information for the survey. This data helps correlate age groups to the various modes of transportation used throughout the community (Question #3), which can help identify where to focus safety education and outreach.

2. How old are you? _____

The results of Question #2 are shown in Exhibit 3.

Exhibit 3: Survey Respondent Ages



More than half of the survey participants were over the age of 50.

3.2.3 Question #3: Transportation Modes

Question #3 demonstrates the most common transportation modes within the Community.

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler	Snow machine	Truck	Car	SUV
Walk	Bike	Get a ride	Boat	
Other _____				

Exhibit 4 and Exhibit 5 show the results of Question #3. Since the option was given to select more than one answer, Exhibit 4 shows the number of times each mode was circled, whereas Exhibit 5 shows how many modes of travel were selected by each person.

Exhibit 4: Modes of Transportation

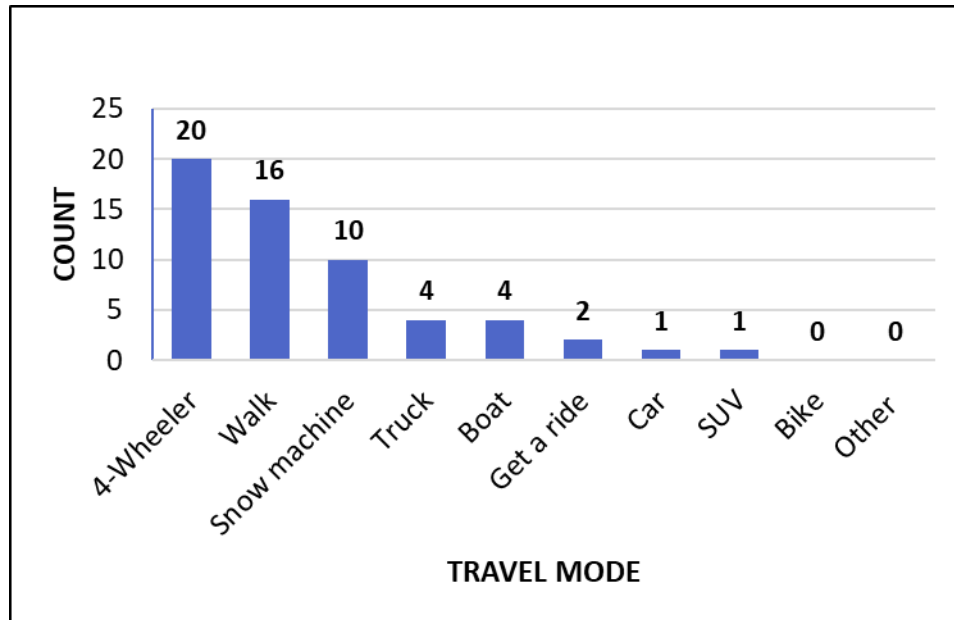
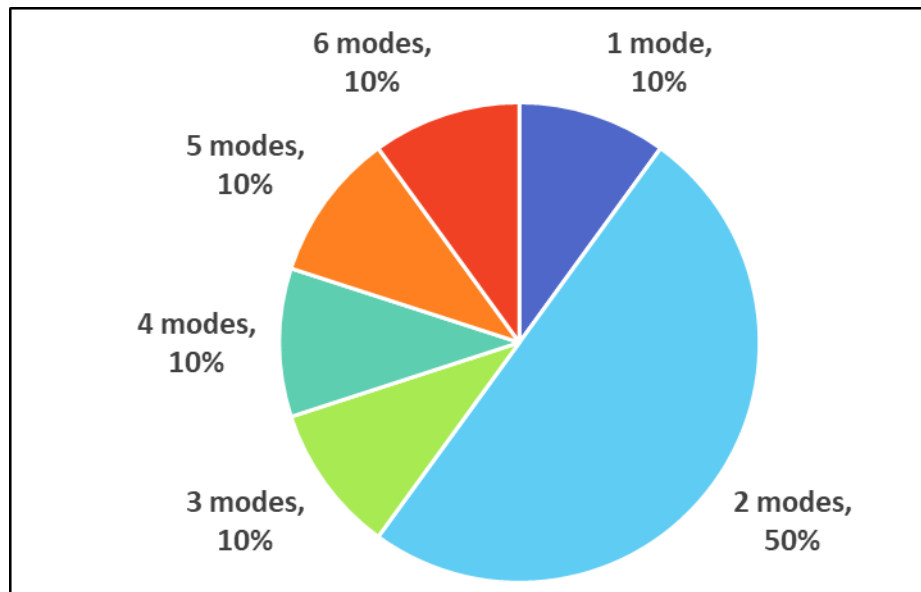


Exhibit 5: Number of Modes



The most common means of getting around New Stuyahok is by 4-wheeler. 100% of responses circled 4-wheeler, and 10% circled 4-wheeler only. Since 80% of people walk to

travel within the community, pedestrian safety as well as ATV safety should be considered high priorities for transportation safety.

Exhibit 5 shows how the community relies on multiple modes of transportation. 50% of respondents marked 2 modes of transportation, and 40% marked 3 or more modes. Additionally, 40% of respondents indicated they use a combination of 4-wheelers, snow machines, and walking to get around the community.

3.2.4 Question #4: Anecdotal Crash Data

Question #4 of the survey helped gather data about recent transportation related accidents within the Community.

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

Ten people provided answers for Question #4. Their responses are displayed on Table 3. Many of these responses seem to be describing the incidents summarized by the New Stuyahok VPSO in Section 3.1. Common accident causes include impaired driving and tall brush causing blind corners. The Old Airport appears to be a common crash location. None of the reported incidents were known to have an ambulance or police report on scene.

It is important to note that information provided in Table 3 is based on human memory, not fact, but it provides a general understanding of the nature of local traffic accidents.

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Table 3: Anecdotal Crash Data Summary

Survey No.	Month	Year	What happened	Cause	Location	Age of people involved	Injuries or property damage	Types of vehicles involved	Pedestrians or bicycles involved	Drug or alcohol use	Police on scene	Ambulance on scene
2	Don't remember		Adults whose in positions getting into [illegible] business knowing their own family on boards wont hold them accountable	Alcohol use	Unsure but saw truck later	50's-60's	Property damage	2 trucks	No	Yes, Alcohol	Don't know	No
3	April	2004	Two cars collide in small airport	Brush	Old airport	40/30	none	Truck / truck	No	No	Don't know	No
4	June	2018	2 ATV's bumped each other that put 2 boys in the	Speeding/ riding in dark	Old airport road	13 to 17	Yes	ATV	No	No	Don't know	No
11	April	2007	Two trucks collide small airport, brush too high, boat on same lane	Brush too thick & high	Small airport	Middle age	Total one truck	Chevrolet sm truck	No	No	No	No
12	-	-	Totaled truck	Impaired driving	Airport Road & Wallace Street	Old	One truck no longer in use	Just person/ truck	No	Yes	Don't know	Don't know
14	August	2019	Someone drove off the road by the clinic	Don't know, maybe drunk driver	-	Don't know	Don't know	Truck	No	Yes	Don't know	Don't know
15	Sept?	2019	Truck off road	Drunk driving?	New HUD	Don't know	I don't think so	Truck	Don't know	Yes	Don't know	Don't know
16	-	2019	Truck went on side of road	DUI	-	-	-	-	-	-	-	-
19 (1)	Fall	2011	2 trucks bumped each other because of bad road conditions, trees created blind spot	Blind spot	Old airport	Don't know	Truck damaged	Trucks	No	No	Don't know	Don't know
19 (2)	August	2019	Truck ran off the road	Possible DUI	Wallace Street	Don't know	0 damages	Trucks	No	Yes	Don't know	Don't know
20	Sept	2010	Lack of visual, brushes and lack of road maintenance	Poor road, brushes	Old airport	40-60	Nothing serious	Truck	No	No	Don't know	Don't know

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3.2.5 Question #5: Safety Measures

Question #5 is an open-ended question aimed at collecting community ideas on how to improve local transportation safety. This style of question allows people to express their own ideas to address issues that may or may not have been listed in Question #1.

5. What do you think could be done to improve transportation safety in your community?

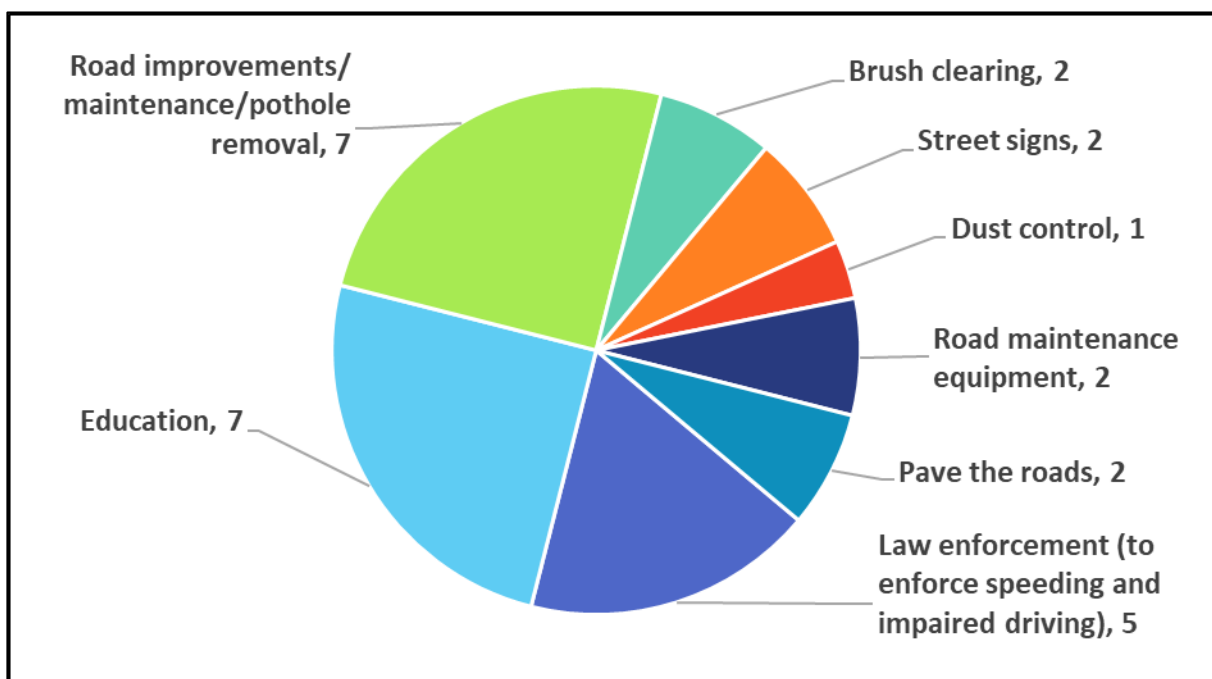
Seventeen of the 20 survey respondents provided one or more suggestions to improve transportation safety in the community. Their responses are quoted below:

1. "Law enforcement do prevention/education to the school age children on driving laws at least 2x a year, Repetition helps to instill safe behavior"
2. "Education/caution"
3. "Have a safety class"
4. "Better roads!!"
5. "Educate people, hire people to do roads, not just family"
6. "Parents/guardians should be aware for their child not to be driving Hondas/snow-goes"
7. "Cut down more trees to see oncoming traffic, fix the potholes around the village"
8. "Move stop signs from entering [illegible] road, pave more on pothole roads"
9. "Identified road maintenance (City) need to do more awareness to public access education, road maintenance area that are not good for speeding make sure slow down when corners are coming up and place signs"
10. "Brush cutting, strict rules on impaired driving"

11. "Fix potholes and washed away Main Road"
12. "Too much potholes, if funding available pave the roads"
13. "More VPOs"
14. "Provide equipment to maintain roads instead of covering up potholes and have them open up again"
15. "More law enforcement"
16. "Drivers should have driver's license and follow speed limit, we need VPSO/VPO certified"
17. "Road improvement, dust control, driver safety class, road maintenance and proper equipment"

The most common suggested safety measures include road improvements or maintenance to remove potholes, education, and improved law enforcement, as shown in Exhibit 6.

Exhibit 6: Community-Suggested Safety Measures



4.0 EMPHASIS AREAS

Bristol used data collected from the site visit, public survey, Council correspondence, and personal interviews to identify key safety emphasis areas for this Safety Plan. An “emphasis area” is an area of opportunity to improve safety through a comprehensive 4E approach (engineering, enforcement, education, and emergency services), as appropriate.

The Council is focusing on seven emphasis areas for this Plan:

1. Road Improvements
2. Trail Improvements
3. Road Maintenance
4. Impaired Driving
5. Young Drivers / Speeding
6. Boating Safety
7. Emergency Response

These emphasis areas were selected based on factors such as public meeting discussions, survey results, community priorities, and highest potential to prevent injury and death on the transportation system.

This section discusses the background and objectives of each emphasis area and identifies strategies or actions to address the emphasis area. The implementation plan discussed in Section 5 develops each strategy further by specifying instructions for target outputs, responsible parties, completion dates, performance measures, success indicators, and monitoring techniques.

4.1 ROAD & DRAINAGE IMPROVEMENTS

4.1.1 Background

The road system in New Stuyahok consists of gravel roads, many of which are deteriorating due to poor gravel material or inadequate drainage. Most streets have bad potholes and erosion issues. The community is situated on a sloping hill, and this topography causes snowmelt and rainwater runoff to drain downhill towards the downtown streets, causing flooding and standing water in the low-lying areas. Homes near the intersection of Birch Street and Main Street are at risk of flooding due to lack of road culverts. Many existing culverts are damaged or clogged with mud and debris. Additionally, many existing street signs are damaged and need to be replaced.

According to the community survey, 75% of people voted “poor road conditions/lack of maintenance” as a high safety priority, and 65% voted “drainage issues (road washouts, standing water)” as a high priority.

The Village is currently working on a project to rehabilitate four existing roads (First Street, Third Street, Wallace Street, and Ikviar Street), but construction has been delayed because affordable gravel sources are limited. Other roads need improvement as well, but were removed from the project due to limited funding. This emphasis area focuses on overall road conditions and includes projects that would rehabilitate deteriorating roadbeds, improve drainage, and install other features to improve roadway safety.

4.1.2 Objectives

Improve safety and accessibility of road system, rehabilitate deteriorating roads, and secure resources for road projects.

4.1.3 Strategies

Education

- Install street signs to control traffic and improve driver awareness

Enforcement

- Enforce speed limits through verbal warnings
- Inspect streetlights annually

Engineering

- Resurface deteriorating roads with new a gravel surface course, construct new drainage ditches, and install culverts as needed
- Install more streetlights, especially along Airport Road and at intersections, and replace existing streetlights with brighter LEDs
- Continue research and investigation for an affordable gravel source for road projects, working with BBNA Lands Department

Emergency Services

- Prioritize road rehabilitation for streets providing access to essential and emergency services including Airport Road, Clinic Road, Main Street, and Fox Street

4.2 TRAIL IMPROVEMENTS

4.2.1 Background

Trail transportation is an essential component of the local culture and economy. Residents rely on trails to access subsistence areas for fishing, hunting, and berry picking, as well as to access nearby communities including Ekwok, Levelock, Koliganek, and Dillingham. The Council is interested in rerouting some of the trails because they traverse rolling terrain. In the summer, trail conditions can be hazardous because the trails are muddy and bumpy. In the winter when the ground is covered in snow, the trails can be difficult to navigate because there are no trail markers. Lack of trail markers are also an environmental concern because people often deviate from designated trails, creating unauthorized trails and crushing natural vegetation. The community showed support of this emphasis area through the survey; “poor trail conditions / lack of maintenance” was marked a high priority by 55% of survey respondents.

Another safety concern is lack of cell service along the trails. If a traveler were to get lost or stuck, they would have no means to call for help. This is even a concern at the airport. The airport is located over 2.5-miles away from the community by road, and cell phone service does not reach that far. There are concerns about people being dropped off without a ride to town or any way to call for help if needed. Several subsistence trailheads are accessed from Airport Road.

4.2.2 Objectives

Improve trail safety, access, and navigability.

4.2.3 Strategies

Education

- Use VHF announcements and posters to educate community about trail safety

Enforcement

- Install trail markers to enforce people to stay on designated trails

Engineering

- Identify new trail alignments, build up existing trails, conduct environmental research, and provide safe stream crossings

Emergency Services

- Maintain trail markers to help people navigate trails during winter weather

- Expand GCI cell service to provide emergency communications on trails, including the airport
- Train a team of search and rescue volunteers
- Acquire an ATV for the VPSO to assist with search and rescue operations

4.3 ROAD MAINTENANCE

4.3.1 Background

This section focuses on four major road maintenance activities: road grading, snow/ice removal, brush cutting, and dust control. Based on public survey results, “poor road conditions / lack of maintenance” was ranked a high priority by 75% of participants, making it a top safety priority for the community. Road maintenance activities are currently performed by the City and funded by the Tribe’s TTP funds through an MOA, but limited access to maintenance resources and equipment can inhibit maintenance activities.

For example, the City owns a dozer and a smaller loader which are used to grade the roads as needed. However, these are not ideal equipment for road grading. The Tribe is currently working with BBNA to obtain a small grader for the community. Without proper equipment, it can be challenging to keep the roads clear of potholes and ruts. An uneven driving surface can be driving obstacle, can cause drivers to swerve into other lanes to avoid potholes, and can increase wear-and-tear on vehicles.

The City is also in need of winter maintenance equipment including a dump truck and sander. Although the City plows snow to the side of the road, they do not have a truck to haul the snow away. This causes snow berms to build up over time, creating visibility blocks around corners and driveways, and also causes excess runoff and flooding issues during spring break up. The combination of steep roads/embankments and snow/ice accumulation can make traveling a challenge during the winter. Both roads and walking paths can become slippery, reducing traction for motor vehicles and pedestrians. Main Street has an approximately 12% grade, which is 3% steeper than the maximum design standard for local minor roads on rolling terrain. A sander is desired to help increase traction for vehicles on icy roads. According to Council members, three elders were hospitalized and one youth received a concussion during the winter of 2018-2019 due to slipping on ice. A health aide at the New Stuyahok Clinic explained that one of the elders sustained a fractured hip, and the other two had minor ankle sprains. Additionally, the New Stuyahok VPSO reported one incident of a snowmobile driver crashing into a ditch due to slippery roads in early 2018. Community survey results show that icy roads/poor winter maintenance is among the communities top three transportation safety concerns.

Brush cutting is another high priority maintenance activity. Natural vegetation surrounds the road shoulders, blocking visibility at corners and growing over existing street signs. One reported ATV accident occurred in August 2018 at an intersection with thick brush, involving a collision with two vehicles due to poor visibility.

Finally, improved dust control efforts are desired; 100% of survey participants voted “dusty roads” as a high safety priority, making it the community’s #1 transportation concern. The Tribe is researching dust suppression alternatives including water application or calcium chloride. Besides being a nuisance, dust can settle on subsistence foods such as natural berry patches or salmon hanging out to dry. Inhaling airborne dust is also a health risk, particularly for children, elders, and people with respiratory issues. Dust contains particulate matter that can irritate a person’s eyes and throat, aggravate existing heart and lung disease, and damage lung tissue.

Road maintenance was frequently mentioned by community members in the public survey. When asked for ways to improve transportation safety, seven people recommended improved road maintenance and pothole removal, two people recommended more brush clearing, two people recommended obtaining better equipment for road maintenance, and one person suggested better dust control.

4.3.2 Objectives

Enhance road maintenance efforts, improve visibility in road corridors, improve access to maintenance equipment and resources, reduce dust emissions, and extend longevity of transportation facilities.

4.3.3 Strategies

Education

- Work with City to ensure maintenance operators have appropriate training including commercial driver’s license (CDL) training

Enforcement

- Enforce road maintenance efforts between the Tribe and City through a Memorandum of Understanding (MOU) and have a Tribal representative attend monthly City Council meetings to improve communication between the two entities

Engineering

- Continue to perform road maintenance as needed including road grading, pothole mitigation, and ditch and culvert cleaning
- Evaluate and implement a dust suppression strategy

- Repair existing road grader, or purchase a new one, and procure a new dump truck and sander
- Enhance brush cutting maintenance, prioritizing popular intersections

Emergency Services

- Continue to plow snow after major snow events, use the grader and apply sand to reduce icing on roadways
- Replace burnt-out streetlights to provide safe accessibility for emergency response vehicles
- Maintain and test fire hydrants annually

4.4 IMPAIRED DRIVING

4.4.1 Background

New Stuyahok is considered a “damp” community because there are no restrictions on alcohol, but there are currently no bars or liquor stores in the village. During an interview with the New Stuyahok VPSO in September 2018, Officer Wagner estimated 18-24 DUIs were cited in his 18-month period in the position. This averages over 1 DUI per month.

The community recognizes impaired driving as one of the top safety concerns. About 45% of survey participants marked “drug or alcohol impaired driving” as a high priority. Of the 11 responses provided in Question #4 of the survey, 6 indicated suspected alcohol use.

4.4.2 Objectives

Reduce the number of DUIs issued per year and improve community education about the risks of impaired driving.

4.4.3 Strategies

Education

- Install posters in the school about the dangers of impaired driving
- Coordinate with teachers to host safety classes at the school
- Have community meetings about the impaired driving issues
- Utilize monthly newsletters to promote awareness of drunk driving
- Encourage family conversations

Enforcement

- Work with local police to continue issuing citations for impaired driving
- Improve community awareness about citation costs
- Increase patrol hours for police and provide training for citations and traffic stops

Engineering

- Investigate engineering strategies to implement in the future

Emergency Services

- Improve communications between Tribe, City, police, and other safety partners
- Update public posters with emergency contact information
- Make announcements via VHF radio to communicate emergency response resources
- Refresh training for local volunteer Emergency Medical Technician (EMT) and Emergency Trauma Technician (ETT) personnel
- Continue coordination and funding of VPSO and VPO positions

4.5 YOUNG DRIVERS / SPEEDING

4.5.1 Background

At least 50% of public survey participants believe speeding is a high safety priority. Most speeding occurs on long-straight sections of road, especially on the Main Road to the airport. Discussions with the New Stuyahok Safety Planning Team indicates that speeding violators are often young drivers. Kids between 8- and 16-years old drive ATVs, often without helmets, and sometimes recklessly with multiple people on the front or back racks. There have been multiple occurrences of kids taking ATVs out late at night without permission from their parents. According to residents, this is how the two ATV accidents occurred in the summer of 2018. The crashes resulted in three serious injuries and two minor injuries altogether. Lack of enforcement and driver's education are restricting safety improvements for young drivers.

"Lack of helmet use for ATVs and bicyclists" was voted a high priority by 55% of survey respondents, and "speeding" was voted a high priority by 50%, indicating these issues are among the community's top 10 safety concerns.

4.5.2 Objectives

Reduce speeding on local roads, improve helmet use for young drivers, and provide more local options for driver's education.

4.5.3 Strategies

Education

- Host ATV safety courses at the school every year
- Create posters to hang up around the community about ATV driving safety; kids could create their own poster projects at the school

Enforcement

- Once helmets are purchased, implement a City ordinance to require helmets for drivers below the age of 16 on ATVs
- Continue police efforts to ticket speeding and give verbal warnings to violators

Engineering

- Cut brush around existing speed limit signs

Emergency Services

- Encourage communication with safety partners through VHF radio
- Participate in Alaska's Helmet Program every year, or as needed, to obtain properly sized helmets for all young drivers 16 years old and younger

4.6 BOATING SAFETY

4.6.1 Background

Boating is an important economic and cultural mode of transportation for the community. People travel using personal skiffs along the Nushagak River in ice-free months to fish, and to access nearby communities and other subsistence areas. Residents launch skiffs and fishing vessels off a sand beach, and park their boats in a designated fenced storage area. There are no permanent harbor or dock facilities. The community has a Kids Don't Float loaner board, but is not currently stocked with life vests because they have all been misplaced.

Although there are no recent reported boating accidents near New Stuyahok according to the US Coast Guard Boating Safety Resource Center, the local VSPO explained there have been accidents in the past. One Council member described an incident that occurred "several years ago" where a boat turned over in a strong current, and alcohol was involved.

4.6.2 Objectives

Reduce the risk of boating accidents and improve public access to boating safety gear and educational resources.

4.6.3 Strategies

Education

- Hang educational posters about personal flotation devices
- Utilize monthly newsletters to inform the public about safe boating practices, and encourage people to use Kids Don't Float life vests but to return them after use

Enforcement

- Improve enforcement of life vest use while boating

Engineering

- Keep beach maintained and remove driftwood debris

Emergency Services

- Apply to the Alaska Kids Don't Float program to restock the loaner board
- Encourage people to share their travel plans with family members so they know where to look if an emergency occurs
- Provide safety gear for people to develop their own boating survival kits

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5.0 IMPLEMENTATION PLAN

The Council plans to begin implementation of this TTSP in the 2020 calendar year. The Council will schedule projects based on priorities recommended by the community and approved by the Council. More information regarding project scheduling may be added in the plan during yearly updates.

An Implementation Plan Matrix for each emphasis area is attached in Appendix C. The matrix is to be used by the Council to plan safety projects. The matrix identifies the following information:

- Objectives of the emphasis area
- The strategic linkage, or evidence that shows a need to prioritize the emphasis area
- Success indicators, or completed tasks that demonstrate successful implementation of the proposed projects
- For each of the 4E's of Safety:
 - Actions and proposed strategies to improve the safety emphasis area
 - Target output, or goal of each strategy listed
 - Responsible parties that are assigned to each task listed, subject to change with management positions
 - Date of completion, estimated for each strategy listed, which may be on-going
 - Performance measures that indicate the completion of a project
 - Monitoring and evaluation methods to analyze the effectiveness of a completed project or strategy, which can help improve future project planning

5.1 EVALUATION PROCESS

At least once per year, this plan will be evaluated by the Council's Safety Champion, or other staff members as directed by the Council. The plan will be updated as needed. For example, emphasis areas may be removed, added, or modified as safety measures are successfully implemented or as safety priorities change within the community. A Council meeting, open to the public, will be held to discuss major changes to the plan as well as strategies for future safety projects and decisions regarding potential funding sources.

5.2 NEXT STEPS

Several steps still need to be taken after this plan is finalized. The recommended actions for the Council are listed below in chronological order:

1. Develop an official resolution to adopt this plan
2. Use this plan and data provided in this plan to apply for funds for safety projects through the Tribal Transportation Safety Funds and other sources (see Section 5.3)
3. Apply for safety audits to evaluate the existing transportation facilities and receive recommended solutions to improve safety
4. Include the public in decision making processes via public meetings and announcements to ensure proposed projects are benefitting the community
5. Select strategies outlined in this plan to address safety concerns and begin planning projects, starting with the highest priority emphasis areas
6. Develop a detailed project schedule to keep projects on track and ensure success
7. Apply for funding for engineering, design, and construction services for high priority projects
8. Monitor and evaluate construction activities and performance measures outlined in the Implementation Plan
9. Record completed projects and maintain as-built documents for future use
10. Update this plan and repeat these steps when projects are completed, or every 5 years

5.3 FUNDING SOURCES

Funding is a major element to completing safety improvement projects. Various available funding sources are listed below. This list may not be comprehensive and is subject to change.

- Tribal Transportation Program Safety Funds
 - o FHWA manages the Tribal Transportation Program (TTP). Each year under the Fixing America's Surface Transportation (FAST) Act, 2% of available TTP funds are set aside to address transportation safety issues in Native America.

- o More information about this program can be found at:
<https://flh.fhwa.dot.gov/programs/ttp/safety/ttspf.htm>
- Alaska DOT&PF Highway Safety Grant
 - o Every year, the Alaska DOT&PF through its Highway Safety Office (AHSO) funds grants which address specific traffic safety priority areas. The Highway Safety Grant is available for Federal Fiscal Year 2019 (October 1, 2018 to September 30, 2019).
 - o Other funding resources are available on their website including grant application forms and instructions, tips and tactics for success, and traffic data sources.
 - o More information can be found at:
<http://www.dot.state.ak.us/highwaysafety/forms.shtml>
- Alaska DOT&PF Highway Safety Improvement Program (HSIP)
 - o The Alaska HSIP annually identifies high accident locations on Alaska roads, evaluates corrective measures, funds the most cost effective ones, and evaluates their effectiveness after projects are completed. The HSIP mission is to identify and fund highway safety projects that maximize lives saved and injuries eliminated per dollar spent.
 - o More information can be found at:
<http://dot.alaska.gov/stwddes/dcstraffic/hsip.shtml>
- Alaska Transportation Alternatives Program (ATAP)
 - o The ATAP provides funding for programs and projects defined as transportation alternatives meeting eligibility requirements. There are over \$2.6 Million in funds available for rural communities within the State for Fiscal Year 2018. Availability of funding in future years is to be determined.
 - o More information can be found at:
<http://dot.alaska.gov/stwdplng/atap/index.shtml>
- Alaska DOT&PF Safe Routes to School Grant
 - o Grants are available through the Safe Routes to School Program to help plan, design, or complete construction improvements that enable and encourage children to safely walk or bicycle to school.
 - o More information can be found at:
<http://www.dot.state.ak.us/stwdplng/saferoutes/grants.shtml>

- Alaska DOT&PF Statewide Transportation Improvements Program (STIP)
 - The Alaska STIP helps fund air, land, and water transportation projects in Alaska that have been formally proposed by residents, elected officials, and transportation professionals every four years.
 - More information can be found at:
<http://dot.alaska.gov/stwdplng/cip/stip/index.shtml>
- Alaska DOT&PF Public Transit Funding
 - The State of Alaska maintains various public transit programs to aid in funding across the state. These include the Non-Urban Formula Grants, Rural Transportation Assistance Program (RTAP), American Recovery and Reinvestment Act of 2009 (ARRA) Funding Distribution, and the Tribal Transit Program Funds.
 - More information can be found at:
http://dot.alaska.gov/transit/pt_funding_overview.shtml
- Denali Commission Grants
 - The Denali Commission is an independent federal agency designed to provide critical utilities, infrastructure, and economic support throughout Alaska. Various funding opportunities are available through their Energy Program, Transportation Program, Health Facilities Program, and Training Program.
 - More information can be found at: <https://www.denali.gov/grants/>
- Grants.gov
 - [Www.grants.gov](http://www.grants.gov) is a public website where all federal agency discretionary funding opportunities are posted for grantees to find and apply to them. The search function can be used to sort out transportation related grants. Some grant postings close after only two weeks, so it is important to check for opportunities frequently.
- Better Utilizing Investments to Leverage Development (BUILD) Grants
 - The BUILD discretionary grant program awards funds on a competitive basis for road, bridge, transit, rail, port, or intermodal transportation projects that will have a significant local or regional impact.
 - More information can be found at:
<https://www.transportation.gov/BUILDgrants>

A general outline of additional national and state-level grant and safety programs is provided below. Some of the programs are dedicated specifically to safety, while others have broader application.

- FHWA funds, administered by the states for safety only, include:
 - Hazard Elimination Program (HES)
 - Highway-Rail Grade (public) Crossings
- FHWA funds, administered by the states for activities, including safety:
 - Surface Transportation Program (STP)
 - Interstate Maintenance (IM)
 - Highway Bridge Replacement and Rehabilitation Program (HBRRP)
 - Intelligent Transportation System (ITS)
 - Highway Planning and Research (HPR)
- US DOT sponsored training programs, including safety topics:
 - National Highway Institute (NHI)
 - Tribal Technical Assistance Program (TTAP)
 - US DOT transportation project grants
- National Highway Traffic Safety Administration (NHTSA) funds administered by the states through the Governor's representative (safety only):
 - State and Community Highway Safety Grant
 - Intoxicated Driver Prevention Program
 - Alcohol-impaired Driving Countermeasures Incentive Grants
 - Safety Incentive Grants for the Use of Seat Belts
 - Occupant Protection Incentive Grants
 - State Highway Safety Data Improvement Grants
 - Child Passenger Education Program
 - Research and Demonstration Grants
 - Training
- TTP Program jointly administered by the Bureau of Indian Affairs (BIA) DOT and the Federal Lands Highway Office and funded by FHWA:
 - 2% Planning Funds

- o Construction Funds
 - o Safety Management Systems (SMS)
 - o Tribal Highway Safety Improvement Program (THSIP)
- Highway Safety Programs administered by BIA Highway Safety Office (HSO) program and funded by NHTSA (safety only):
 - o State and Community Highway Safety Grant
 - o State Highway Safety Data Improvement Grants
 - o Child Passenger Education Program
- State funded and administered (not all states):
 - o State Highway Funds
 - o State Safety Funds
 - o Transportation Loan Programs
 - o Local Technical Assistance Program (LTAP)

5.4 ADDITIONAL SAFETY RESOURCES

Safety resources are continuously evolving. A short list of health and safety organizations useful for Alaskan communities is provided below. Many of these programs can provide educational resources such as posters, as well as safety gear for communities such as helmets and life jackets.

- The Alaska Department of Health and Social Services (DHSS) provides several significant Injury Prevention Programs including Helmet Safety, Bike-n-Walk Safely, Kid's Don't Float, and more. A few of these programs are described in further detail below. For more information on the other programs, visit:

<http://dhss.alaska.gov/dph/Chronic/Pages/InjuryPrevention/default.aspx>

- Alaska Helmet Safety Program – The Alaska DHSS provides various resources for youth ATV safety and helmet education. Grant opportunities may be available. Program and contact information can be found at:

<http://dhss.alaska.gov/dph/Chronic/Pages/InjuryPrevention/HelmetSafety/atv/default.aspx>

- Alaska Reflector Program – The Alaska DHSS reflector program works to increase the safety of children by using reflective, high-visibility products. Program and contact information can be found at: http://dhss.alaska.gov/dph/Chronic/Pages/InjuryPrevention/Reflector_Old/Default.aspx
- Center for Safe Alaskans – This program works to prevent injuries, promote wellbeing and improve safety for all Alaskans. They provide several services including FREE reflective tape, car seat assistance, and more. Find more information at: <https://safealaskans.org/>
- Bristol Bay Area Health Corporation – BBAHC provides health care services, as well as the Community Health Aide Program, Emergency Medical Services (EMS)/first responder training, and other health educational programs for communities within Bristol Bay. Find more information at: <https://www.bbahc.org/>
- Centers for Disease Control and Prevention (CDC) – The CDC has a multitude of motor vehicle safety resources including “Get the Facts” sheets, State Fact Sheets, and “What Works” strategy sheets for various safety topics including child passenger safety, seat belts, teen drivers, older adult drivers, impaired driving, distracted driving, pedestrian safety, Tribal road safety, bicycle safety, and more. Find more information at: <https://www.cdc.gov/motorvehiclesafety/>
- NHTSA – Fatality Analysis Reporting System (FARS) is a nationwide census providing NHTSA, Congress, and the American public yearly data regarding fatal injuries suffered in motor vehicle traffic crashes. The site offers a customizable fatality data query system. This site also provides road safety resources and tips for various safety topics.
FARS: <https://www.nhtsa.gov/research-data/fatality-analysis-reporting-system-fars>
Road Safety Tips: <https://www.nhtsa.gov/road-safety>
- National Safety Council – This organization provides resources on developing a Safety Management System (SMS), which is a continuous improvement process that reduces hazards and prevents incidents. Find more information at: <https://www.nsc.org/work-safety/tools-resources/safety-for-business/ask-us>

- Road Safety Audits (RSAs) – The FHWA provides resources for conducting RSAs, which are an effective tool for proactively improving the future safety performance of a road project during the planning and design stages, and for identifying safety issues in existing transportation facilities. Find more information at:
<https://safety.fhwa.dot.gov/rsa/>
- FHWA Tribal Transportation – This website provides an overview of tribal transportation safety topics, programs, policies, crash data, and more.
https://www.fhwa.dot.gov/tribal/topics/safety/saf_ack/saf_guide.htm
- Countermeasures that Work – A Highway Safety Countermeasure Guide for State Highway Safety Offices, Eighth Edition, 2015, NHTSA. https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/812478_countermeasures-that-work-a-highway-safety-countermeasures-guide-.pdf

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APPENDIX A: PUBLIC INVOLVEMENT



TRIP REPORT & MEETING MINUTES

Project: **BBNA THMP & TTSP Project**

Bristol Project No: 32190013

Reference: New Stuyahok Planning Team Meetings & Public Meetings

Date of Meeting: October 8-9, 2018

Location of Meeting: New Stuyahok QC Building

Participants:

Bristol: Danielle Dance, Jackie Wander

BBNA: Annie Fritze

Planning Team: See attached sign in sheet

Public Meeting: See attached sign in sheet

Summary

Jackie and Danielle arrived in New Stuyahok around 1:30 PM on October 8, 2018 for the Tribal Hazard Mitigation Plan (THMP) & Tribal Hazard Mitigation Plan (TTSP) Project. They met with three planning team members from 2:00 PM to 3:30 PM to go through the THMP Worksheet #3, which identifies community assets and indicates which hazards affect them. Then from 4:00 PM to 6:00 PM, Jackie and Danielle held a public meeting to discuss the plans with community members. Annie arrived in New Stuyahok around 5:00 PM.

The next day, they met with the planning team again at 9:00 AM to identify and prioritize hazard vulnerability statements, goals, and mitigation strategies. They also discussed the TTSP, determining emphasis areas for the plan and filling out the implementation plan matrix for each emphasis area. Topics discussed during the meetings are summarized below. They departed from New Stuyahok around 11:00 AM.

THMP Planning Team Meeting Notes

- Filled out Worksheet #3 (attached)
 - Updated list of assets & determined occupancy counts for each asset
 - Determined which hazards affect which assets
- General notes taken during asset / hazard discussion:
 - Very low water in river during drought and dry spells
 - Largest concern during high heat is the tank farm
 - The tank farm is now up on the hill by the school and can be impacted by erosion
 - Volcanic ash fall would impact everything
 - They had to dig a trench around the entire tribal building to mitigate flooding
 - Old school and gym are abandoned, but they have steel frames and a good foundation, so they may be renovated in the future. They may be demolished, but the council would like to include them as assets for now.
 - The fuel farm by the lagoon is owned by the New Stuyahok fuel company, and the one by the school is owned by AVEC.

- o There are three bridge/stream crossings (identified on map) that could be considered community assets
 - o Hazard protection and replacement projects would create jobs and benefit the economy
- Some potential mitigation strategies were discussed
 - o Acquire a dump truck to be able to haul away plowed snow. It currently sits on the side of the road and when it melts in the spring, it causes erosion down the hill
 - o Coordinate with the City for a drainage maintenance plan
 - o Continue brush cutting efforts to reduce fire hazard near structures
 - o Coordinate with the City to have a meeting to develop a plan for emergency warning system and procedures

TTSP Planning Team Meeting Notes

- They did a lot of brush cutting this spring
- Kids disobey and take ATVs out late at night, which is what happened for the two reported ATV crashes
- Need a dump truck to manage snow
- Lucy's program has volunteer shadows that can help go door-to-door to distribute the surveys
- There are existing signs but brush has overgrown and covered them
- Culverts fill with mud due to erosion issues
- Streetlights are needed from the old airport to the new airport. Lights need to go through AVEC (talk to Mary, CEO). Would also like lights at intersections.
- Since the City maintains the roads, would like to work closer with them and have a tribal representative attend their monthly meetings
- Include information in newsletters
- Looking for a gravel source out of Dillingham, but the material is on high demand
- Annie to work with the BBNA lands department about possible gravel sources
- Need to reroute some of the Honda trails because they traverse over hilly terrain
- Work with the BBNA forestry department for trail improvements
- BBNA has a maintenance training program
- The Tribe has an MOU with the City for maintenance
- They have 2 CPO's (City Police Officers)
- In fall 2018, they drained the hydrants. Would like to do this more often.
- Implemented Kids Don't Float, but all of the vests are gone already so they need more
- Emphasis areas chosen for the plan:
 - o Road improvements
 - o Trail improvements
 - o Road maintenance
 - o Intoxicated driving
 - o Young drivers (include speeding)
 - o Emergency response
 - o Boating safety
- Actions / strategies discussed for the plan were filled out in the implementation plan matrix (see attached)

THMP Public Meeting Notes

- Earthquakes cause objects to fall, but no structural damage
- Severe wind is a concern, it can cause roofs to fly off or knock over power poles
- Can experience extreme cold, causes pipes to freeze
- Large flooding event in 1944 that flooded entire lower area of community
- Volcanic ash from the Redoubt eruption a couple of years ago
- Extreme heat has been occurring more frequently than in the past, they typically have 2-3 days of extreme temperatures every summer. This causes lower berry production. They did not have any salmonberries this year.
- River can rise, causing flooding
- The beach is vulnerable to erosion in the spring. There are some homes and buildings close to the erosion areas. People have noticed exposed foundations of houses due to rainfall erosion paths. Erosion is caused by spring thaw and rain runoff.
- Fox Street and First Street have bad erosion issues.
- Rain is more intense lately, and slides down the hill through the community.
- They use to have ice problems on the river, but they have reduced in severity due to the sand bar.
- Communication systems are an asset
- Families are the biggest asset
- Some strategies ideas were discussed during the meeting:
 - Would like to work with AVEC to provide a backup generator in the event of a power outage.
 - Work with the City to improve drainage and culvert maintenance
 - Need to identify a shelter / muster point
 - Have home plans (food, water, firewood, procedures)
 - Ensure VHF capability for communications
 - Maintain fire response, inspect fire hydrants and equipment, training a crew
 - Community education
 - Street signs on roads
 - Drinking water backup plan in case City water goes down
 - Mitigate dust that occurs during drought (pave or water roads)

TTSP Public Meeting Notes

- More drunk driving than reported DUIs
- Need to get more maintenance equipment
- More community awareness about current projects, make announcements during town meetings or social events such as school dances, have safety minutes more often

Attachments:

1. Planning Team Meeting Sign-in Sheet
2. Planning Team Meeting Agenda
3. Worksheet #3: Asset Analysis
4. Safety Plan Candidate Emphasis Areas
5. Safety Implementation Plan Notes
6. Public Meeting Sign-in Sheet

October 15, 2018
Page 4

7. Public Meeting Flyer
8. Public Meeting Handouts
9. Public Meeting Presentation Slides

End Meeting Minutes

CC: File

Planning Team Meeting

New Stuyahok Tribal Hazard Mitigation Plan (2019 - 2024) & Tribal Transportation Safety Plan

Date / Location: October 8 , 2018

Sign In Sheet

Name	Phone	Email
Margie Hastings	693 3194	mhastings@alaska.edu
Mary Olympic	693-3173	newstutibe@hotmail.com
Wassillie Andrews	693-6349	
Oct 9, 2018		
Derek Hanson	693-3244	nahasda-17@hotmail.com
Ariel Roberts	693-3244	nahasda-planner18@outlook.com
Mary Olympic		
Wassillie Andrews		

HAZARD MITIGATION PLAN & TRANSPORTATION SAFETY PLAN

PLANNING TEAM MEETING AGENDA

MONDAY, OCTOBER 8

Hazard Mitigation Plan

1:00 PM	Introductions Project Background & Schedule
1:15 PM	Worksheet 2 – Hazard Analysis
1:30 PM	Worksheet 3 – Risk Analysis
2:00 PM	Worksheet 4 – Vulnerability Statements Worksheet 5 – Mitigation Goals
2:30 PM	Worksheet 6 – Mitigation Action Plan
3:30 PM	BREAK

4:00 PM COMBINED PUBLIC MEETING (2 HOURS)

TUESDAY, OCTOBER 9

Transportation Safety Plan

9:00 AM	Determine Emphasis Areas
9:30 AM	Implementation Plan Matrix
10:30 AM	Closing Statements Action Items

Risk Analysis Worksheet *(Profiled Hazards Only)*

Column A Facility Name	Column B Number of Occupants	Column C Location	Column D Estimated Value	Column E: Hazard Impacts <i>(Fill in Hazards in Blank Columns Below)</i>											
				Drought	Earthquake	Erosion	Extreme Cold	Flood	Severe Wind	Severe Winter Weather	Volcano	Wildfire			
Airport Terminal	10				X	X	X		X	X	X	X			
AVEC Bulk Storage Tanks	2			X	X	X	X		X	X	X	X			
AVEC Power Plant	2			X	X	X	X		X	X	X	X			
BBNA Headstart	3			X	X	X	X		X	X	X	X			
Blue Building / Church Office / Apartment	6				x	x	x		x	x	x	x			
City Dump	1				x	x	x		x	x	x	x			
City Equipment Shed	2			x	x	x	x		x	x	x	x			
City Office	10			x	x	x	x	x	x	x	x	x			
Clinic/Public Safety Building/VPSO	3			x	x	x	x		x	x	x	x			
Duplex Housing	N/A			x	x	x	x		x	x	x	x			
Duplex Housing (Offices)	4			x	x	x	x		x	x	x	x			
Family Resource Center/Clinic/Tribal Building	10			x	x	x	x	x	x	x	x	x			
GCI Tower	1			x	x	x	x		x	x	x	x			
Greenhouse	1			x	x	x	x		x	x	x	x			
New Water Lift Station	1			x	x	x	x	x	x	x	x	x			
Public Store	10			x	x	x	x	x	x	x	x	x			

Risk Analysis Worksheet *(Profiled Hazards Only)*

Column A Facility Name	Column B Number of Occupants	Column C Location	Column D Estimated Value	Column E: Hazard Impacts <i>(Fill in Hazards in Blank Columns Below)</i>											
				Drought	Earthquake	Erosion	Extreme Cold	Flood	Severe Wind	Severe Winter Weather	Volcano	Wildfire			
School CIBS (NEW)	200			x	x	x	x	x	x	x	x	x			
School Gym/Booster Club	N/A			x	x	x	x	x	x	x	x	x			
Old High School	N/A			x	x	x	x	x	x	x	x	x			
Senior Center	10			x	x	x	x	x	x	x	x	x			
St. Sergius Orthodox Church	50			x	x	x	x	x	x	x	x	x			
Sunday School	1			x	x	x	x	x	x	x	x	x			
Tribal Building/Community Center/Ciuliamta Qasgia	5			x	x	x	x		x	x	x	x			
US Post Office	1			x	x	x	x		x	x	x	x			
Water Pumphouse	2			x	x	x	x	x	x	x	x	x			
Boat Storage	1			x	x	x	x	x	x	x	x	x			
Barge Landing	2			x	x	x	x	x	x	x	x	x			
Roads	N/A			x	x	x	x	x	x	x	x	x			
Trails	N/A			x	x	x	x	x	x	x	x	x			
Bulk Fuel Storage	10			x	x	x	x	x	x	x	x	x			
Sewage Lagoon	1			x	x	x	x	x	x	x	x	x			
Overhead Power Lines	N/A				x	x	x	x	x	x	x	x			

Risk Analysis Worksheet *(Profiled Hazards Only)*

Column A Facility Name	Column B Number of Occupants	Column C Location	Column D Estimated Value	Column E: Hazard Impacts <i>(Fill in Hazards in Blank Columns Below)</i>											
				Drought	Earthquake	Erosion	Extreme Cold	Flood	Severe Wind	Severe Winter Weather	Volcano	Wildfire			
Cemetery	N/A				x	x	x	x	x	x		x			
Berry Picking Areas/Subsistence Areas	N/A			x		x		x	x		x	x			
River	N/A			X		x	x	x		x	x				
Bridge (Landfill)	N/A				X	x		x	x	x		x			
AVPC Teacher Housing (3 buildings)				x	x	x	x		x	x	x	x			
Connexes (Council Supplies)	N/A				x	x	x		x	x	x	x			

New Stuyahok Tribal Transportation Safety Plan
Candidate Emphasis Areas

Emphasis Area	Strategic Linkage	Potential Strategies
Road Improvements	• Flooding and erosion issues • Existing potholes • Lack of intersection controls	• Resurface roads • Improve drainage • Streetlights and signs • Seek funding
Trail Improvements	• Lack of trail markers or maintenance	• Build up and reroute • Install trail markers • Bridges at stream crossings
Road Maintenance	• 1 car crash occurred at intersection with tall brush • 1 ATV sliding into ditch • Lack of maintenance equipment	• Brush cutting • Acquire grader and dump truck • Snow plowing
Intoxicated Driving	• ~20 DUIs in 1.5 years	• Community awareness
Speeding	• Speeding complaints	• Speed limit signs • Better enforcement
Young Drivers	• 2 reported car crashes involved young drivers (multiple occupants on one ATV)	• Driver's education, ATV safety course at school • Helmet program
Emergency Response	• No service at airport	• Expand GCI service • Post emergency resources
Boating Safety	• Boating accidents in the past	• Life vest program / Kids Don't Float

Emphasiss Area #1			Strategic Linkage			
Road Improvements						
Objectives						
Improve Road conditions for safe public access						
Success Indicators						
successful construction project						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	Street Signs	Informs drivers	City Maintenance Crew	2020		
Enforcement	Inspect Street lights / Enforce speed limits					
Engineering	Street Lights / Resurface the roads / Road design with improved drainage / Continue to look for additional material sources / Prioritize airport road, clinic road, and Fox Street	Improve visibility at night	City with AVEC; Tribal administrator and contractor	2020	Reaching out to AVEC and working with the City. Installation of the street lights	
Emergency Services	Prioritize road to airport and clinic road / Street lights					

Emphasiss Area #2			Strategic Linkage			
Improve trails						
Objectives						
Success Indicators						
Improve trails						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	VHF announcements about trail safety / posters		Community wellness committee	2021 / ongoing		
Enforcement	Stay on main trail					
Engineering	Identify new trail alignments and build up existing trails / environmental research / appropriate stream crossings					
Emergency Services	Install new trail markers as needed and install new as needed / ensure people have access to communications if out on the trails					

Emphasiss Area #3			Strategic Linkage			
road maintenance						
Objectives						
Success Indicators						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	Work with City to make sure operators have appropriate training / CDL Training		BBNA; City; Tribe	Ongoing		
Enforcement	Tribe enforce through MOU		Administrator	Ongoing		
Engineering	Filling potholes, grading roads, plowing snow, fill in potholes, get grader fixed, get new dump truck, clearing out ditches, unclog culverts, repair drainage structures			Ongoing		
Emergency Services	snow plowing, replacing street lights, use grader and sand for icy winter conditions, identify source to stockpile sand			Ongoing		

Emphasiss Area #4			Strategic Linkage			
Intoxicated Driving						
Objectives						
Success Indicators						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	Posters (teachers and students), Safety Class, community meeting about Intoxicated driving, encourage family conversations		VPSO; Teachers			
Enforcement	Awareness about citation costs, VPSO continue to issue citations, CPO patrol more (need more hours), training for CPO to issue citations					
Engineering	Road signs / Street Lights (Additional from Jackie?)					
Emergency Services	Improve communications with CPO					

Emphasiss Area #5			Strategic Linkage			
Young Drivers						
Objectives						
Success Indicators						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	ATV Safety course every year / Posters (Teachers and kids create)		School; ANTHC	ongoing		
Enforcement	City ordinance, brush cut around speed limit signs, VPSO stop speeding or unsafe conditions and talk with the individual, City ordinance					
Engineering	Keeping street signs visible					
Emergency Services	VHF Communication / helmet program (personalize helmets)		School			

Emphasiss Area #6			Strategic Linkage			
Emergency Response						
Objectives						
Success Indicators						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	Update Emergency Information Posters, Make announcements VHF, Refresh ETT and EMS Volunteer Training		Tribe			
Enforcement	Maintaining VPSO					
Engineering	GCI Service by the airport					
Emergency Services	Acquire ATV for VPSO, maintenance, maintenance and test hydrants yearly, EMS and ETT Volunteer, Trained search and rescue team		BBNA, VPSO, Tribe			

Emphasiss Area #7			Strategic Linkage			
Boating Safety						
Objectives						
Success Indicators						
4Es	Actions	Target Output	Responsible Parties	Date of Completion	Performance Measures	Monitoring and Evaluation
Education	Posters about floatation devices, Travel plan, handouts for boat safety kits		BBAHC			
Enforcement	Enforce lifevests					
Engineering	Removing drift wood and maintain beach					
Emergency Services	Travel plan, Boat safety kit, survival kits, safety gear		Tribe Administration			

Community Meeting

New Stuyahok Tribal Hazard Mitigation Plan (2019 - 2024) & Tribal Transportation Safety Plan

Date / Location: October 8, 2018 at 4 PM / C Q Building

Sign In Sheet

Name	Name	Name
Moxie Andrew Sr.		
* Mary M. Olympic		
Wassillie Andrews		
Victor Kuhluk		
Roman Pavella		
Lucy Weedman		
Annie Andrew		
* Natalia Bond		

*Gift card recipients



NEW STUYAHOK TRANSPORTATION SAFETY PLAN & HAZARD MITIGATION PLAN

COMMUNITY MEETING

Come learn about two new projects in the works! The first is a Tribal Transportation Safety Plan, which proposes strategies to improve safety of the local roads, boating facilities, and airport. The second project is a Tribal Hazard Mitigation Plan, which proposes strategies to protect the community against natural disasters such as wildfires, floods, earthquakes, and more.

We want to hear from you!

Attendees can provide input about safety and hazard priorities for the community. The project planners will be available for any questions or feedback from the public.

Posting date 9/28/2018

**Monday
October 8, 2018
4:00 PM**

C Q Building

Refreshments

Door Prizes

**Discuss the
future of New
Stuyahok!**

For more information or to
submit comments contact:

Jackie Wander
(907) 563-0013
jwander@bristol-
companies.com

Bristol



ENGINEERING
SERVICES COMPANY, LLC

Bristol



ENGINEERING
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111 W. 16th Avenue, Third Floor
Anchorage, AK 99501-5169
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fax (907) 563-6713
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Community Meeting Handout New Stuyahok Tribal Transportation Safety Plan October 8, 2018

Dear Participant;

Thank you for attending the public meeting for the New Stuyahok Tribal Transportation Safety Plan project. Your participation is crucial to the planning process. We appreciate any feedback you may have on this meeting or the project in general.

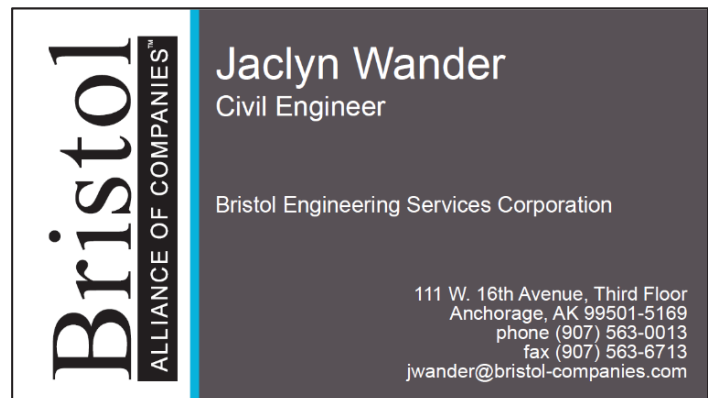
Bristol Engineering has been contracted by Bristol Bay Native Association (BBNA) on behalf of the New Stuyahok Traditional Council to develop a Tribal Transportation Safety Plan (TTSP) for your community. A TTSP is a collaborative and comprehensive document that identifies transportation safety issues and strategies to address them. The overarching goal is to reduce risk of car crashes, fatalities, and injuries on the local transportation system. The TTSP is also essential for obtaining funding for safety projects. The TTSP project is currently at the Draft report level. After this public meeting, Bristol will incorporate public comments into a Final Draft TTSP, which will be submitted to the Council for review.

The purpose of this public meeting is to present the Draft TTSP to the community, as well as better understand the community's transportation safety priorities. Priorities can be any project or program aimed at improving safety for any mode of travel including roads, trails, pedestrian features, boating and aviation facilities, and more. Your comments will help determine emphasis areas for the plan.

Public comment is key to a successful project. Please feel free to contact me directly with any comments or concerns. I can be reached by email at jwander@bristol-companies.com or by phone (907) 743-9314.

Sincerely,

Jaclyn (Jackie) Wander
Civil Engineer II





Community Meeting for New Stuyahok Tribal Hazard Mitigation Plan October 8, 2018

Dear Participant;

Thank you for attending the public meeting for the New Stuyahok FEMA Tribal Hazard Mitigation Plan (THMP). Your comments and participation are very important to the planning process. We appreciate any feedback you may have on this meeting or the project in general.

Bristol Bay Native Association (BBNA) Department of Transportation and Infrastructure Development (DOTID) has contracted Bristol Engineering Services Company, LLC (Bristol) to assist with the preparation of the FEMA THMP. The THMP is a planning document used to identify hazards that your community is exposed to and ways to reduce potential losses of important assets from these hazards. A FEMA approved and community adopted THMP enables the Local government to apply for grants through disaster related assistance programs like the Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation (PDM), and others.

The purpose of this public meeting is to inform the community about the THMP, collect community feedback about the identified hazards and mitigation actions / projects. We are looking for personal experiences with the identified hazards, and assistance with identifying problem areas and issues of concern. We would also like input on the identified mitigation strategies and ways that the Planning Team can keep the public informed and involved in the process. This information will be used in the THMP. A draft copy will be available for review when completed.

Public comment is key to a successful project. Please feel free to contact me directly with any comments or concerns. My email is ddance@bristol-companies.com.

Sincerely,

Danielle Dance
Civil Engineer I

Attachments:

- Newsletter
- List of Preparedness Resources
- 12 Ways to Prepare Postcard





This newsletter describes the Bristol Bay Native Association Transportation and Infrastructure Department's Tribal Hazard Mitigation Planning project development processes to all interested agencies, stakeholders, and the public and to solicit comments. It can also be viewed on the BBNA's website at www.bbna.com

Bristol Bay Native Association (BBNA) Transportation and Infrastructure Department (DOTID) was awarded a Pre-Disaster Mitigation Program grant from the Federal Emergency Management Agency (FEMA) to prepare your 2019 Tribal Hazard Mitigation Plan (THMP). Bristol Engineering Services Company, LLC (BESC) was contracted to assist the BBNA DOTID with preparing a 2019 FEMA approvable THMP plan.

The THMP will identify all natural hazards, such as earthquake, flood, erosion, severe weather, and wildland/tundra fire hazards, etc. The plan will also identify the people and facilities potentially at risk and ways to mitigate damage from future hazard impacts. We will document the public participation and planning process as part of this project.

What is Hazard Mitigation?

Hazard mitigation projects eliminate the risk or reduce the hazard impact severity to people and property. Projects may include short- or long-term activities to reduce exposure to or the effects of known hazards. Hazard mitigation activities could include relocating or elevating buildings, replacing insufficiently sized culverts, using alternative construction techniques, developing, implementing, or enforcing building codes, or developing, and implementing education programs.

Why Do We Need A Hazard Mitigation Plan?

Communities must have a State, FEMA approved, and community adopted mitigation plan to receive a project grant from FEMA's pre- and post- disaster grants identified in their Hazard Mitigation Assistance and other agency's mitigation grant programs. BBNA DOTID plans to apply for mitigation funds after our plan is complete.

A FEMA approved and community adopted THMP enables the Local government to apply for the Hazard Mitigation Grant Program (HMGP), a disaster related assistance program; the Pre-Disaster Mitigation (PDM), and the National Flood Insurance Program (NFIP) Flood Mitigation Assistance (FMA) grant programs.

The Planning Process

There are very specific federal requirements that must be met when preparing a FEMA approvable THMP. These requirements are commonly referred to as the planning process requirements of 44 CFR 201.7 (c)

The following steps describe the planning process in order to develop the THMP.

1. **Establish the Planning Team**
2. **Education of the Planning Team**
3. **Assess Risks**
4. **Assess Capabilities**
5. **Develop a Mitigation Strategy**
6. **Monitor, Evaluate, and Plan Updates**

We are currently in the very beginning stages of preparing the plan development. We will be conducting a Planning Team Meeting to introduce the project and planning team, to gather comments from community residents, identify hazards, and collect data to refine the vulnerability assessment.

We Need Your Help

BESC has prepared survey packets to begin collecting information for your THMP. Survey packets will be mailed to your village council and sent by email to your village administrator.

Establishing a Planning Team is a very important step.

We will need a point of contact (POC)/team leader from your community. This group will consist of 2-5 people that have good knowledge about land use, the transportation system, public facilities, and safety resources within the community. BBNA DOTID will be in contact with your tribe to determine a POC and your planning team.

Once the Planning Team has been developed, they will begin to work on the following items:

- Identifying the hazards that impact your community;
- Determining information about the hazards such as, location, history, extent, and the probability of future events;
- Completing a risk analysis, and;
- Developing problem statements and goals.

BBNA DOTID will be in contact with your tribe to set up an initial teleconference meeting with the Planning Team, BBNA DOTID, and BESC to continue to work on the THMP development.

The BBNA DOTID team will be led by Annie Fritze, DOTID Program Manager or Dan Breeden, Department Director with assistance from Bristol Engineering Service Company, LLC (contracted by BBNA). BESC will be developing materials and lead the planning process with guidance from BBNA DOTID staff.

BBNA Tribal Hazard Planning Team

Team Member	Title	Involvement
Annie Fritze	Program Manager	THMP Team Leader, data gathering and plan review
Dan Breeden	Department Director	THMP Team Leader, data gathering and plan review
Isaac Pearson, P.E.	Senior Engineer	THMP Consultant
Danielle Dance	Civil Engineer	THMP Consultant

Public Participation

The purpose of this newsletter is to keep you informed, and to allow you every opportunity to voice your opinion regarding these important projects. We want to encourage public involvement as a continuous effort throughout the project.

We encourage you to take an active part in the development effort, and preparation of the Tribal Hazard Mitigation Plan.

The goal is to receive comments, identify key issues or concerns, and improve mitigation ideas, and to guide the community.

Please contact BBNA DOTID program staff or BESC if you have any questions, comments, or requests for more information:

Bristol Bay Native Association DOTID Annie Fritze OR Dan Breeden PO Box 310 Dillingham, Alaska 99576 (907) 842-6219	Bristol Engineering Services Company, LLC Danielle Dance, Consultant 111 W. 16th Avenue, Third Floor Anchorage, Alaska 99501 (907)563-0013
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Useful web links

Volcano Information

- Visit the AVO website: www.avo.alaska.edu
- Sign up for the VNS: <https://volcanoes.usgs.gov/vns2/>
- Ash Impacts website: https://volcanoes.usgs.gov/volcanic_ash
- Ashfall advisories come from the NWS: www.weather.gov/afc/
- AVO would *love* your volcano observations and ash samples
 - Find us at www.avo.alaska.edu/contact.php/
 - Is Ash Falling: www.avo.alaska.edu/ashfall/ashreport.php
 - Collection instructions: <https://avo.alaska.edu/ashfall.php>
 - Facebook: <http://facebook.com/alaska.avo>
 - Twitter: http://twitter.com/alaska_avo
- Air Quality Advisories, DEC: <http://dec.alaska.gov/air>
- Airborne ash hazards to aircraft, NOAA: <http://aawu.arh.noaa.gov>
- Local Notice to Mariners, USCG: www.navcen.uscg.gov

Weather Information

- Watches and Warnings: <https://alerts.weather.gov/cap/ak.php?x=1>
- Any forecast: <http://www.weather.gov/afc>
- Mobile information (low bandwidth): <http://www.weather.gov/source/afc/mobile/>
- River Information: <http://www.weather.gov/aprfc>
- Rainfall: <http://www.weather.gov/aprfc>
- Breakup Info: <http://www.weather.gov/aprfc/breakupESRIMap>
- River Conditions: <http://www.weather.gov/aprfc/riverConditions>
- Alaska Weather T.V. Maps: <http://www.weather.gov/afc/tv>
- Sea Ice forecasts: <http://www.weather.gov/afc/ice>
- Outlook (temperatures and precipitation): <http://www.cpc.noaa.gov>
- Send us a storm report:
http://www.srh.noaa.gov/StormReport_new/SubmitReport.php?site=AFC

WEBSITES

- Alaska DHS&EM: <http://ready.alaska.gov>
- Ready, Department of Homeland Security: <https://www.ready.gov/>
- Department of Commerce, Community and Economic Development (DCCED), State of Alaska Floodplain Management: <http://www.commerce.state.ak.us/dca/nfip/nfip.htm>
- Flood information for Alaskans: <http://www.flood.alaska.gov>
- Association of State Floodplain Managers: <http://www.floods.org/>
- Alaska-Pacific River Forecast Center (APRFC): <http://aprfc.arh.noaa.gov>
- Natural Resources Conservation Service (NRCS), Alaska Snow, Water and Climate Services: <http://ambcs.org>
- National Weather Service (NWS), Alaska Region Headquarters: <http://www.arh.noaa.gov/>
- Federal Aviation Administration (FAA), Alaskan Region's Weather Cameras: <http://avcams.faa.gov/>
- U.S. Department of the Interior—Bureau of Land Management (BLM), Alaska Fire Service: <http://fire.ak.blm.gov/>
- Alaska Energy Authority (AEA): <http://www.akenergyauthority.org/>
- Department of Commerce, Community and Economic Development (DCCED), Community Profiles: <http://www.commerce.state.ak.us/dca>
- Alaska Department of Public Safety, Rural Fire Training Office: <http://www.dps.state.ak.us/fire/TEB/ruralfireprotection.aspx>
- Department of Environmental Conservation (DEC): <http://www.state.ak.us/dec/>
- National Weather Service, Forecast Office Alaska Ice Desk: <http://pafc.arh.noaa.gov/ice.php>
- Federal Emergency Management Agency (FEMA): <http://www.fema.gov/>
- American Red Cross of Alaska: <http://www.alaska.redcross.org>
- Small Business Administration: <http://www.sba.gov/localresources/disasteroffices/focwest/index.html>



FEMA

FEMA V-1021
Catalog No. 1872-3

April 2018

There are many ways to take action and prepare before a disaster occurs.
The actions on this card include some of the most important ways to help
yourself, your family, and your community increase your preparedness.
Simple actions at home and in your neighborhood can make a big difference!



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Ready.gov/prepare



FEMA

FEMA V-1021
Catalog No. 1872-3

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Ready.gov/prepare



12 WAYS TO PREPARE



Sign up
for Alerts
and Warnings



Make a Plan



Save for a
Rainy Day



Practice
Emergency
Drills



Test Family
Communication
Plan



Safeguard
Documents



Plan with
Neighbors



Make Your
Home
Safer



Know
Evacuation
Routes



Assemble or
Update
Supplies



Get Involved in
Your Community



Document and
Insure Property



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Your Community



Document and
Insure Property

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New Stuyahok
Tribal Transportation Safety Plan
October 8, 2018

New Stuyahok Traditional Council Tribal Transportation Safety Plan

Bristol Engineering Services Company, LLC
Jackie Wander, Civil Engineer II

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Tribal Transportation Safety Plan
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Safety Minute



Code Zero means zero incidents, zero injuries, and zero losses. Code Zero positively influences how we think and act. **Safe Zero is the Bristol way.**

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New Stuyahok
Tribal Transportation Safety Plan
October 8, 2018

Presentation Overview

- What is a Safety Plan?
- Importance of Safety Plans
- The Four E's of Safety
- Steps to Develop Safety Plans
- Data Collection & Surveys
- Emphasis Areas
- Implementation Plan
- Next Steps
- Questions / Comments
- Break**
- Hazard Mitigation Plan
- Door Prizes!



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Tribal Transportation Safety Plan

"A Transportation Safety Plan is a collaborative and comprehensive document that identifies transportation safety issues and strategies to address them. Effective Transportation Safety Plans lead to projects that make the transportation system safer."

~ U.S. Department of Transportation Federal Highway Administration
[Developing a Transportation Safety Plan](#)

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Tribal Transportation Safety Plan

- Uses Data to Guide Transportation Investment Decisions
- Mechanism to Coordinate Safety Efforts
 - Engage leadership/stakeholders
 - Collect/analyze data
 - Determine emphasis areas
 - Identify strategies



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Importance of Safety Plans

- Proactive Approach to Planning
 - Prevents crashes
 - Improves unsafe transportation conditions
- Addresses Most Critical Safety Needs
- Develops Partnerships
- Fosters Multidisciplinary Cooperation
- Increases Access to Safety Funding



"Planning with safety in mind saves lives"

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Four E's of Safety

- ▶ **EDUCATION**
 - Gives drivers information about making good choices
 - Informs about rules of the road
- ▶ **ENGINEERING**
 - Addresses roadway infrastructure
- ▶ **EMERGENCY SERVICES**
 - Provides rapid response
 - Quality of care when responding to collisions causing injury
- ▶ **ENFORCEMENT**
 - Enforces traffic laws
 - Provides visible police presence



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Safety Plan Development

- ▶ Step 1 – Establish Safety Leadership Framework
- ▶ Step 2 – Collect & Analyze Safety Data
- ▶ Step 3 – Determine Emphasis Areas
- ▶ Step 4 – Identify Strategies
- ▶ Step 5 – Prioritize/Incorporate Strategies
- ▶ Step 6 – Draft a Plan
- ▶ Step 7 – Evaluate/Update the Transportation Safety Plan



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Data Collection

- ▶ Crash Data
- ▶ Traffic Citations
- ▶ Public Surveys




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Crash & Citation Data

- ▶ Crash Data from Village Public Safety Officer
 - Available data for 1.5 years (2017-2018)
 - 2 ATV Crashes
 - 3 People medevacked
 - One weather related (raining)
 - One occurred at an intersection
 - Both involved young drivers, multiple occupants on one ATV
 - 1 ATV in Ditch
- ▶ Citations from VPSO
 - 2 Negligent Driver Citations
 - ~20 Driving Under the Influence (DUIs)

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Public Surveys

COMMUNITY SURVEY

3. Please list any previous safety issues or health concerns in the transportation system within your community. Please include the safety concern, any conditions that were noted, signs or markers, and transportation-related modes of travel or local activity levels. Note: All transportation-related concerns, accidents, injuries, etc.

4. How do you get around within the community? Please circle the mode that you use most often.

5. Do you know of any conditions that exist in the community that affect the health of the community? Please circle the mode that you use most often.

6. What do you think could be done to improve transportation safety in your community?

Page 1 of 2

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Candidate Emphasis Areas

- ▶ Road Improvements
 - New gravel
 - Better drainage
 - Street signs
 - Funding
 - LED streetlights
- ▶ Trail Improvements
 - Build up & reroute trails
 - Trail markers
 - Bridges at stream crossings
- ▶ Road Maintenance
 - Brush cutting
 - Need grader & dump truck
- ▶ Drunk Driving
 - Reduce DUIs
 - Community awareness
- ▶ Speeding
 - Better enforcement
- ▶ Young Drivers
 - Driver education
 - Helmets
- ▶ Emergency Response
 - Expand GCI service
- ▶ Boating Safety
 - Life vests

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Tribal Transportation Safety Plan
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Implementation Plan

EMPHASIS AREA #3		STRATEGIC LINKAGE				
SPEEDING		80% of survey respondents marked "speeding" as a high priority, making it the 4th highest community safety priority - Installing speed bumps was the second most common suggestion in the community surveys regarding actions to improve transportation safety - At least 2 out of 8 reported car crashes involved excessive rate of speed				
OBJECTIVES		Reduce the risk and severity of speeding-related car crashes				
SUCCESS INDICATORS		Slower driving speeds around the community				
KEY	ACTIONS	TARGET OUTPUT	RESPONSIBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITOR/EVALUATE
ENFORCEMENT	Install more speed limit signs around the community, as needed	Improve awareness of speed limits	Transportation Coordinator, Tribal Administrator	Summer 2020	Number of speed limit signs installed or replaced	Inspect road signs once per year and repair or replace as needed
ENFORCEMENT	Work with the VPSO to penalize speeders, as appropriate. Increase VPSO presence in the school zone before and after school	Improve enforcement of speed limits and increase visibility of police force	Transportation Coordinator, Tribal Administrator	Ongoing, especially during school months	Reduced number of complaints from community members about speeders	Keep record of speeding complaints before and after installation of speed bumps
ENFORCEMENT	Install painted speed bump locations at school locations to reduce speeds, especially within the school zones or on streets with high pedestrian traffic	Reduce speeding on community streets. Reduce the number of speeding-related car crashes	Transportation Coordinator, Tribal Administrator	Summer 2023	Number of speed bumps installed around the community. Reduced number of speeding-related accidents	Keep record of speeding-related accidents before and after installation of speed bumps
EMERGENCY RESPONSE	Maintain a local VPSO. Instruct people to join the volunteer emergency response team to respond to traffic accidents caused by speeding or other factors	Have relative police and medical services when the community to improve quality of care during a transportation incident	Transportation Coordinator, Tribal Administrator	Ongoing	Number of days the VPSO provides the school zone. Increased number of volunteers on the emergency response team	Schedule seasonal meetings with the VPSO & response team to monitor performance

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Tribal Transportation Safety Plan
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Next Steps

- Public Surveys!!
- Draft Safety Plan
 - November-December 2018
 - Collect public comment
- Final Draft Safety Plan
 - January-February 2019
 - Council review
- Final Safety Plan
 - June 2019
 - Resolution
- Implementation



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Questions or Comments




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Tribal Transportation Safety Plan
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Presentation Overview

- Project Background
- FEMA Tribal Hazard Mitigation Plan (THMP)
- Funding
- Identified Hazards
- Assets
- Mitigation Goals
- Mitigation Action Plan



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New Stuyahok
Tribal Transportation Safety Plan
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Project Background

- BBNA DOTID awarded Pre-Disaster Mitigation Program grant from FEMA
 - Develop the Tribal Hazard Mitigation Plan
 - Contracted BESC
- Hazard Mitigation
 - eliminates risk to or reduces hazard impact severity to community assets
 - Projects can be long or short term
- Purpose of Plan
 - Identify ways to make community safer and more prepared
 - Provides opportunity for funding options through FEMA



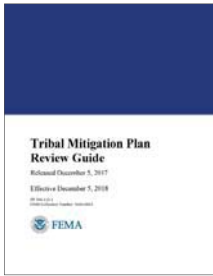

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FEMA Tribal Hazard Mitigation Plan (THMP)

- Follows Code of Federal Regulations (CFR)
 - 44 CFR Part 201
- Identifies
 - Planning Process / Planning Team
 - Plan to keep the THMP current
 - Natural hazards in your community
 - Community assets
 - Mitigation strategy / action plan
 - Funding Opportunities



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Funding

- ▶ Eligibility Requirement for FEMA Pre- and Post- Disaster Grants
 - FEMA approved and community adopted Hazard Mitigation Plan
 - Plan identifies mitigation projects for the community
- ▶ Grants
 - Hazard Mitigation Grant Program (HMGP)
 - Pre-Disaster Mitigation (PDM)
 - National Flood Insurance Program (NFIP)
 - Flood Mitigation Assistance (FMA)
- ▶ Other Grant Opportunities
 - State
 - Tribal



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Identified Hazards

- ▶ Hazards Identified Based on
 - Location
 - Extent
 - Probability of Future Event
 - Overall Significance
- ▶ Hazards Detailed in Plan
 - Location
 - Extent
 - History
 - Probability of Future Events
- ▶ Hazards
 - Drought
 - Earthquake
 - Erosion
 - Extreme Cold
 - Flood
 - Severe Wind
 - Severe Winter Weather
 - Volcano
 - Wildfire
- ▶ What experiences have you had?

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Community Assets

- ▶ Asset
 - People
 - Economy
 - Built Environment
 - Natural Environment
- ▶ Major Community Assets
 - School
 - Clinic
 - Store
 - C Q Building
 - Tribal Office
 - Utilities
 - Roads
 - Landfill
 - Others



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Mitigation Goals

- ▶ Goals Based on Vulnerability Statements
 - The community experiences flooding in the low lying areas.
 - Erosion happens along the river and down the roads.



FEMA Local Mitigation Planning Handbook
March 2013

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Mitigation Goals

- ▶ Community Goals
 - Reduce possibility of damages due to:
 - Drought
 - Erosion
 - Flood
 - Severe Winter Weather
 - Wildfire
 - Earthquake
 - Extreme Cold
 - Severe Wind
 - Volcano

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Mitigation Actions

- ▶ Mitigation Actions Reduce Long-Term Vulnerability
- ▶ Types
 - Local plans and regulations
 - Structure and infrastructure projects
 - Natural systems protection
 - Education and awareness programs
 - Additional – Preparedness and Response Actions
- ▶ Actions Will be Used to Create a Mitigation Action Plan



FEMA Local Mitigation Planning Handbook
March 2013

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Mitigation Actions (Continued)

▶ Mitigation Actions

▪ Educate the Community about hazards in the area.

▪ Continue to clear brush

▪ Acquire dump truck

▶ What other suggestions do you have?

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Continued Public Involvement

▶ Public Involvement is Important

▪ Next Steps

▶ How can the Planning Team keep you informed and involved in this process?



Contact

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Bristol Engineering (BESC)

Danielle Dance
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Questions or Comments

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QUYANA!



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APPENDIX B: COMMUNITY SURVEY RESULTS

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 54

3. How do you get around within the community? Please circle (you may circle more than one):

<u>4-wheeler</u>	Snow machine	Truck	Car	SUV
<u>Walk</u>	Bike	Get a ride	Boat	

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? N/A

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

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Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, <u>tall brush</u> , <u>blind spots</u>)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	VH	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	VH	M	L
Lack of traffic law / enforcement	VH	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other <u>Equipment is scarce!</u>	H	M	L
Other <u>Dump-landfill smoke</u>	H	M	L
Other	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 56

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident Don't remember

What happened? Adults whose in positions getting into money business knowing their own family on boards won't hold them account!

What caused the accident? Alcohol use

Where did the accident occur? Unsure but saw truck later

How old were the people involved? 50's - 60's

What were the injuries or property damage? Property damage

What types of vehicles were involved? 2 trucks

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know Alcohol

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

law enforcement do prevention/education to the school age children on driving laws @ least 2 x a year - Repetition helps to instill safe behavior

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? Only 67

3. How do you get around within the community? Please circle (you may circle more than one):

☒ 4-wheeler	Snow machine	Truck	Car	SUV
☒ Walk	Bike	Get a ride	Boat	

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident April 2000+

What happened? Two cars collide in small airport

What caused the accident? brake

Where did the accident occur? old Airport

How old were the people involved? 40/30

What were the injuries or property damage? none

What types of vehicles were involved? Truck / truck

Were pedestrians or bicyclists involved? yes ☒ no ☐ don't know

Were drugs or alcohol involved? yes ☒ no ☐ don't know

Did police arrive on scene? yes ☐ no ☒ don't know

Did an ambulance arrive on scene? yes ☒ no ☐ don't know

5. What do you think could be done to improve transportation safety in your community?

education / caution

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

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Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 50

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident June 2018

What happened? 2 ATV's bumped each other that put 2 boys in the hospital

What caused the accident? Speeding / Riding in dark

Where did the accident occur? Old airport road

How old were the people involved? 13 to 17

What were the injuries or property damage? yes

What types of vehicles were involved? ATV

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

Have a safety class

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that "safety issues" are problems that cause death, injury or illness, and "transportation system" means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 18

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler Snow machine Truck Car SUV
Walk Bike Get a ride Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____
What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

Better roads!!

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 50

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler Snow machine Truck Car SUV
Walk Bike Get a ride Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

educate people, hire people to do
roads not just family

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 46

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

parents/guardians should be aware for
their child not to be driving vehicles/snow-ges

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 27

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

~~Don't know~~ Don't know

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

Cut down more trees to see on coming
traffic fix the pot holes around the
village

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 67

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? NA

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

Move stop signs from entering roads
lake more on Pot hole roads

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	(H)	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	(H)	M	L
Drainage issues (road washouts, standing water)	(H)	M	L
Speeding	H	(M)	L
Talking on phone or texting while driving	H	M	(L)
Drug or alcohol impaired driving	H	(M)	L
Dusty roads	(H)	M	L
Icy roads / poor winter maintenance	(H)	M	L
Lack of helmet use for ATVs and bicyclists	H	(M)	L
Lack of seatbelt use	H	M	(L)
Lack of car seats / child restraint use	H	(M)	L
Lack of driver's education	H	(M)	L
Lack of traffic law / enforcement	H	(M)	L
Lack of street lights	H	(M)	L
Lack of sidewalks or bike lanes	H	(M)	L
Lack of bridges or poor bridge safety	H	M	(L)
Lack of road or trail markers	H	(M)	L
Wildlife danger for drivers or pedestrians	H	(M)	L
Poor trail conditions / lack of maintenance	H	(M)	L
Poor cell phone service	(H)	M	L
Boat launch or harbor safety issues	H	(M)	L
Lack of life vest use for boaters	H	(M)	L
Boating hazards or navigation issues	H	M	(L)
Limited emergency response (police, medical, fire)	H	(M)	L
Lack of natural disaster preparedness	H	(M)	L
Lack of evacuation route / safety shelters	H	(M)	L
Airport safety issues	(H)	M	L
Other: <u>Fire Hazard on Landowner Property</u>	(H)	M	L
Other: <u>Lack of Landscaping</u>	(H)	M	L
Other:	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 68

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 68

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident Apr 2007

What happened? Two trucks collide small Airport brush too high boat on same Lane

What caused the accident? BRUSH TOO THICK & high

Where did the accident occur? Small Airport

How old were the people involved? middle age

What were the injuries or property damage? TOTAL one truck

What types of vehicles were involved? chevrolet sm truck

Were pedestrians or bicyclists involved? yes ☒ no ☐ don't know

Were drugs or alcohol involved? yes ☒ no ☐ don't know

Did police arrive on scene? yes ☒ no ☐ don't know

Did an ambulance arrive on scene? yes ☒ no ☐ don't know

5. What do you think could be done to improve transportation safety in your community?

Identified Road maintenance (City) need to do more awareness to public access education, road maintenance area that are not good for speeding make sure slow down when corners are coming up & place signs

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 52

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? Totaled truck

What caused the accident? Impaired driving

Where did the accident occur? Airport Road & Wallace Street

How old were the people involved? Old

What were the injuries or property damage? The truck no longer in use

What types of vehicles were involved? just person / truck

Were pedestrians or bicyclists involved? ☒ yes ☒ no ☐ don't know

Were drugs or alcohol involved? ☒ yes ☐ no ☐ don't know

Did police arrive on scene? ☐ yes ☐ no ☒ don't know

Did an ambulance arrive on scene? ☐ yes ☐ no ☒ don't know

5. What do you think could be done to improve transportation safety in your community?

Brush cutting, strict rules on impaired driving

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	(H)	M	L
Poor road design (narrow roads, steep roads)	(H)	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	(H)	M	L
Drainage issues (road washouts, standing water)	(H)	M	L
Speeding	(H)	M	L
Talking on phone or texting while driving	H	(M)	L
Drug or alcohol impaired driving	H	M	(L)
Dusty roads	(H)	M	L
Icy roads / poor winter maintenance	(H)	M	L
Lack of helmet use for ATVs and bicyclists	(H)	M	L
Lack of seatbelt use	(H)	M	L
Lack of car seats / child restraint use	H	(M)	L
Lack of driver's education	H	(M)	L
Lack of traffic law / enforcement	H	(M)	L
Lack of street lights	H	M	(L)
Lack of sidewalks or bike lanes	H	(M)	L
Lack of bridges or poor bridge safety	H	(M)	L
Lack of road or trail markers	H	M	(L)
Wildlife danger for drivers or pedestrians	H	(M)	L
Poor trail conditions / lack of maintenance	H	M	(L)
Poor cell phone service	(H)	M	L
Boat launch or harbor safety issues	(H)	M	L
Lack of life vest use for boaters	H	(M)	L
Boating hazards or navigation issues	H	(M)	L
Limited emergency response (police, medical, fire)	H	(M)	L
Lack of natural disaster preparedness	(H)	M	L
Lack of evacuation route / safety shelters	H	(M)	L
Airport safety issues	(H)	(M)	L
Other _____	(H)	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 32

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions: N/A

Month / Year of incident Ø

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

Fix potholes and washed away main road.

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 77

3. How do you get around within the community? Please circle (you may circle more than one):

<u>4-wheeler</u>	Snow machine	Truck	Car	SUV
<u>Walk</u>	Bike	Get a ride	Boat	
Other _____				

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident August 2019

What happened? Someone drove off the road by the clinic

What caused the accident? don't know maybe drunk driver

Where did the accident occur? August 2019

How old were the people involved? IDK

What were the injuries or property damage? IDK

What types of vehicles were involved? truck

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

too much pot holes - if funding available pave the roads

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 27

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident Sept. 2019

What happened? Truck off road

What caused the accident? Drunk driving?

Where did the accident occur? New Hud

How old were the people involved? IDK

What were the injuries or property damage? I don't think so

What types of vehicles were involved? truck

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

More VPOs

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service <i>need service at Airport!</i>	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 41

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident 2019

What happened? Truck went on side of road.

What caused the accident? DUI

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 218 - 60 +

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident None

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

Provide equipment to maintain roads
instead of covering up potholes +
have them open up again.

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that "safety issues" are problems that cause death, injury or illness, and "transportation system" means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	(M)	L
Poor road design (narrow roads, steep roads)	H	(M)	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	(L)
Drainage issues (road washouts, standing water)	H	(M)	L
Speeding	H	(M)	L
Talking on phone or texting while driving	H	M	(L)
Drug or alcohol impaired driving	H	(M)	L
Dusty roads	(H)	M	L
Icy roads / poor winter maintenance	(H)	M	L
Lack of helmet use for ATVs and bicyclists	(H)	M	L
Lack of seatbelt use	H	(M)	L
Lack of car seats / child restraint use	H	(M)	L
Lack of driver's education	H	M	(L)
Lack of traffic law / enforcement	(H)	M	L
Lack of street lights	H	M	(L)
Lack of sidewalks or bike lanes	H	M	(L)
Lack of bridges or poor bridge safety	H	M	(L)
Lack of road or trail markers	H	M	(L)
Wildlife danger for drivers or pedestrians	H	M	(L)
Poor trail conditions / lack of maintenance	H	(M)	L
Poor cell phone service	(H)	M	L
Boat launch or harbor safety issues	H	(M)	L
Lack of life vest use for boaters	H	(M)	L
Boating hazards or navigation issues	H	M	(L)
Limited emergency response (police, medical, fire)	H	(M)	L
Lack of natural disaster preparedness	H	(M)	L
Lack of evacuation route / safety shelters	H	(M)	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 41

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler

Snow machine

Truck

Car

SUV

Walk

Bike

Get a ride

Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident _____

What happened? _____

What caused the accident? _____

Where did the accident occur? _____

How old were the people involved? _____

What were the injuries or property damage? _____

What types of vehicles were involved? _____

Were pedestrians or bicyclists involved? **yes** **no** **don't know**

Were drugs or alcohol involved? **yes** **no** **don't know**

Did police arrive on scene? **yes** **no** **don't know**

Did an ambulance arrive on scene? **yes** **no** **don't know**

5. What do you think could be done to improve transportation safety in your community?

more law enforcement

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that **"safety issues"** are problems that cause death, injury or illness, and **"transportation system"** means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads) - some are	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads**	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other <u>Vehicles parked on roads</u>	H	M	L
Other <u>Children using main road to slide</u>	H	M	L
Other <u>winter time</u>	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? Over 50

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler
Walk

Snow machine
Bike

Truck ^{sometimes to airport}
Get a ride

Car
Boat

SUV

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident IDK e 2011 during fall or idk month

What happened? ① 2 trucks bumped each other because of bad road condition - trees created blind spot

② Aug 2019 - truck ran off the road

What caused the accident? ① blind spot ② possible DUI

Where did the accident occur? ① old airport ② Wallace Street

How old were the people involved? IDK

What were the injuries or property damage? ① truck damaged ② damages

What types of vehicles were involved? All were trucks

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

#2 incident

5. What do you think could be done to improve transportation safety in your community?

drivers should have driver's license and follow speed limits

We need VPSO/VPO - certified

COMMUNITY SURVEY

1. Please help us prioritize safety issues and health hazards on the transportation system within your community. Keep in mind that "**safety issues**" are problems that cause death, injury or illness, and "**transportation system**" means all modes of travel including roads, trails, air transportation, water transportation, pedestrians, bicyclists, etc.

For each type of safety issue below, identify if it is a high, medium, or low priority or concern for your community by circling either "H" "M" or "L"

Types of Safety Issues	High Priority or Concern	Medium Priority or Concern	Low Priority or Concern
Poor road conditions / lack of maintenance	H	M	L
Poor road design (narrow roads, steep roads)	H	M	L
Intersection Safety (lack of signs, tall brush, blind spots)	H	M	L
Drainage issues (road washouts, standing water)	H	M	L
Speeding	H	M	L
Talking on phone or texting while driving	H	M	L
Drug or alcohol impaired driving	H	M	L
Dusty roads	H	M	L
Icy roads / poor winter maintenance	H	M	L
Lack of helmet use for ATVs and bicyclists	H	M	L
Lack of seatbelt use	H	M	L
Lack of car seats / child restraint use	H	M	L
Lack of driver's education	H	M	L
Lack of traffic law / enforcement	H	M	L
Lack of street lights	H	M	L
Lack of sidewalks or bike lanes	H	M	L
Lack of bridges or poor bridge safety	H	M	L
Lack of road or trail markers	H	M	L
Wildlife danger for drivers or pedestrians	H	M	L
Poor trail conditions / lack of maintenance	H	M	L
Poor cell phone service	H	M	L
Boat launch or harbor safety issues	H	M	L
Lack of life vest use for boaters	H	M	L
Boating hazards or navigation issues	H	M	L
Limited emergency response (police, medical, fire)	H	M	L
Lack of natural disaster preparedness	H	M	L
Lack of evacuation route / safety shelters	H	M	L
Airport safety issues	H	M	L
Other _____	H	M	L
Other _____	H	M	L
Other _____	H	M	L

NEW STUYAHOK
2019 TRIBAL TRANSPORTATION SAFETY PLAN

2. How old are you? 44

3. How do you get around within the community? Please circle (you may circle more than one):

4-wheeler Snow machine Truck Car SUV
Walk Bike Get a ride Boat

Other _____

4. Do you know of any car crashes that happened in the community within the last 10 years? If so, please describe the incident to the best of your ability by answering the following questions:

Month / Year of incident 09-2010

What happened? lack of visual, bushes & lack of road maintenance

What caused the accident? Poor road - bushes

Where did the accident occur? old airport

How old were the people involved? 40-60

What were the injuries or property damage? nothing serious

What types of vehicles were involved? truck

Were pedestrians or bicyclists involved? yes no don't know

Were drugs or alcohol involved? yes no don't know

Did police arrive on scene? yes no don't know

Did an ambulance arrive on scene? yes no don't know

5. What do you think could be done to improve transportation safety in your community?

Road improvement, dust control - driver safety class - road maintenance and proper equipment.

APPENDIX C: IMPLEMENTATION PLAN

IMPLEMENTATION PLAN

EMPHASIS AREA #1			STRATEGIC LINKAGE			
ROAD & DRAINAGE IMPROVEMENTS			► Evidence of drainage issues, standing water, roadway deterioration, and potholes around the community. ► One reported accident occurred at an intersection with no signs and tall brush. ► Both "drainage issues" and "poor road conditions" were ranked within the top 5 community safety priorities on the public survey.			
OBJECTIVES						
Improve safety and accessibility of road system, rehabilitate deteriorating roads, and secure resources for road projects.						
SUCCESS INDICATORS						
Completed road rehabilitation projects. Reduced number of areas with standing water and flooding.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Install street signs to control traffic and improve driver awareness.	Educate community on traffic flow at intersections and reduce risks of accidents at intersections.	City, Tribe	5-10 years	Coordinate new signage with road rehabilitation projects.	Evaluate other educational strategies at Council meetings.
ENFORCEMENT	Enforce speed limits through verbal warnings. Inspect streetlights annually.	Reduce speeding incidences.	VPSO & VPOs, City, Tribe	On-going	Keep track of verbal warnings and repeat offenders.	Evaluate other enforcement strategies at Council meetings.
ENGINEERING	Resurface roads, construct new drainage ditches, and install culverts as needed. Install more streetlights. Continue investigation for an affordable gravel source.	Reduce risks of accidents due to standing water and poor road conditions.	City, Tribe	5-10 years	Funding, planning, design, and construction activities.	Inspect and replace streetlights as needed.
EMERGENCY SERVICES	Prioritize road rehabilitation for streets providing access to essential and emergency services including Airport Road, Clinic Road, and Fox Street.	Ensure safe and rapid access to all points within the community.	City, Tribe	5-10 years	Funding, planning, design, and construction activities.	Public involvement.

IMPLEMENTATION PLAN

EMPHASIS AREA #2			STRATEGIC LINKAGE			
TRAIL IMPROVEMENTS			► Cultural and economic dependency of trail systems for subsistence activities and seasonal access to nearby communities. ► Unauthorized creation of trails and destruction of wetlands / vegetation due to lack of designated and marked trails. ► 55% of survey participants ranked "poor trail conditions / lack of maintenance" as a high safety priority.			
OBJECTIVES						
Improve trail safety, access, and navigability.						
SUCCESS INDICATORS						
Completed trail upgrades. Reduced number of search and rescue missions required.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Use VHF announcements and posters to educate community about trail safety.	Increase visibility and awareness of trail safety.	Tribe	On-going, seasonally	Posters created and posted..	Evaluate other forms of educational strategies.
ENFORCEMENT	Install trail markers to enforce ATV transportation on designated trails.	Reduced number of unauthorized trail creation.	Tribe	2021	Verification of trail alignments. Trail markers ordered and installed.	Inspect trail markers annually and replace as needed.
ENGINEERING	Identify new trail alignments, build up existing trails, conduct environmental research, and provide safe stream crossings.	Reduced risk of accidents and getting stranded on trail system. Reduced number of search and rescue missions needed.	Tribe	5-10 years	Funding, planning, design, and construction activities.	Develop a project scope, budget, and schedule to monitor progress.
EMERGENCY SERVICES	Maintain trail markers. Expand GCI cell service. Train a team of search and rescue volunteers. Acquire ATV for VPSO to assist with search and rescue.	Help people navigate trails during winter weather, and provide emergency communications on trails, including near airport.	Tribe, City, VPSO & VPOs	5-10 years	Coordination with GCI. Advertise for volunteers. Scheduled training.	Develop a schedule to refresh training and upgrade search & rescue equipment.

IMPLEMENTATION PLAN

NEW STUYAHOK VILLAGE TRIBAL TRANSPORTATION SAFETY PLAN

EMPHASIS AREA #3			STRATEGIC LINKAGE			
ROAD MAINTENANCE			► One reported accident occurred at a blind intersection with unmaintained brush blocking visibility. One reported accident in 2018 involving a snow mobile crashing into a ditch and almost hitting a house due to an icy road surface. ► 3 elders hospitalized and 1 youth received a concussion in the winter of 2018/2019 due to slipping on ice. ► "Icy roads / poor winter maintenance" was ranked a high safety priority by 95% of survey participants.			
OBJECTIVES						
Enhance road maintenance efforts, improve visibility, upgrade equipment, reduce dust, and extend longevity of transportation facilities.						
SUCCESS INDICATORS						
Reduced number of potholes and airborne dust.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Work with City to ensure maintenance operators have appropriate training including commercial driver's license (CDL) training.	Increase number of trained operators within the community.	Tribe, City	On-going	Combined meeting between City / Tribe. Designate a liaison to coordinate.	Develop a schedule to refresh training as needed.
ENFORCEMENT	Enforce road maintenance efforts between Tribe and City through MOU.	Improve communication between maintenance crews. Enhance quality of road maintenance.	Tribe, City	On-going	Development and approval of an MOU.	Have a Tribal representative attend monthly City Council meetings.
ENGINEERING	Brush cutting. Road grading & ditch & culvert cleaning. Implement a dust suppression strategy. Repair existing grader & procure a dump truck & sander.	Reduce number and frequency of potholes and areas of standing water. Reduce snow/ice accumulation on roadways.	Tribe, City	On-going, 2021 (dust suppression and equipment)	Completed seasonal grading and drainage maintenance.	Maintain heavy equipment and utilize equipment logs.
EMERGENCY SERVICES	Continue to plow snow and apply sand after major snow events, and replace burnt-out streetlights. Maintain and test fire hydrants annually.	Reduce icing on roadways and provide safe and rapid accessibility for emergency response vehicles.	Tribe, City	On-going	Completed snow plowing and sanding activities.	Discuss other maintenance response needs at Council meetings.

IMPLEMENTATION PLAN

EMPHASIS AREA #4			STRATEGIC LINKAGE			
IMPAIRED DRIVING			► An average of 1 DUI citation per month. ► 45% of survey participants voted "drug or alcohol impaired driving" as a high safety priority. ► 6 survey participants mentioned drunk driving as a cause for vehicles accidents they remember.			
OBJECTIVES						
Reduce the number of DUIs issued per year and improve community education about the risks of impaired driving.						
SUCCESS INDICATORS						
Reduced number of DUIs per year.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Install posters, public newsletters, and host safety classes and community meetings about the impaired driving issues. Encourage family conversations.	Increase community awareness and education about drunk driving hazards.	Tribe	2020 (posters), On-going	Develop educational posters. Schedule safety classes.	Schedule future safety classes and refresh educational campaign strategies.
ENFORCEMENT	Work with local police to continue issuing citations for impaired driving. Increase patrol hours for police and provide training for citations and traffic stops.	Improve community awareness about citation costs. Increase enforcement for extended hours.	Tribe, VPSO, VPOs	On-going	Host safety meetings with law enforcement and other safety partners.	Obtain VPSO data every year for the safety plan updates.
ENGINEERING	Investigate engineering strategies to implement in the future.	Determine engineering strategies.	Tribe, City	On-going	Discuss possible engineering strategies at Council meetings.	Discuss possible engineering strategies at Council meetings.
EMERGENCY SERVICES	Update public posters with emergency contact information. Refresh training for local volunteer EMT/ETT personnel. Fill VPSO and VPO positions.	Improve communications between Tribe, City, police, and other safety partners. to communicate emergency response resources.	Tribe, Volunteers	2020 (posters), On-going	Create list of emergency contacts. Schedule EMT/ETT training courses.	Schedule future first responder training opportunities.

IMPLEMENTATION PLAN

EMPHASIS AREA #5			STRATEGIC LINKAGE			
YOUNG DRIVERS / SPEEDING			► One reported car crash involving two ATVs with drivers younger than 20, each with 3-4 occupants per ATV, resulting in three severely injured people needing a medivac, and one citation for negligent driving. ► 50% of survey participants marked "speeding" as a high priority.			
OBJECTIVES						
Reduce speeding on local roads, improve helmet use for young drivers, and provide more local options for driver's education.						
SUCCESS INDICATORS						
Reduced number of speeding incidences and crashes involving speeding. Increased use of helmets.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Host ATV safety courses at the school every year. Create posters to hang up around the community about ATV driving safety; kids create their own poster projects.	Increase community access to ATV driver's education.	Tribe, School	2020 (posters), Annually (ATV classes)	Schedule ATV classes. Develop ATV safety curriculum for school.	Schedule future safety classes.
ENFORCEMENT	Implement a City ordinance to require helmets for drivers below the age of 16 on ATVs. Continue police effort to ticket speeding and give verbal warnings to violators.	Increase use of helmets on ATVs and enhance enforcement efforts.	City, Tribe, VPSO, VPOs	Implement ordinance after helmets are obtained.	Meeting with safety partners to establish ordinances and enforcement system.	Public meetings to involve public.
ENGINEERING	Cut brush around existing speed limit signs.	Improve visibility of signs and reduce brush growing around signs.	Tribe, City	Annually	Brush cutting.	Develop a brush maintenance schedule.
EMERGENCY SERVICES	Encourage communication with safety partners through VHF radio. Participate in Alaska's Helmet Program.	Ensure properly sized helmets are available for all young drivers 16 years old and younger.	Tribe	On-going, 2020 (helmets)	Contact State helmet program, ordered and distributed helmets.	Resize kids for new helmets, as needed.

IMPLEMENTATION PLAN

EMPHASIS AREA #6			STRATEGIC LINKAGE			
BOATING SAFETY			► One resident account of a flipped boat several years ago due to strong currents and alcohol use.			
OBJECTIVES						
Reduce the risk of boating accidents and improve public access to boating safety gear and educational resources.						
SUCCESS INDICATORS						
Reduced number of boating accidents. Increased number residents wearing life jackets.						
4Es	ACTIONS	TARGET OUTPUT	RESPONISBLE PARTIES	DATE OF COMPLETION	PERFORMANCE MEASURES	MONITORING AND EVALUATION
EDUCATION	Hang posters and utilize monthly newsletters about personal flotation devices.	Inform the public about safe boating practices, and encourage people to use Kids Don't Float life vests but return them after use.	Tribe	2020, Annually	Development and distribution of educational documents.	Refresh educational strategies every summer.
ENFORCEMENT	Improve enforcement of life vest use while boating.	Reduce number of people operator boats without life jackets.	Tribe, City, VPSO, VPOs	On-going	Meetings and coordination with local law officials.	Meetings and coordination with local law officials.
ENGINEERING	Keep beach maintained and remove driftwood debris.	Reduce hazards and debris at boat landing areas.	Tribe, City	Annually	Beach maintenance.	Schedule future inspections of beach and cleanup activities.
EMERGENCY SERVICES	Apply to Kids Don't Float program. Encourage people to share travel plans with family members. Provide safety gear for boating survival kits.	Restock the loaner board. Improve search and rescue response and communications.	Tribe	Annually	Coordinate with safety classes to teach people to develop their own survival kits.	Apply for Kids Don't Float every spring, or as needed.

APPENDIX D: RESOLUTION

The New Stuyahok Traditional Council

Resolution No. 2020-05

A Resolution adopting the

New Stuyahok 2020-2025 Tribal Transportation Safety Plan

WHEREAS, the New Stuyahok Village hereafter "Tribe" is a federally recognized tribe; and

WHEREAS, the New Stuyahok Traditional Council is the governing body of the Tribe; and

WHEREAS, the Tribe recognizes the importance of improving transportation safety for its tribal members and all residents of New Stuyahok; and

WHEREAS, the Tribe has gained significant community input on identifying transportation safety concerns and priorities for New Stuyahok through a public survey administered in September of 2019 and a public meeting held on October 8, 2018; and

WHEREAS, the Tribe has identified and prioritized strategies to improve transportation safety throughout the community, and upon approval and adoption of the New Stuyahok 2020-2025 Tribal Transportation Safety Plan, the Tribe also approves implementing the priorities identified in the plan.

NOW, THEREFORE, BE RESOLVED, that the Tribe hereby adopts the New Stuyahok 2020-2025 Tribal Transportation Safety Plan.

CERTIFICATION

The New Stuyahok Traditional Council has adopted this resolution during a meeting held on March 23, 2020, in New Stuyahok, Alaska, with a quorum present.

For X Against Abstain Present Absent

Margie Hastings
Signature

Margie Hastings
Print Name

Vice President
Title

3/26/20
Date

Wassilie Andrews
Signature

WASSILIE ANDREWS
Print Name

President
Title

03/23/2020
Date

APPENDIX E: ANNUAL REVIEW DOCUMENTATION

(To be added annually)