## January 28, 2021 – Senate Appropriations Sub-Committee Question from SB 2012 Hearing

### One Time Funding Items:

Roadway Information Management System (RIMS) + Construction and Materials Management System (CMMS)

funding, business planning, project design, and maintenance programming. maintaining an inventory of the roadway features, conditions, and characteristics and providing decision-makers with the information necessary for The Roadway Information Management System (RIMS) is the primary means for defining and monitoring the state-owned highway network

classifications which identifies project milestones, highway components, base highway information, roadway information, utilities, billboards, signs, and highway The system is comprised of several modules including a project master schedule, bid opening schedule and a roadway management system

acquisition of a commercial-off-the-shelf product for a cost of \$5,860,000. robust reporting system, and GPS technology. The NDDOT proposes to remove RIMS from the mainframe via a software conversion or the RIMS is an antiquated system with limited capabilities which resides on the mainframe. RIMS currently lacks a user friendly web interface, a

allow access to real-time information and reporting. assessed. Currently individual Excel spreadsheets and standalone PDF forms are utilized. Data which is used in multiple locations must be manually re-entered and formula or calculation errors can occur. The CMMS will meet FHWA requirements, have a single point of data entry, and materials incorporated into construction projects are properly tested and reported and bonuses or deductions for material quality are appropriately Once RIMS is replaced, a construction and materials management system (CMMS) will be added for a cost of \$3,800,000. The CMMS ensures

The total cost of removing RIMS from the mainframe and adding a CMMS is \$9,660,000

# Benefits of a Statewide Transportation Management Center (TMC)

### Definition

surface transportation and reports important information to other State and Local agencies and to the public relating to the current driving conditions A Transportation Management Center is a central facility that controls, monitors, and manages the statewide operations of

#### Benefits

- Better Situational awareness as highway information is reported back to one central location and shared
- The TMC will convert raw data into useful information and safety related actions
- All incidents are handled in a uniform and consistent manner through a single source contact, which eliminates
- Center would operate 24/7/365 operating the State Intelligent Transportation System (ITS)
- when they can expect the system to be in their area and what to expect from the system. Has the ability to track weather systems as they move across the state and notify the proper maintenance forces of
- Has the ability to dispatch maintenance resources across the state
- Will provide quicker 24-hour roadway condition updates to citizens and employees
- connected vehicle technologies. Enhances the Departments ability to utilize advanced transportation systems such as variable speed limits and

- Allows the Department to pinpoint traffic incidents/emergency situations and send emergency responders quicker
- flooding, fires and storms Allows the Department to coordinate with surrounding State TMC's on events impacting multiple state jurisdictions like
- Emergency Services, State Radio, North Dakota Highway Patrol, Local Law Enforcement, Cities and Counties Will enhance coordination and cooperation between NDDOT and other State and Local partners such as the Department of
- Has the ability to monitor the weather and issue travel advisories without sending someone out on the road
- Can manage large traffic events and direct traffic to a quicker route
- Can monitor traffic in construction work zones and relay that information to the traveling public
- Can notify drivers of upcoming hazards or obstacles.
- Will serve as the central location for roadway closures travel alerts and no travel advised messaging when driving conditions
- Can relay information of wrong way detection and warning to the driver or other drivers that someone is traveling the wrong
- Notify drivers of an approaching oversize vehicle.
- Can monitor the types and frequency of various incidents to help identify any patterns
- Coordinate/update Dynamic Message Signs for Amber Alerts, roadway incidents and travel advisories.
- Provide information to the media quicker and more accurately.
- Provides the ability to deploy variable speed signs throughout the state

## NDDOT TMC Overview

- - Active Camera

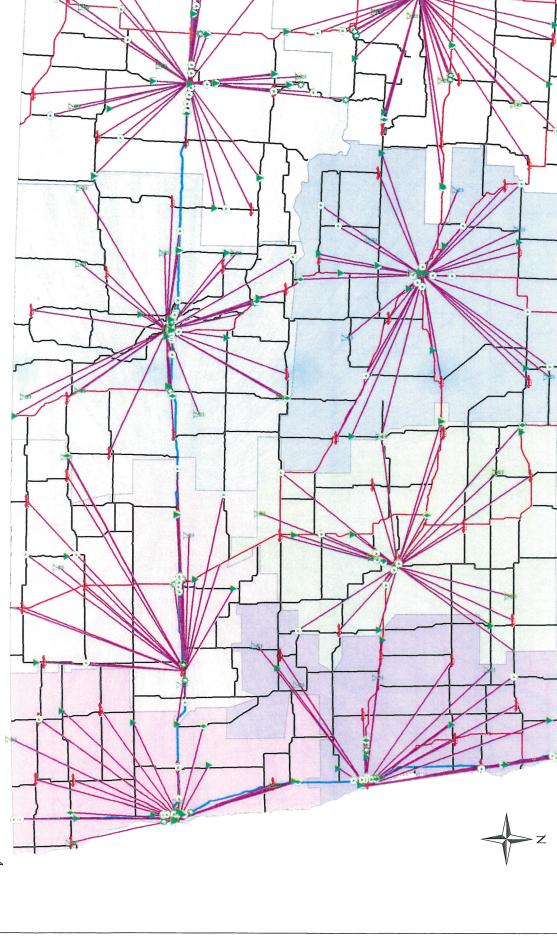
Environmental Sensor Station

Weigh in Motion

Automati

c Recorder

- Dynamic Message Sign
- Maintenance Site

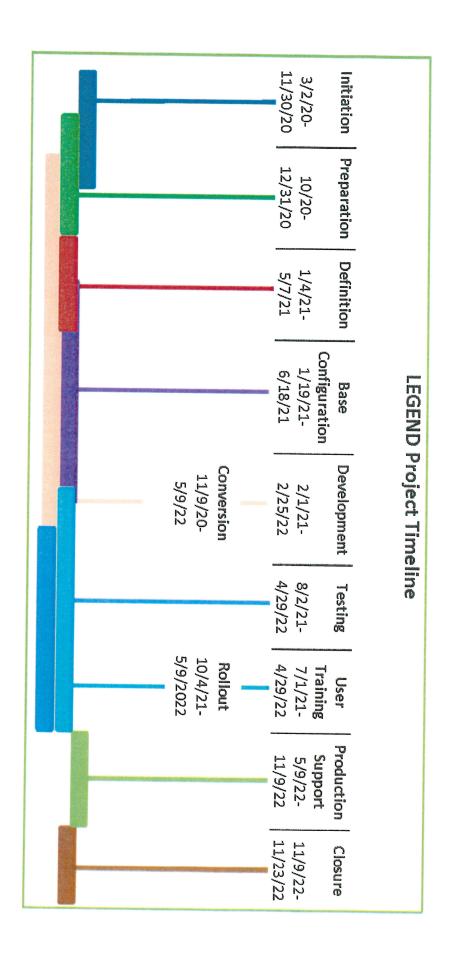


# Section 6 Exemption – Drivers License System Project

ending June 30, 2023 are available for continued drivers license system project costs during the biennium beginning July 1, 2021 and Session Laws is not subject to the provisions of section 54-44.1-11. Any unexpended funds from this appropriation The amount appropriated for the drivers license system project, as contained in section 1 of chapter 12 of the 2019

### DRIVER LICENSE PROJECT TIMELINE

- Business Process Improvement Project Completed Spring 2020
- RFP was released Spring 2020
- Contract signed with FAST Enterprises Fall 2020
- Build system on current, sustainable technology
- Flexible universal service delivery platform
- Currently in the Definition, Base Configuration, Conversion, and Development Phase
- Definition Phase Gathering System Requirements
- Base Configuration Verify core functions already installed
- Conversion Prepare data and develop conversion extracts
- Development Develop interfaces to other impacted systems
- Continue into Testing and Training Phases Summer 2021
- Go Live May 9, 2022



## Section 4. Exemption – Enhanced State Highway Investments

continued into the biennium beginning July 1, 2023, and ending June 30, 2025, and may be expended only for enhanced state highway investments section 1 of chapter 12 of the 2015 Session Laws. Any funds continued into the 2021-23 biennium but not spent by June 30, 2023, must be Section 54-44.1-11 does not apply to funding of \$503,115,558 in the capital assets line item relating to enhanced state highway investments in

If for some reason a delay is experienced during closeout this section allows those projects to be finalized in the 21 – 23 biennium. This section will not be needed after the Note: The North Dakota Department received an infusion of funds to be used in oil impact areas for infrastructure projects during the oil boom. Projects of this magnitude require time to complete given the need for design, engineering, permits, and construction. The last of these oil impact projects are scheduled to be closed out this biennium.

21-23 biennium.

### Remaining Projects

H-SOIB-7-085(112)180	804(062)293	085(109)125 AC-SS-SOIB-7-	SOIB-7-804(060)267 SOIB-4-083(143)921 AC-NH-SOIB-7-	023(041)925	SOIB-7-804(058)304	Project # SOIA-7-085(088)180
85 WILDLIFE CROSSING S OF L&C STRUCTURE FENCING FOR WILDLIFE CROSSING NEAR 85 LONG X 85 LONG X BRIDGE - HORSESHOE BEND 85 N OF LONG X BRIDGE - HORSESHOE BEND 85 PE (1-94 to WC ENV & Long X Design) 1804 PE & ROW (ND 1804, PCNs 20890 & 21594) Var Various Projects in Western ND New Town NW TRR - Golf Course Buildings 23 (CMAR) 2 WILLISTON - US 2/26TH ST/2ND AVE	1804 RED MIKE AREA TO CO RD 42 - EPPING 73 JCT ND 23 EAST 6 MI	85LONG X BRIDGE	1804 CNTY RD 5 TO JCT TIOGA RD - CNTY RD 21 83 Minot US 83 Bypass (4th Ave NW to US 83)	23 New Town NW TRR - Roadway/Golf holes	Cnty Rd 42 (123rd Ave NW)-Epping W to 131st Ave 1804 NW	Hwy Location 85 LEWIS & CLARK BRIDGE AND ROADWAY
Erosion Control/Seeding, Riprap, Ditch block Fencing PE & ROW PE ONLY PE & ROW Wetland Monitoring on SOIA/SOIB projects Buildings, Parking Lot - HBP, Grade, Landscaping, Lighting PE ONLY - Intersection Improvements	HBP, Grading, Widening (40'), Turn Lanes, Passing/Climbing Lanes, Struct/Incid	Structure Replacement, Grading, Agg Base, HBP, Wildlife Underpass	Struct/Incid  Struct/Incid  Widen existing bypass to 4-lanes, new Structure, Grade, HBP	Bypass - Grade, HBP	e Grade, Widening (40'), HBP, Turn Lanes, Passing/Climbing Lanes, Lighting	Type of Work New Bridge, Widening, HBP, Overlay, Turn Lanes
22460 \$ 22460 \$ 23130 \$ 23304 \$ 20081 \$ 20891 \$ 21593 \$ 21942 \$ 22255 \$		22041 \$	21785 \$ 22161 \$	19862 \$	21594 \$	Estimated Expenses PCN Remaining 20171 \$ 4,6
65,000 Work in progress 65,000 Work in progress 685,000 Work in progress 26,463 Work in progress 79,478 Work in progress 22,629 Work in progress 24,000 Work in progress 74,000 Work in progress 74,000 Work in progress 74,000 Work in progress 75,821 Work in progress 257,821 Work in progress	12,427,693 Work in progress	5,011,241 Work in progress	7,966 Project final. Closeout of CE contract remaining 658,377 Final records being reviewed.	332,845 Retainage and unresolved issues.	Contractor Claim, Non-binding mediation scheduled for March 2021. Arbitration scheduled 1,900,000 for July 2021.	Estimated Expenses Remaining Reason Expenses Remain \$ 4,622,000 Contractor Claim.

# Section 5. Appropriation – Department of Transportation

federal or other funds which may become available beginning January 1, 2021 and ending June 30, 2023. In addition to the amounts appropriated to the department of transportation in section 1 of this Act, there is appropriated any additional income from

Note: This section allows any additional federal funding received by the North Dakota Department of Transportation over the 21 -23 biennium to be automatically appropriated. This provision is especially critical in that federal funding, in particular discretionary federal funding, is often unpredictable and cannot be adequately estimated in advanced. The North Dakota Department of Transportation intends to aggressively pursue any and all discretionary federal funding which becomes available.

#### Grants

	0.96%				ble funding	Percentage of Available Funding	Perc	event and a resident to both to endering ever a status from the	
	43,511,000	**			Iotal Awarded Funds	Iotal Aw		The state of the s	"a small percentage may have been withheld to cover ISDDT administration cover
1/6/2021		45	v.	\$ 6,000,000 \$	9 -	5 0000,0000,5	v	4 KKS 600 000	Total Available Funding Nationally* & 4 555 600 000
9/16/2020	22,000,000		v	25,554,544 \$	30,354,544 \$	2,000,000 5		50 000 000 State and a state of the state of	28-Aug 2020 ATCMTD (Adv Trans & Consession Memit Tech Deployms)
9/16/2020		1,516,800 \$	·	471	23,071,950 \$	Z1,205,120 \$			18-May 2020 BUILD
9/16/2020			5,200,000 \$		18,000,000 \$	12,800,000 \$	A selose A	con above Sural Froncist Descention Through Building (Cont.) voltage & Modelly Project	18-May 2020 BUILD
8/11/2020	15,000,000		2,647,059 \$		17,647,059 \$	15,000,000 \$	, v	1 000 000 CO	18-May 2020 BUILD
6/18/2020		,		\$ 45,000,000 \$	4/1	45,000,000 \$	v		18-Mar 2020 FTA Bus & Bus Facilities Program 5339(b)
11/12/2019	,	1,456,300 \$	, Vs	44	in	21,605,150 \$	v	3	24-Feb 2020 INFRA
11/12/2019		30,400,000 \$		\$ 49,100,000 \$	45		·	See and the Control of the Control o	11-Jul 2019 BUILD
9/18/2019		1,730,500 \$			13,707,742 \$		CHANG .	SUBJECT OF THE COURSE IN CAMPAGE STATES HOUSE THE STATES THE STATES OF THE STATES AND STATES OF THE	11-Jul 2019 BUILD
9/18/2019	,	,		\$ 917,586 \$	4,587,928 \$	3,670,342 \$		construction and an account to find the state of the stat	20-Mar 2019 Automated Driving System Demonstration (ADS) Grant
7/25/2019	,	\$ 000,000,00	ų,	\$ 54,500,000 \$			10	60 000 ON ALTOMATIC FIRE IN CADA STORY	20-Mar 2019 Automated Driving System Demonstration (ADS) Grant
3/28/2019	\$ 6,511,000	1	2,106,368 \$						1-Mar 2019 ##FBA
1000	Award -	Match -	Match	Match -	al Project Co	Request Total Project C	4	225 000 000 North Objective Bodge Burgl Beachanger (Bodge Burgl	3-Dec 2018 Competitive Highway Bridge Grant Program
Award		Other	local.	NDOOT		Federal \$\$		Aveilable Funding	