Minnesota

Department of Public Safety

MNLARS

Licensing and Registration System

Project Update

January 2017

Presented by:
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Dawn Olson, Director, Driver and Vehicle Services Division

Public Safety Mission

A Safer Minnesota

- To protect citizens and communities
- Prevent, prepare, respond, recover, educate, and enforce
- Focus on saving lives, providing efficient and effective services
- Maintain public trust and develop strong partnerships

Department of Public Safety

Transportation
Policy and Finance Committees

Minnesota State Patrol

Office of Traffic Safety

Driver and Vehicle Services

Office of Pipeline Safety

Administration and Related Services

Public Safety
Policy and Finance Committee

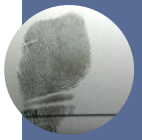
Alcohol and Gambling Enforcement

Fire Marshal Division

Office of Justice Programs

Emergency Communication Networks

Homeland Security and Emergency Management



Bureau of Criminal Apprehension

MNLARS

Licensing and Registration System

Mission
Need
Goals
Leaders
Budget
Early Years
Current
Forward
Outreach
Benefits
Schedule
Audit

MNLARS Mission

To build and deliver the best secure driver and vehicle information system that is within budget, easy to use and maintain, and that allows for future enhancement.

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Need for MNLARS

- The mainframe is a 30 year-old system, past its prime
- 2007 system analysis recommended replacement
- Layering today's security technology on an old system increases system vulnerability
- Limited ability to accommodate change
  - Minor changes require major development effort
  - Changes to one function may unknowingly affect other functions

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MNLARS Project Goals

1. Reduce transaction processing times.
2. Improve data access, accuracy, consistency, and security.
3. Improve customer assistance and communications.
4. Standardize processes.
5. Reduce paperwork and paper flow.
6. Increase customer convenience.

Leadership/Governance Partnership

Driver & Vehicle Services

- Provides project leadership
- Engages key business partners in planning
- Key staff serve as subject matter experts

MINNESOTA IT SERVICES

- Provides project leadership
- Works with business subject matter experts to develop and test software
- Maintains aging legacy systems
- Responsible for ongoing maintenance of MNLARS as each phase is implemented

Budget

	FY16	FY17	FY18
Consultants	$ 8,600,000.00	$ 16,229,850.00	$ 15,834,250.00
Staff	$ 2,021,021.00	$ 2,700,000.00	$ 3,683,000.00
Rent and space needs	$ 206,292.00	$ 300,000.00	$ 300,000.00
Supplies, Misc, Other	$ 78,480.00	$ 50,000.00	$ 50,000.00
Insurance	$ 1,537.00	$ 2,000.00	$ 2,000.00
Statewide Indirect Costs	$ 68,106.00	$ 73,000.00	$ 73,000.00
Enterprise Data Center (EDC) & Identity Access Mgmt (IAM)	$ 975,443.00	$ 2,890,000.00	$ 6,313,000.00
	$ 11,900,879.00	$ 22,244,000.00	$ 26,255,000.00

- Development Funding: Technology surcharge, which ended on June 30, 2016
- Maintenance Costs: DVS and MN.IT establishing ongoing MNLARS operation costs

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Goals
Leaders
Budget
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Early Years

2008

Seeks funding to replace legacy system

2009-10

Identifies requirements to replace mainframe

2011-12

Searches for vendor to build MNLARS

2014

Ends contract with HP and takes different track

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Goals
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Budget
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Current
Forward
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Audit

Current Highlights

2015

- We started new development with MN.IT
- Began outreach to deputy registrar
- First system demo

2016

- Hands on session with deputy registrars
- Added a practice and training phase
- Live demonstration at MDRA Annual Meeting
- Launched Read-Only phase in October
- Started deputy registrar transition to new system

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Need
Goals
Leaders
Budget
Early Years
Current
Forward
Outreach
Benefits
Schedule
Audit

Looking Forward

2017

- Start dealer transition to new system
- Training for deputy registrars and DVS staff motor vehicle title & registration
- Training/Practice Phase
- Switch from Mainframe to MNLARS production
- Development of motor vehicle add-ons
- Development of driver's license part of MNLARS
- Begin driver's license phased implementation

2018

- Finish driver's license implementation
- Retire legacy systems

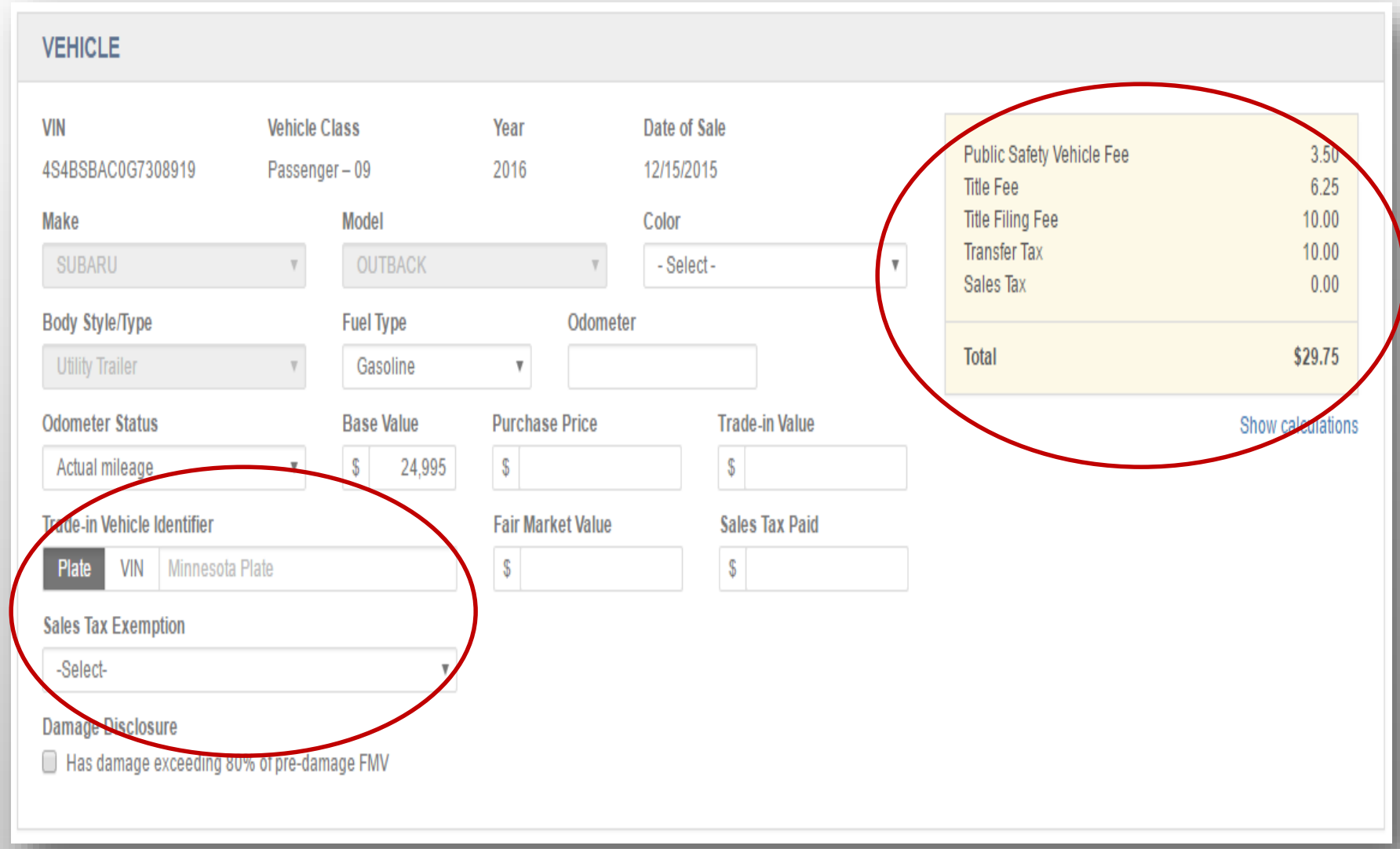
2016 MNLARS Stakeholder Outreach

- DVS/MDRA Bi-monthly Strategy Meetings
- DVS/MDRA Monthly Stakeholder Committee Meetings
- DVS/MDRA Monthly Communication Team Meetings
- Monthly MNLARS System Demonstration
- MDRA representative imbedded in MNLARS team
- Presentation at MDRA Annual Membership Meeting
- Targeted Communication to deputy registrar office managers and Super Users
- “Try It” sessions for deputy registrars and DVS staff
- DVS/Dealer Association bi-monthly meetings
- Data access training for the data use representatives at deputy registrars and government offices
- New barcode reader for each office
- Gathered IT contact information for each office

```
VH10   BC: @            NEW MOTOR VEHICLE RECORD ENTRY        HELP   08:54:06

TRANS:          LIENS:       SUSPENSE:
PLATE:                STICKER:                EXPR:         NEW LESSEE:
VEH CLASS:       TITLE:              NEW:   DATE OF FIRST SALE:
                 FILE 1:          FILE 2:        FLAGS:          ST/YR    AID:
ODOMETER:             COLOR:                EMPTY WT:     AXLES:

VIN:                    YR:    MAKE:      STYLE:    SERIES:     TAX BASE:
                                          FUEL:   MTRCYCL ENG:
ID:                 -                                    DB              RI
                    -                                     -               -
                    -                                     -               -

ADDR:                                   CITY:
DATE OF LIEN:
1ST SECURED PARTY:
ADDR:                                   CITY:
                                        TECH SUR:     WTC:    WTF: @

MONTH'S(PARTIAL REG):
REG:         TE:        PLTFEE:      ARR:        FEE:       SPV:     TRFTX:
SRV:       TITLE:       SLS TX:       PENLTY:      SPEC:           TOT:
```

```
                    MOTOR VEHICLE GENERAL HELP SCREEN                    11/13/15
VH20                                        F KEYS FOR THIS TRAN  HELP   11:53:16
                                          |------------|------------|------------|
  F1 KEY HELP VALUES (IN HELP FIELD)      |  F1        |  F2        |  F3        |
BLANK    - GENERAL HELP SCREEN            |    HELP    |  NOT USED  |  END FUNC  |
1        - LONG ERRMSG (MV ENT/UPD/COR)   |            |            |            |
2 3      - FILE CODE SCREENS              |------------|------------|------------|
4567[]\  - FLAG CODE SCREENS              |  F4        |  F5        |  F6        |
$        - REFUND FLAGS SCREEN            | DSPL MENU  | DV02 TRAN  |  DSPL RNWL |
89()-=   - SUSP CODE SCREENS 1 THRU 6     |            | FOR 1ST ID |  NOTICE    |
A        - VEH CLASS / GEN'D OPER-IDS     |------------|------------|------------|
B        - PROCESSING AID SCREEN          |  F7        |  F8  PAGE  |  F9        |
C        - TRANSACTION, SPEC FEE CODES    | PAGE BACK/ | AHEAD- VEH | DSPL INVEN |
D        - COLOR, MC STYLE, CONJ CODES    | SUSTXT INQ | SEL SCREEN | INQ SCREEN |
E        - PSGR STYLE CODES               |------------|------------|------------|
F        - TRUCK STYLE CODES              |  F10       |  F11       |  F12       |
G        - MISC HELP SCREENS INDEX        | MV DISPLAY | DSPL ADDL  | DSPL SUSP  |
H - Z    - MISC HELP SCREENS H THRU Z     |  SCREEN    | LH SCREEN  | LETTER INQ |
                                          |------------|------------|------------|
  F5 KEY HELP VALUES (VH10/11 12/13 70) ALSO  F2=SHOW PRV NAM/ID(VH21/35/36/40)
A - Z - STD CORP NAMES (EXCPT L)          ---  F5=DV02 INQUIRY        (VH20/21)
L     - STD LIEN NAMES                     --  F9=FMT RUNNING TOT RCPT(VH11/13)
/     - STICKER INVEN RANGE TBL             -  F9=FMT SUSP FREETXT    (VH30/31)
```

```
VH20          MOTOR VEHICLE SUSPENSE HELP SCREEN 1            HELP ▌ 11:54:4
CODE  MEANING - REQUIREMENTS ('@' IS SEPARATOR CHAR)
 AD - ADMINISTRATIVE TITLE - SELLER NAME @ BUYER NAME
 AE - ABOVE MARKET VALUE (SUB. LOWER PUR. PRICE) - $$$$$.CC @ $$$$$.CC
    -
 AG - ADMIN IMPOUND GENERATED - (NO ENTRY) - GENERATED BY VH10/11/12/13
 AI - ADMINISTRATIVE IMPOUND - TYPE OF APPLICATION
 AJ - PLT IMP - PLT @ ARE/ARE NOT @ VIOLATOR @ MM/DD/YY
 AO - PLT IMP - PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY (INC DT) @ NO. IN SUB
 AP/2P PLT IMP- PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY @ NOSUBD @ LAW ENF
 AQ/2Q PLT IMP- PLT @ VIOL @ MM/DD/CCYY (DOB) @ MM/DD/YY (INC DT) @ NSUBD(1998
 AR - ADDL REG TAX - $$$.CC (TOTAL DUE) @ $$$.CC (AMT PD) @ $$$.CC (ADDL DUE)
 AS - ALTERED SALE DATE - SELLER NAME @ BUYER NAME
 AT - APPLICATION FOR TITLE - NAME @ SECTION TO BE COMPLETED
 AX - PLT IMP - PLT @ OWNER @ VIOL @ MM/DD/CCYY(DOB) @ MM/DD/YY(INC DT) @ NSUB
 AY/2Y PLT IMP- PLT @ OWNER @ VIOL @ MM/DD/CCYY(DOB) @ MM/DD/YY @ NSUBD (1998)
    -
    -
 AZ - ARIZONA SALES TAX - $$$$$$.$$ @ $$$$.$$ @ $$$$.$$
    -
```


VEHICLE
VIN
4S4BSBAC0G7308919
Vehicle Class
Passenger – 09
Year
2016
Date of Sale
12/15/2015
Make
SUBARU
Model
OUTBACK
Color
- Select -
Body Style/Type
Utility Trailer
Fuel Type
Gasoline
Odometer
Odometer Status
Actual mileage
Base Value
$ 24,995
Purchase Price
$
Trade-in Value
$
Trade-in Vehicle Identifier
Plate
VIN
Minnesota Plate
Fair Market Value
$
Sales Tax Paid
$
Sales Tax Exemption
-Select-
Damage Disclosure
Has damage exceeding 80% of pre-damage FMV
Public Safety Vehicle Fee 3.50
Title Fee 6.25
Title Filing Fee 10.00
Transfer Tax 10.00
Sales Tax 0.00
Total $29.75
Show calculations

REGISTRATION

Plate (scan or type)
023AAA

Sticker (scan or type)
U0000016

Check Inventory

Registration Tax	614.00
Contribution	0.00
Plate Fee	6.00
Wheelage Tax	10.00
Total	$630.00

Show calculations

Plate Style
Passenger

Exp Year
2017

Expiration Month
Nov (11)

Starting Date
12/01

Number of Plates
1 2

County Vehicle Kept In
RAMSEY

Plate Order

OWNER

Owner 1

Individual Entity

Minnesota ID (optional)
B123987654321

Look Up Owner

First Name
Scott

Middle Name
William

Last Name
Byer

Suffix (optional)
- Select -

Date of Birth
03/14/1960

Add another owner

TITLE ADDRESS

Title Certificate Address

Country

United States & Territories

Address Line 1

450 Carlton Street

Address Line 2 (optional)

Apt, suite, unit, etc.

State/Territory

Minnesota

County

RAMSEY

City

Saint Paul

ZIP Code

55106

Ext (optional)

Add a mailing address

LIENHOLDERS

Lienholder 1 Remove lienholder

Individual Entity

Entity Name

Wells Fargo Bank

Country

United States & Territories

Address Line 1

8th Street and Marquette Avenue

Address Line 2 (optional)

Apt, suite, unit, etc.

State / Territory

Minnesota

City

Minneapolis

ZIP Code

55404

Ext (optional)

Lien Date

mm/dd/yyyy

Add another lienholder

10/17/2016 MNLARS

PLATE BARCODE STICKER BARCODE DOCUMENT BARCODE

APPLICATION TO TITLE/REGISTER A VEHICLE

MINNESOTA DEPARTMENT OF PUBLIC SAFETY
Driver and Vehicle Services Division
445 Minnesota St., St. Paul, MN 55101-5185
Phone: (651) 297-2126 TTY: (651) 282-6555
dvs.dps.mn.gov

VEHICLE IDENTIFICATION NUMBER
4S4BSBAC0G7308919

PLATE NUMBER
012AAA

STICKER NUMBER
U0000045

OWNER(S)
SCOTT WILLIAM BYER
SARAH BRIN BYER

VEHICLE

VIN	4S4BSBAC0G7308919	**Odometer**	10
Vehicle	Passenger – 09	**Odometer Status**	Actual mileage
Year	2016	**Base Value**	24,995.00
Date of Sale	12/15/2015	**Purchase Price**	28,000.00
Make	SUBARU	**Trade-In Value**	12,000.00
Model	OUT	**Trade-In Vehicle Identifier**	Plate: 234UHC
Color	Green (GRN)	**Fair Market Value**	
Body Style/Type	Utility Trailer	**Sales Tax Paid**	1,040.00
Fuel Type	Gasoline	**Damage Disclosure**	Has not sustained damage in excess of 80% of actual cash value.

REGISTRATION

Plate	012AAA	**Number of Plates**	2
Sticker	U0000045	**County Vehicle Kept In**	RAMSEY
Plate Style	Passenger	**Expiration**	November 2017

OWNER(S)

Name	Scott William Byer	**Date of Birth**	03/14/1960
Minnesota ID	B123987654321		
Name	Sarah Brin Byer	**Date of Birth**	12/31/1963
Minnesota ID	B12345678987		

ADDRESS(ES)

Residence	450 Carlton Street St Paul, MN 55106 United States of America (USA)

INSURANCE

Company Name	State Farm Insurance	**Expiration Date**	12/12/2016
Policy Number	SF123		

LIENHOLDER(S)

Entity Name	Wells Fargo Bank	**Lien Date**	12/15/2015
Address	8th Street and Marquette Avenue Minneapolis, MN 55404 United States of America (USA)		

I (WE) CERTIFY I (WE) AM (ARE) OF LEGAL AGE, HAVE PURCHASED THIS VEHICLE SUBJECT TO LIENS SHOWN AND NO OTHERS. I (WE) ATTEST BY THIS TRANSACTION THAT THIS VEHICLE IS AND WILL CONTINUE TO BE INSURED WHILE OPERATED UPON THE PUBLIC STREETS AND HIGHWAYS. ALL OF MY (OUR) DECLARATIONS ARE TRUE AND CORRECT.

X _____ DATE _____

ALL INFORMATION COLLECTED ON THIS APPLICATION IS REQUIRED BY LAW AND IS USED TO IDENTIFY THE MOTOR VEHICLE. FAILURE TO PROVIDE REQUIRED INFORMATION MAY RESULT IN DENIAL OF THE REQUESTED ACTION. EXCEPT FOR CERTAIN USES PERMITTED BY FEDERAL AND STATE LAWS, PERSONAL INFORMATION CONTAINED IN YOUR APPLICATION MAY NOT BE DISCLOSED TO ANYONE WITHOUT YOUR EXPRESS CONSENT.

X _____ DATE _____

ANY PERSON WHO SHALL COMPLETE OR SUBMIT A FALSE OR FRAUDULENT MOTOR VEHICLE PURCHASER'S CERTIFICATE WITH INTENT TO DEFEAT OR EVADE SALES TAX SHALL BE GUILTY OF A MISDEMEANOR AND FOR EACH OFFENSE SHALL BE FINED NOT MORE THAN $500 OR BE IMPRISONED IN THE COUNTY JAIL FOR NOT MORE THAN ONE YEAR OR BOTH.

X _____ DATE _____

ALL PURCHASERS/OWNERS MUST SIGN

Mission
Need
Goals
Leaders
Budget
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Current
Forward
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Schedule
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Benefits

- MNLARS calculates all fees
- MNLARS eliminates the need for a deputy registrar to prepare a daily financial report
- MNLARS updates records in real time
- MNLARS improves data accuracy with a user interface that employs system edits, drop downs, auto-fill fields etc.
- MNLARS reduces letters to customer with required fields, such as insurance information, motorcycle engine number, odometer reading etc.
- MNLARS improves user access security and data access auditing
- MNLARS increases system stability

MNLARS Motor Vehicle Schedule

Read Only – Implemented October 2016

- Stands up MNLARS infrastructure (the foundation for the entire system)
- Introduces the new user management system
- Converts production data from mainframe to MNLARS
- User group: authorized government and private entities that look at record information

Adoption Phase

- Stand alone production-like practice environment
- User group: Deputy registrars and DVS staff

MNLARS Production Phase – Implementation Spring 2017

- Begins actual production activities in MNLARS
- Closes (retires) the motor vehicle portions of the mainframe
- User group: DVS staff, deputy registrars, dealers, and law enforcement

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Leaders
Budget
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Schedule
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Overall Project Health

Reporting period, Aug 27 – Nov. 25, 2016

Summary Category	MNLARS Status
Cost	Green
Quality	Green
Schedule	Green
Scope	Green
Staffing	Yellow

Driver & Vehicle Services

MINNESOTA IT SERVICES

Questions?

MNLARS