MNLARS Project Update

January 2017
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.
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
MNLARS Project Goals

1. Reduce transaction processing times.
2. Improve data access, accuracy, consistency, and security.
3. Improve customer assistance and communications.
5. Reduce paperwork and paper flow.
6. Increase customer convenience.
Leadership/Governance Partnership

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

- 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

<table>
<thead>
<tr>
<th></th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Consultants</strong></td>
<td>$8,600,000.00</td>
<td>$16,229,850.00</td>
<td>$15,834,250.00</td>
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<tr>
<td><strong>Staff</strong></td>
<td>$2,021,021.00</td>
<td>$2,700,000.00</td>
<td>$3,683,000.00</td>
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<tr>
<td><strong>Rent and space needs</strong></td>
<td>$206,292.00</td>
<td>$300,000.00</td>
<td>$300,000.00</td>
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<tr>
<td><strong>Supplies, Misc, Other</strong></td>
<td>$78,480.00</td>
<td>$50,000.00</td>
<td>$50,000.00</td>
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<tr>
<td><strong>Insurance</strong></td>
<td>$1,537.00</td>
<td>$2,000.00</td>
<td>$2,000.00</td>
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<tr>
<td><strong>Statewide Indirect Costs</strong></td>
<td>$68,106.00</td>
<td>$73,000.00</td>
<td>$73,000.00</td>
</tr>
<tr>
<td><strong>Enterprise Data Center (EDC) &amp; Identity Access Mgmt (IAM)</strong></td>
<td>$975,443.00</td>
<td>$2,890,000.00</td>
<td>$6,313,000.00</td>
</tr>
</tbody>
</table>

**Total Budget:**

- **FY16:** $11,900,879.00
- **FY17:** $22,244,000.00
- **FY18:** $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
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
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
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
### F1 KEY HELP VALUES (IN HELP FIELD)

<table>
<thead>
<tr>
<th>BLANK</th>
<th>1</th>
<th>2 3</th>
<th>4567[]</th>
<th>$</th>
<th>89()=</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL HELP SCREEN</td>
<td>LONG ERRMSG (MV ENT/UPD/COR)</td>
<td>FILE CODE SCREENS</td>
<td>FLAG CODE SCREENS</td>
<td>REFUND FLAGS SCREEN</td>
<td>SUSP CODE SCREENS 1 THRU 6</td>
<td>VEH CLASS / GEN'D OPER-IDS</td>
<td>PROCESSING AID SCREEN</td>
<td>TRANSACTION, SPEC FEE CODES</td>
<td>COLOR, MC STYLE, CONJ CODES</td>
<td>PSGR STYLE CODES</td>
<td>TRUCK STYLE CODES</td>
<td>MISC HELP SCREENS INDEX</td>
<td>MISC HELP SCREENS H THRU Z</td>
</tr>
</tbody>
</table>

### F5 KEY HELP VALUES (VH10/11 12/13 70)

- A - Z - STD CORP NAMES (EXCPT L)
- L - STD LIEN NAMES
- / - STICKER INVEN RANGE TBL

### F2 KEY HELP VALUES

- F1: HELP
- F2: NOT USED
- F3: END FUNC

### F4 KEY HELP VALUES

- F4: DSPL MENU
- F5: DV02 TRAN FOR 1ST ID
- F6: DSPL RNWL NOTICE

### F7 KEY HELP VALUES

- F7: PAGE BACK/SUSTXT INQ
- F8: AHEAD-VEH SEL SCREEN
- F9: DSPL INVEN INQ SCREEN

### F10 KEY HELP VALUES

- F10: MV DISPLAY SCREEN
- F11: DSPL ADDL LH SCREEN
- F12: DSPL SUSP LETTER INQ

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**Also:**

- F2 = SHOW PRV NAM/ID (VH21/35/36/40)
- F5 = DV02 INQUIRY (VH20/21)
- F9 = FMT RUNNING TOT RCPT (VH11/13)
- F9 = FMT SUSP FREETXT (VH30/31)
MOTOR VEHICLE SUSPENSE HELP SCREEN 1

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) @ NOSUBD (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 @ NOSUBD (1998)

AZ - ARIZONA SALES TAX - $$$$$$$.$$ @ $$$$$$.SS @ $$$$$$.SS
<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Public Safety Vehicle Fee</td>
<td>3.50</td>
</tr>
<tr>
<td>Title Fee</td>
<td>6.25</td>
</tr>
<tr>
<td>Title Filing Fee</td>
<td>10.00</td>
</tr>
<tr>
<td>Transfer Tax</td>
<td>10.00</td>
</tr>
<tr>
<td>Sales Tax</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$29.75</strong></td>
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</table>
**REGISTRATION**

<table>
<thead>
<tr>
<th>Plate (scan or type)</th>
<th>Sticker (scan or type)</th>
<th>Check Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>023AAA</td>
<td>U0000016</td>
<td></td>
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<table>
<thead>
<tr>
<th>Plate Style</th>
<th>Exp Year</th>
<th>Expiration Month</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Passenger</td>
<td>2017</td>
<td>Nov (11)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Starting Date</th>
<th>Number of Plates</th>
<th>County Vehicle Kept In</th>
<th>Plate Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/01</td>
<td>1</td>
<td>RAMSEY</td>
<td></td>
</tr>
</tbody>
</table>

| Registration Tax | 614.00 |
| Contribution     | 0.00   |
| Plate Fee        | 8.00   |
| Wheelage Tax     | 10.00  |
| **Total**        | **$630.00** |

**OWNER**

<table>
<thead>
<tr>
<th>Owner 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual</td>
</tr>
<tr>
<td>Minnesota ID (optional)</td>
</tr>
<tr>
<td>B123987654321</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First Name</th>
<th>Middle Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott</td>
<td>William</td>
<td>Byer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suffix (optional)</th>
<th>Date of Birth</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Select -</td>
<td>03/14/1980</td>
</tr>
</tbody>
</table>
### Title Address

**Title Certificate Address**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country</td>
<td>United States &amp; Territories</td>
</tr>
<tr>
<td>Address Line 1</td>
<td>450 Carlton Street</td>
</tr>
<tr>
<td>Address Line 2 (optional)</td>
<td>Apt, suite, unit, etc.</td>
</tr>
<tr>
<td>State/Territory</td>
<td>Minnesota</td>
</tr>
<tr>
<td>City</td>
<td>Saint Paul</td>
</tr>
<tr>
<td>Zip Code</td>
<td>55106</td>
</tr>
</tbody>
</table>

- **Add a mailing address**

### Lienholders

**Lienholder 1**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Individual/Entity</td>
<td>Individual</td>
</tr>
<tr>
<td>Entity</td>
<td></td>
</tr>
<tr>
<td>Entity Name</td>
<td>Wells Fargo Bank</td>
</tr>
<tr>
<td>Country</td>
<td>United States &amp; Territories</td>
</tr>
<tr>
<td>Address Line 1</td>
<td>8th Street and Marquette Avenue</td>
</tr>
<tr>
<td>Address Line 2 (optional)</td>
<td>Apt, suite, unit, etc.</td>
</tr>
<tr>
<td>State / Territory</td>
<td>Minnesota</td>
</tr>
<tr>
<td>City</td>
<td>Minneapolis</td>
</tr>
<tr>
<td>Zip Code</td>
<td>55404</td>
</tr>
<tr>
<td>Lien Date</td>
<td>mm/dd/yyyy</td>
</tr>
</tbody>
</table>

- **Add another lienholder**
**Application to Title/Register a Vehicle**

**Minnesota Department of Public Safety**

**Driver and Vehicle Services Division**

445 Minnesota St., St. Paul, MN 55105-5185

Phone: (651) 297-4200 TTY: (651) 297-4055

**Vehicle Identification Number** 4S4888C06G7308919

**Owner(s)**

SCOTT WILLIAM BYER

SARAH BRIN BYER

**Vehicle**

- **Model:**/out
- **Color:** Green (GRN)
- **Type:** Utility Trailer
- **Fuel Type:** Gasoline

**Registration**

- **Plate Number:** 012AAA
- **Sticker Number:** U0800045

**Owner(s)**

- **Name:** Scott William Byer
  - Minnesota ID: 8123081034261
  - Date of Birth: 01/14/1966

- **Name:** Sarah Brin Byer
  - Minnesota ID: 812340579867
  - Date of Birth: 12/31/1963

**Address(es)**

- **Residence:** 455 Carlton St
  - St Paul, MN 55106
  - United States of America (USA)

**Insurance**

- **Company Name:** State Farm Insurance
- **Policy Number:** 371012
- **Expiration Date:** 12/12/2016

**Liens**

- **Entity Name:** 1049 Fargo St
  - Address: 8th Street and Marquette Avenue
  - Minneapolis, MN 55404
  - United States of America (USA)

**Signature:**

- **Date:**
- **Date:**
- **Date:**

- **All Purchasers/Owners Must Sign:**
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
Audit

Overall Project Health

Reporting period, Aug 27 – Nov. 25, 2016

<table>
<thead>
<tr>
<th>Summary Category</th>
<th>MNLARS Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost</td>
<td>Green</td>
</tr>
<tr>
<td>Quality</td>
<td>Green</td>
</tr>
<tr>
<td>Schedule</td>
<td>Green</td>
</tr>
<tr>
<td>Scope</td>
<td>Green</td>
</tr>
<tr>
<td>Staffing</td>
<td>Yellow</td>
</tr>
</tbody>
</table>