

White Earth Nation Tribal Transportation Safety Plan

MN TZD Conference - October 22, 2024







Introductions

- Michael Bowman, White Earth Nation
- Tracy Olson, MnDOT
- Matt Knight, SRF







Background

Collaboration

White Earth Nation

MnDOT

Mahnomen County

Plan Development

Engagement

Locations

Strategies

Priorities

Opportunities

Safe Streets and Roads for All (SS4A)

Tribal Transportation Program Safety Fund (TTPSF)

Active Transportation Investment Program (ATIIP)









Project Goal

The goal of this project is to produce an updated subset of traffic safety plans, incorporating new practices, crash data and lessons learned while building on the documents that were previously completed. The updated traffic safety plan will still have a focus on reducing fatal and serious injury crashes on the tribal, state, and local roadway systems while aligning with the statewide Strategic Highway Safety Plan.







Safe Streets and Roads for All (SS4A) Grant Program

The Bipartisan Infrastructure Law (BIL) established the new Safe Streets and Roads for All (SS4A) discretionary program, with \$5 billion in appropriated funds over 5 years, 2022-2026. The SS4A program funds regional, local, and Tribal initiatives through grants to prevent roadway deaths and serious injuries.







Safe Streets and Roads for All (SS4A) Grant Program

In the Safe Streets and Roads for All (SS4A) grant program, comprehensive safety action plans (referred to as "Action Plans") are the basic building block to significantly improve roadway safety.

Action Plans are comprehensive safety plans aimed at reducing and eliminating **serious-injury and fatal crashes** affecting all roadway users.

Action Plans use **data analysis** to characterize roadway safety problems and strengthen a community's approach through **projects and strategies** that address the most significant safety risks.

The SS4A grant program is guided by the **Safe System Approach**, which involves a paradigm shift to improve safety culture, increase collaboration across all safety stakeholders, and refocus transportation system design and operation on anticipating human mistakes and lessening impact forces to reduce crash severity and save lives.







SS4A Action Plan Components

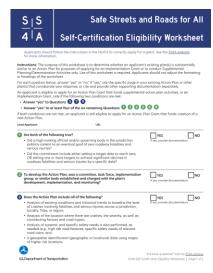
- 1. Leadership Commitment and Goal Setting
- 2. Planning Structure
- 3. Safety Analysis
- 4. Engagement and Collaboration
- 5. Equity Considerations
- 6. Policy and Process Changes
- 7. Strategy and Project Selection
- 8. Progress and Transparency







SS4A Self-Certification Eligibility Worksheet



<u>S S</u>	Safe Streets ar	
4 A	Self-Certification Eligit	oility Workshe
 Engogement wi 	on development include all of the following activities? the public and relevant stakeholders, including the and community groups;	YES Tyes, provide documentation
collaboration in Coordination th	finformation received from the engagement and to the plan, and at included inter- and intra-governmental cooperation on, as appropriate.	
Considerations The identification Equity analysis,	on development include all of the following? of equity using inclusive and representative processes; on of underserved communities through date, and in collaboration with appropriate partners, focused on acct crossements of the proposed projects and strategies, characteristics.	YES If yes, provide documentation:
guidelines, and, processes priori • The plan discus	pment included an assessment of current policies, plans, for standards to identify apportunities to improve how	YES If yes, provide documentation
address the safet	entify a comprehensive set of projects and strategies to ty problems in the Action Plan, time ranges when tegies will be deployed, and explain project eria?	YES If yes, provide documentation.
 A description of a minimum, out 	lude all of the following? how progress will be measured over time that includes, at come data. ted publicly critine.	Tyes, provide documentation:
Was the plan fine 2023?	alized and/or last updated between 2018 and June	Tyes, provide documentation:
The plan is post Was the plan fine	ted publicly online.	
Department of Texas	enoutation SEAS CHECK	Still have questions? Visit the SS45 (Contine Chability Workshoot Do.







Leadership Commitment and Goal Setting



An official public commitment (e.g., resolution, policy, ordinance, etc.) by a high-ranking official and/or governing body (e.g., Mayor, City Council, Tribal Council, MPO Policy Board, etc.) to an eventual goal of zero roadway fatalities and serious injuries. The commitment must include a goal and timeline for eliminating roadway fatalities and serious injuries achieved through one, or both of the following:







Leadership Commitment and Goal Setting

- (1) the target date for achieving zero roadway fatalities and serious injuries, OR
- (2) an ambitious percentage reduction of roadway fatalities and serious injuries by a specific date with an eventual goal of eliminating roadway fatalities and serious injuries

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Leadership Commitment and Goal Setting

- By the year 2043, White Earth Nation's goal is to achieve zero roadway fatal and serious injury crashes.
- Apply for funding for three safety projects annually within the White Earth Nation Reservation to reduce fatal and serious injury crashes.
- Implement three safety strategies specific to lane departure crashes within the White Earth Nation Reservation with a goal to reduce these crashes by 50% by the year 2033.
- Implement one safety strategy within the White Earth Nation Reservation to reduce fatal and serious injury **non-motorist crashes** with a goal to reduce these crashes by 50% by the year 2033.
- White Earth Nation will allocate funds in their TIP for safety specific projects with a goal to reduce fatal and serious injury crashes by 50% by the year 2033.







Planning Structure



A committee, task force, implementation group, or similar body charged with oversight of the Action Plan **development**, implementation, and monitoring.







Planning Structure

A committee, task force, implementation group, or similar body charged with oversight of the Action Plan **development**, **implementation**, and **monitoring**.

Agency/Organization	Representative
WEN TTP Director	Michael Bowman
WEN TTP Assistant Director	Matt Smith
WEN Public Safety Coordinator	Sierra Weaver
MnDOT – District 4	Nathan Bausman
Mahnomen County Engineer	Jon Large
Federal Highway Administration – Office of Tribal Transportation (FHWA – OTT)	Chris Kwilinski
Headwaters Regional Development Commission (HRDC)	Tony Klaes







Planning Structure

A committee, task force, implementation group, or similar body charged with oversight of the Action Plan development, implementation, and monitoring.

Agency/Organization	
WEN TTP Director	
WEN TTP Assistant Director	
WEN Public Safety Director	
WEN Public Safety Coordinator	
WEN Emergency Management Coordinator	
MnDOT – District 4	
MnDOT - District 4 Planning Director	
MnDOT – District 4 Principal Planner	
MnDOT – TZD Coordinator	
Mahnomen County Engineer	
Mahnomen Volunteer Fire Department	
City of Mahnomen Administrator	
FHWA – OTT	
HRDC	
CHS Inc.	







Safety Analysis



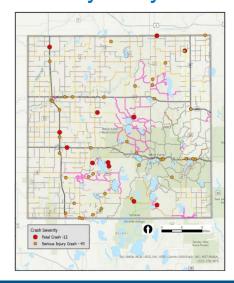
Analysis of existing conditions and historical trends that provides a baseline level of crashes involving fatalities and serious injuries across a jurisdiction, locality, Tribe, or region. Includes an analysis of locations where there are crashes and the severity of the crashes, as well as contributing factors and crash types by relevant road users (motorists, people walking, transit users, etc.). Analysis of systemic and specific safety needs is also performed, as needed (e.g., high-risk road features, specific safety needs of relevant road users, public health approaches, analysis of the built environment, demographic, and structural issues, etc.). To the extent practical, the analysis should include all roadways within the jurisdiction, without regard for ownership. Based on the analysis performed, a geospatial identification of higher-risk locations is developed (a High-Injury Network or equivalent)

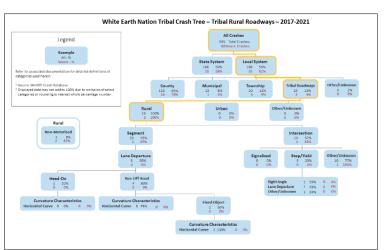






Safety Analysis











Safety Analysis

2017-2021 Fatal and Serious Injury Crashes

		White Earth Nation												
		All Sy:	stems	State 9	System	County	System	Tribal	System	Muni	cipal	Township	/Other	
	Total Severe Crashes	53	100%	20	100%	26	100%	3	100%	1	100%	3	100%	
	Intersection	16	30%	7	35%	8	31%	1	33%	0	0%	0	0%	
	Lane Departure	42	79%	15	75%	23	88%	1	33%	0	0%	3	100%	
8	Run-Off-Road	37	70%	13	65%	20	77%	1	33%	0	0%	3	100%	
Are	Head-On	5	9%	2	10%	3	12%	0	0%	0	0%	0	0%	
<u>ē</u>	Impaired	16	30%	4	20%	10	38%	1	33%	0	0%	1	33%	
Š	Speed	20	38%	5	25%	11	42%	1	33%	0	0%	3	100%	
	Unbelted	17	32%	5	25%	10	38%	0	0%	0	0%	2	67%	
	Inattentive	11	21%	4	20%	6	23%	1	33%	0	0%	0	0%	
	Older Driver	9	17%	6	30%	3	12%	0	0%	0	0%	0	0%	
	Motorcycle	9	17%	7	35%	2	8%	0	0%	0	0%	0	0%	
, u	Younger Driver	14	26%	4	20%	6	23%	1	33%	1	33%	2	67%	
ie e	Non-motorist	4	8%	0	0%	1	4%	2	67%	1	33%	0	0%	
Strategic	Pedestrian	3	6%	0	0%	1	4%	1	33%	1	33%	0	0%	
S	Bicyclist	1	2%	0	0%	0	0%	1	33%	0	0%	0	0%	
	Commercial Vehicles	2	4%	2	10%	0	0%	0	0%	0	0%	0	0%	
	Work Zone	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
ed.	Unlicensed	22	42%	5	25%	11	42%	3	100%	0	0%	3	100%	
5	Trains	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
E	Deer/Animal	2	4%	1	5%	1	4%	0	0%	0	0%	0	0%	
రి	Winter Weather	3	6%	1	5%	2	8%	0	0%	0	0%	0	0%	
		1471 Miles		106 Miles		485 Miles 148 Miles			22 Miles			710 Miles		
	Miles per fatal or severe crash	27.8		5.3		18.7		49.3	22.0		236.7			

a. Focus Area definitions consistent with the 2020-2024 Minnesota Strategic Highway Safety Plan unless otherwise noted







Safety Analysis

- Lane departure crashes are the predominant type of crashes on the state and county systems within the reservation boundaries
- Intersection crashes represent approximately 1/3 of all severe crashes within the reservation boundaries
- Severe non-motorist crashes are overrepresented on the tribal and municipal systems within the reservation boundaries







Engagement and Collaboration



Robust engagement with the **public** and **relevant stakeholders**, including the **private** sector and **community groups**, that allows for both **community** representation and **feedback**. Information received from **engagement** and **collaboration** is analyzed and incorporated into the **Action Plan**. Overlapping jurisdictions are included in the process. Plans and processes are coordinated and aligned with other governmental plans and planning processes to the extent practical.





SRF

Engagement and Collaboration

Engagement Events

- State of the Nation Event
- Public Survey
- White Earth Powwow
- Project Management Team
- Task Force
- Technical and Engagement Workshops











Engagement and Collaboration

Tribal Transportation Safety Plan

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What is the White Earth Nation Tribal Transportation Safety Plan?

The goal of the Safety Plan is to produce an updated subset of traffic safety plans, incorporating new practices, crash data and lesson learned while building on the documents that were previously completed. The updated traffic safety plan will still have a focus on reducing fatal and serious injury crashes on the state and local roadway system while aligning with the statewide Strategic Highway Safety Plan.

Engagement Will Inform the Plan:

The plan is informed by safety needs and desires from the community. A key step in identifying needs and desires in engagement. An online survey was available and the project team attended a community event for engagement.

State of the Nation Event

The project team attended State of the Nation to conduct in-person community engagement and answer any questions that people had about the safety plan.

Online Survey

Open May 15 - July 10, the survey included a comment map, multiple choice and optional demographic questions. The survey receied over 110 total responses. Paper copies of the survey were as available throughout the community for those unable to participate digitally.









Engagement and Collaboration

Key Themes

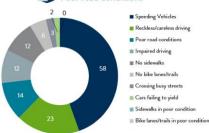
The most common safety concerns identified in the survey were:

Speeding vehicles

Reckless / careless driving

* No sidewalks

As Poor road conditions



More than 50% of respondents avoid walking, biking, taking transit, or diving because of transportation safety concerns.

More than 80% of respondents drive as their main form of transportation around White Earth Nation.

43% of respondents noted that they have been, or almost been, in a crash involving a vehicle, bicycle, or pedestrian.







Equity Considerations



Plan development using inclusive and representative processes. Underserved communities* are identified through date and other analysis in collaboration with appropriate partners. Analysis includes both population characteristics and initial equity impact assessments of the proposed projects and strategies.

* An underserved community as defined for this NOFO is consistent with the Office of Management and Budget's Interim Guidance for the Justice40 Initiative https://www.whitehouse.gov/wp-content/uploads/2021/07/M-21-28.pdf and the Historically Disadvantaged Community designation, which includes U.S. Census tracts identified in this table https://datahub.transportation.gov/stories/s/tsyd-k6ij; any Tribal land; or any territory or possession of the United States.







Equity Considerations

Equity tools used:

- ETC Explorer
- Climate and Economic Justice Screening Tool
- Suitability of Pedestrian and Cyclist Environment (SPACE) Analysis



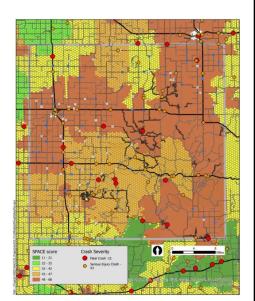




Equity Considerations

The White Earth Nation Safety Plan emphasizes equity by:

- Ensuring an inclusive and representative public engagement process
- Further understanding of underserved and disadvantaged communities within White Earth Nation
- Incorporating equity considerations into project priority recommendations









Policy and Process Changes



Assessment of current policies, plans, guidelines, and/or standards (e.g., manuals) to identify opportunities to improve how processes prioritize transportation safety. The Action Plan discusses implementation through the adoption of revised or new policies, guidelines, and/or standards, as appropriate.







Policy and Process Changes

Policy and Process Changes

- · Federal/State
 - · National Roadway Safety Strategy (NRSS)
 - · Toward Zero Deaths (TZD)
 - · MnDOT D4 Bicycle Plan
 - · Statewide Speed Limit Vision Project
- Local
 - · Hwy 113 Pedestrian Study
 - · MnDOT District Safety Plan
 - · Mahnomen County
 - Pavement Policy
 - CRSP
 - · Becker County
 - CRSP
 Clearwater County
 - CPSD
- Tribal
 - · BIA Maintenance Program
 - · Adequate Standard Characteristics for Roadways

TABLE A. - ADEQUATE STANDARD CHARACTERISTICS

NUMBER	1 2	3	4 5	6	,	8	10	11	12	13	14	15	16	17	18	19	20	21	
	(1) (2)	(3)	(1) (2)	(3)	(1)	(2) (0 (1)	(2)	(3)	(1)	(2)	(3)	N/A	N/A	NA	N/A	NIA	NIA	N/A
FUTURE ADT used in ADS assignment	N/A		FADT>	=400	FAC	T<400	T	N/A		N/A			N/A	N/A N/A		NIA	NIA	NA	N/A
BIA CLASS	MAJO ARTER		RURAL	. MINOF	RARTE	RIALS		RURAL MAJOR COLLECTOR			5 IRAL LOX		6 CITY MINOR ARTERIAL			MOTORIZED/ NON- MOTORIZED TRAILS	9 OTHER TRANSPOR- TATION FACILITIES	10 AIRSTRIPS	Overlapping Routes
	_	_		_	_		_				CULATE								
FUTURE SURFACE TYPE (EXISTING)	PAVI	D	PAVE	ED	PA	VED			RAVEL	FADT OVER 250 - AVED			FADT UNDER 50 - EARTH FADT 50-250 - GRAVEL FADT OVER 250 - PAVED			DEPENDS ON FACILITY	NIA	NIA	N/A
FUTURE SURFACE TYPE PROPOSED)	PAVE	.D	PAVE	ED	P/	VED	F/	FADT UNDER 50 EARTH FADT 50-250 - GRAVEL FADT COVER 250 PAVED FADT COVER 250 PAVED		FADT AVEL 250 -	FADT UNDER 50 - EARTH FADT 50-250 - GRAVEL FADT OVER 250 - PAVED			DEPENDS ON FACILITY	NIA	NIA	NIA		
DEFAULT CURRENT ADT/DEFULT FUTURE ADT***	must e	xist	ADT 10	14	9	FADI	Т	ADT 50 FADT 74		ADT	74				ADT 25 FADT 37	ADT 20 FADT 30	NIA	NA	NIA
										RECC	MMEND		SIGN						
WINIMUM ROADWAY WIDTH (INCLUDING SHOULDERS)	66		367			32		32'			28'		50' TOTAL PARKING 7' TURNING 12'	21' TO 38' DEPENDING ON TURNING LANES AND PARKING		DEPENDS ON FACILITY	NIA	N/A	NA
SHOULDER WIDTH	6' MINIM	UM.	6'			4		4"			z		N/A			NIA	NIA	NA	NA
SHOULDER TYPE	PAVE	D	PAVE	ED	P/	VED	Т	PA	/ED/GF	RAVEL/EARTH		N/A			NIA	NIA	N/A	NA	







Strategy and Project Selection



Identification of a comprehensive set of projects and strategies, shaped by data, the best available evidence and noteworthy practices, as well as stakeholder input and equity considerations, that will address the safety problems described in the Action Plan. These strategies and countermeasures focus on a Safe System Approach, effective interventions, and consider multidisciplinary activities. To the extent practical, data limitations are identified and mitigated.

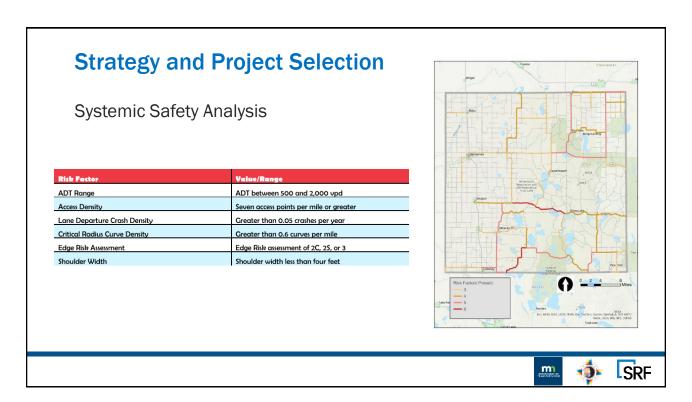
Once identified, the list of projects and strategies is prioritized in a list that provides time ranges for when the strategies and countermeasures will be deployed (e.g., short-, mid-, and long-term timeframes). The list should include specific projects and strategies, or descriptions of programs of projects and strategies, and explains prioritization criteria used. The list should contain interventions focused on infrastructure, behavioral, and/or operational safety











Strategy and Project Selection

Targeted Strategies

- Location
- Safety Concern
- Treatment
- Funding Opportunities

CSAH 4 Indian Health Center Clinic (Mahnomen County)
CSAH 4 Lighted Pedestrian Pathway is a one-mile pathway in Mahnomen
County running adjacent to CSAH 4 north of the community of
Naytahwaush. The pathway provides a separated pedestrian facility
connection between two (2) essential community facilities, the
Government Work Force Center (sports complex) and the recently
constructed Indian Health Center Clinic.

Treatment

- Segment and Curve Strategies: N/A
- Possible Pedestrian and Bicycle Strategies: Lighted pedestrian
 pathway from Work Force Center (Sports Complex) to new Indian
 Health Service Clinic
- Intersection Strategies: N/A
- Other N/A

Location Identified by: WEN TTP Staff, Community/Working Group Input

Grant Opportunities: Active Transportation (AT), Transportation Alternative (TA), Tribal Transportation Program Safety Fund (TTPSF), Safe Streets and Roads for All (SS4A)

Planning Level Project Cost Estimate: \$1,302,045 (2027 Construction)





Figure 15 - CSAH 4 Indian Health Service Clinic to Sports Complex



Progress and Transparency



Method to measure progress over time after an Action Plan is developed or updated, including outcome data. Means to ensure ongoing transparency is established with residents and other relevant stakeholders. Must include, at a minimum, annual public and accessible reporting on progress toward reducing roadway fatalities and serious injuries, and public posting of the Action Plan online.







Progress and Transparency



White Earth Nation has taken the following steps to ensure that progress is measured and that their safety goals are available to the public:

- The White Earth Nation Tribal Transportation Plan is available to the public at:







White Earth Nation Tribal Transportation Safety Plan

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Matt Knight – SRF Consulting Group mknight@srfconsulting.com





