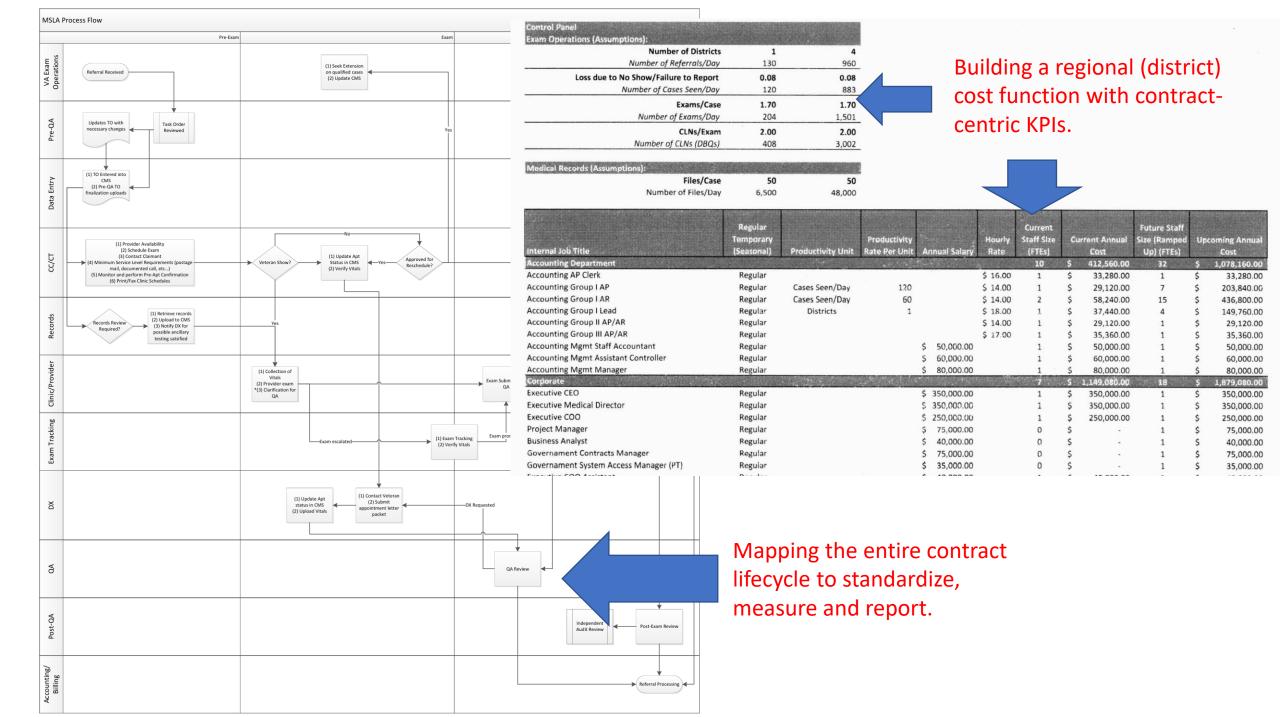
# Veterans Affairs Vehicle Contract Contributions

- Optimization of business dynamics
  - Business capture, standardization, reporting and forecasting
- Digital transformation
- Growth opportunities

Samples of my work provided in next few slides





#### Submitted to the U.S. Department of Veterans Affairs Solicitation #: VA119A-15-R-0150 Submitted 11/04/2015 by Medical Support Los Angeles, A Medical Corporation

## VOLUME I—TECHNICAL APPROACH, DISTRICT 1 (NORTH ATLANTIC)

#### **ORIGINAL**

Includes Amendements 1, 2, 3, 4 Valid for 180 Days

Submitted to:

Submitted by:





Blocking GOV contacts

Medical Support Los Angeles, A Medical Corporation

Michael Lambert, CEO

Hamid Hejazifar, Technical Program Administrator

DUNS 133304415/TIN: 954708497

1294 E. Colorado Blvd.

Pasadena, California

(626)440-7001 x7009

Web: http://mslaca.com/

Email: m.lambert@mslaca.com

#### RESTRICTION ON DISCLOSURE AND USE OF DATA

This proposal or quotation is submitted in accordance with Federal Acquisition Regulation 52.215-12, Restriction on Disclosure and Use of Data. It includes data that shall not be duplicated, used or disclosed — in whole or in part — for any purpose other than to evaluate this proposal or quotation. If, however, a contract is awarded to the Offeror or quoter as a result of — or in connection with, the submission of this data, the Government shall have the right to duplicate, use or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets so annotated by referencing this page.



#### Solicitation #: VA119A-15-R-0150 | Submitted: 11/04/2015

Medical Disability Examinations (MDEs) under Section 504 of the Veterans' Benefits Improvements Act of 1996 (Public Law 104–275; 38 U.S.C. 5101)

#### Technical Approach Table of Contents

Executive Summary
1) Understanding the Work
Understanding of VA Goals and PWS Objectives The MSLA Case Management System
Specific Tasks and Planned Execution
Task 1—Project Management Plan
Extensive Government Communication under Performance-Based Methodology
Task 2—Training Program
Task 3—Examination Reports
Task 4—Status Reports
Task 5—ADA and OSHA Compliance
Task 6—Deliverables
2) Anticipated Potential Problem Areas 1
Solutions to Potential Problems
Future Integration of New Processes
3) Management Plan
Management Structure
QAP
MSLA's Standard Operating Procedures
Successful Quality Management
Resources
4) Key Personnel Resources
5) IT System Capabilities Narrative

Co-authored the technical survey of our RFP response. VA rated this effort "excellent". Our firm won this bid, estimated at US\$1.6bn (IDIQ/FFP).

Medical Support Los Angeles, A Medical Corporation

Volume I—Technical Approach



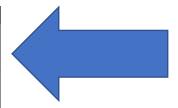
#### Solicitation #: VA119A-15-R-0150 | Submitted: 11/04/2015

Volume I-Technical Approach

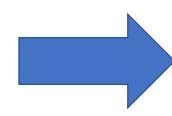
Medical Disability Examinations (MDEs) under Section 504 of the Veterans Benefits Improvements Act of 1996 (Public Law 104-275; 38 U.S.C. 5101)

#### Table 4—MSLA Examination Order Process and Identification of Potential Problems

Tuble 4	-MSLA Laumination Order Trocess and Ident	Potential Problem with Process Step &
	Routine Processing of Examination Order	Resolution
Day 1: Receive examination order	Examination order details from VA uploaded in CMS     CMS sends notice to MSLA Medical Professional (MP) that new case is received	Order is illegible:  Urgent communication sent to VA POC through CMS requesting clarification or resend CMS Milestone set at 24 hours for VA response Response received—move to routine processing
Day 1-2: Schedule case, send appointment letter (Veteran must receive appointment letter no later than 5 days before the examination)	CMS activates the scheduling function at the time the examination order is entered  MSLA CC selects from Provider list auto-generated by CMS  CC contacts Providers office to verify details of CMS generated appointment. If Provider has no availability, CC moves down the list of Providers until an appointment can be made  CMS automatically generates appointment letter by exam type and Provider: type of appointment, date/time of appointment, map indicating facility location with door-to-door directions, MSLA contact information, and what to expect at examination  Appointment letters are mailed in envelopes clearly marked  "C&P Examination Information Enclosed"  MSLA fulfillment team logs date/time of mailing in CMS  CMS posts appointment letter to its VA POC web-based portal  CMS sends C-File expected notification to VA POC if not already received or made available via VBMS.	No Provider located within 50 mi. drive (general medical)/100 mi. drive (audio/MH/qpto/etc.) from Servicemember/Veteran's address/no Provider is available:  • CMS automatically generates communication and a rationale to the VA POC requesting approval of the extended drive distance  • CMS generates an issue notifications and sends them to the Quality Assurance Specialist (QAS) and Provider Development Team (PDT) leader dashboards for action  • Resolution requires a reason – is it a sparsely populated area with few Providers needed or is a recruiting push required to fill the gap?  • Resolution satisfies issue and is recorded in CMS—proceed to routine processing
Day 1- 2: Verify examination order quality	Pre-QA Team reviews claims/established conditions on exam order and compares to DBQ/Worksheets order to:     Verify correct exam was ordered     Identify possible diagnostic testing and flags C-File/E-File search and case for Provider review.	Order is incorrect:  MP sends urgent communication through CMS to VA POC dashboard requesting clarification and/or correction to exams  CMS flags issue as high-severity requiring 24-hour resolution  Clarification received; Pre-QA Team Lead verifies clarification and adjusts case where necessary. Changes create notification to CCs if changes affect current scheduling.  CMS and case file is updated; issue resolved
Day 5-8: Receipt of Claims Folder (C- File/Electronic) within 4 business days of exam request	Cases requiring C-File review are marked in CMS at time of order entry Electronic VBMS review moves directly to processing while Hard Copy C-File review is a conditional state, satisfied upon receipt of physical records and moved to processing Medical records set in CMS based on first date of exam C-File expectation notice sent to VA POC/MSLA CC & Records Technician dashboards if receipt deadline is approaching CMS automatically marks VBMS records as received on obtaining records; CMS automatically notifies VAPOC and MSLA staff that C-File was received Upon receipt, Hard copy C-Files are logged and scanned to CMS; made available to our examiners. Examiners have read-only rights through CMS. CMS does not allow users to download medical records. Searchable (OCR) sections, appropriate to each exam, are indexed and available for review.	C-File not received:  Medical Records Manager notifies VARO (four days prior to scheduled appointment) that C-File is missing Coordinates with CC, MSLA Medical Report Review Team and QAS  Exam request may be cancelled if C-File not received within 5 days Once C-File is received, routine processing begins
	Routine Processing of Examination Order	Problem Identified with Examination Order
Day 7–10: Appointment cancellation (48 hts.prior to exam)	If Provider/VA/Veteran/Servicemember cancels appointment or if Provider/Veteran/Servicemember cancels due to emergency, MSLA CC contacts Veteran/Servicemember to reschedule appointment. CMS restricts reschedules to one per exam type, with additional reschedule requests only authorized by VA POC.     Reschedules/Cancellations tracked—monthly/quarterly reporting     Reason for cancellation is entered in CMS	Multiple cancellations by a Provider: Three or more cancellations by Provider generates an issue notification in CMS MSLA Provider Team Leader communicates with Provider to determine action plan and resolve issue
Day 8-11: Provide appointment reminder to Veteran	To minimize no-shows, CMS notifies MSLA CC to confirm appointment with Veteran CMS requires an entry made that Veteran contact was made no less than 48 hrs before appt date Secured email automatically generated by CMS Phone call is entered in CMS as direct contact made Outcome of the appointment confirmation is recorded in CMS	Indirect contact made by phone:  CMS documents who received reminder phone call  Spouse/other person  Left message  CMS sets reminder for a follow-up call



Sample addressing process concerns.



Sample addressing performance requirements and quality targets.



Solicitation #: VA119A-15-R-0150 | Submitted: 11/04/2015

Medical Disability Examinations (MDEs) under Section 504 of the Veterans' Benefits Improvements Act of 1996 (Public Law 104-275: 38 U.S.C. 5101)

continuously analyze errors and insufficient or incomplete responses in individual report sections. By evaluating patterning in the DBQ completion process across Providers and QA personnel, MSLA has the ability to modify guidelines and instructions, which best meet VA expectations, to achieve the most optimum results.

The VA's Performance Requirement Summary is the crux of MSLA's QAP. MSLA acknowledges the critical indicators and associated metrics necessary to control performance and predict the future status of processes used on this contract. The MSLA team will use the metrics provided by VA to help determine when and where a problem is occurring and what type of impact it has or will have on performance. The metrics will be the basis for decisions concerning the implementation of best practices that will ensure quality and reliability in the execution of this program.

Table 7—VA Performance Requirement Summary (PRS)

Areas	Unsatisfactory Performance Standard	Expected Standard of Exceptional Performance Performance Standard		MSLA's Performance Standards	
Timeliness  Greater than 20 calendar days (for DBQ/C&P Exams, other thar OCONUS or for Incarcerated Veterans)		20 calendar days (for DBQ/C&P Exams, other than OCONUS or for Incarcerated Veterans)	Less than 20 calendar days (for DBQ/C&P Exams, other than OCONUS or for Incarcerated Veterans)	Maintain current performance of 18 average processing days.	
	Greater than 30 calendar days (for BDD, IDES, OCONUS Exams or for Incarcerated Veterans)	30 calendar days (for BDD, IDES, OCONUS Exams or for Incarcerated Veterans)	Less than 30 calendar days (for BDD, IDES, OCONUS Exams or for Incarcerated Veterans)	Maintain current performance of 18 average processing days.	
Quality Review	90% or less	92%	94% or greater	98% or greater, maintaining 2% or lower error rate.	

MSLA has a documented track record of exceeding the quality requirements required by previous and current VA contracts. As an example, on our DEM contract, we realize an average delivery time of 18 days, while the contract requirement is 26 days. This has been achieved while maintaining a 97% sufficient and adequate exam rate. A second example is on MSLA's Social Security Administration contract, where we processed more than 4,000 mental health and physical disability exams per month. Our YTD performance metrics for this customer include 97% of medical reports submitted within 10 days from the appointment date, with a 99% sufficient and adequate exam rate.

While the Government's PRS serves as the baseline of our QAP, MSLA also identifies the following quality targets for the VBA MDE program, shown in Table 8.

Table 8—MSLA Quality Targets for MDE Program

MSLA Objective	MSLA Performance Threshold	MSLA Control
Appointment Wait Times	MSLA reduces the wait time for appointments. 95% of Veterans/Servicemembers seen within 20 minutes of scheduled appointment time, exceeding the 1-hour wait time window per VBA	CMS
Scheduling	95% of exams scheduled within 3 days of authorization receipt, exceeding the 5-day requirement	CMS
Report Reliability	98% of examination reports deemed sufficient	CMS; quality
Staff Qualifications	100% of records pulled indicate active unrestricted license to practice, credentialing standards for VA and training curriculum records current	CMS
Diagnostic Testing	100% of diagnostic tests shall be deemed appropriate	CMS; audit
Communication of Test Results	100% of test results communicated to Veteran/servicemember. Abnormal/critical—immediately; Abnormal/not critical—48 hours.	CMS

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Volume I—Technical Approach

Source Selection Information - See FAR 2.101 and 3.104.

Sample identifying process critical stages.

# Exam Intake •Data Exchange Data Validation **Case Review**

#### **Case Generation**

- Automated Processes Perimeter Security
  - •Data Entry
  - Notifications



#### **Pre-Scheduling &** Medical Records

- Case Staging
- •DBQ/Ancillary Records
- •Diagnostic Pre-Orders



#### Scheduling

- •General Medical
- Specialty
- Ancillary



- Provider Exchange
- Ancillary Follow-up
- Post-Exam Ancillary



#### Post-Appt

- Appt Follow-up
- Veteran Surveys
- •Travel Reimbursement



#### Exam

- Appt Show or FTA
- •Case Summaries
- Appt Rescheduling



#### Pre-Appt

- Case Readiness
- Appt Confirmations
- Case Setting





#### **Report Process &** Submittal

- •Report Compiling
- •Report Staging
- •Report Submittal



#### **Report Returns**

- Return Review
- Provider Exchange
- Report Processing



#### Task Order Closure, Billing & Archive

- Finalization
- Archiving
- Billing

Reporting, Dashboards & Portals

#### 2020AUG24 - HRH:ICA-20-054 (460) - Workflow Concept

## Challenges

#### Exam Intake

- Logical Security
- IS Continuity



#### Case Generation

• Linear vs. Parallel Operations



## Pre-Scheduling & Medical Records

Ancillary for Diagnosis



#### Scheduling

- Provider Network/Availability
- Distance Requirements



#### Case Review

- Ancillary for Diagnosis
- Provider Availability for Response



#### Post-Appt

• Surveys/Reimbursement



#### Exam

- Fail to Appear (FTA)
- Rescheduling Responsiveness



#### Pre-Appt

• Medical Records before Exam



## Report Process & Submittal

• Satisfy All Exam Requirements



#### **Report Returns**

 Provider Availability for Response



#### Task Order Closure, Billing & Archive

• Incentives/Disincentives Tracking Reporting,
Dashboards &
Portals

Sample identifying process challenges.

## Provider Network + Provider Availability = Reports Outbound

Contract Segments		Segment Challenge		
1. Provider Network	Recruiting	Credentialing	Training	Fee Schedule
2. Exam Intake	Perimeter Security	Data Exchange	Data Validation	Logical Security
3. Case Generation	Automated Processes	Data Entry	Notifications	Parallel Operations
4. Pre-Scheduling/Medical Records	Case Staging	DBQ/Ancillary Records	Diagnostic Pre-Orders	Ancillary Must Have Justification
5. Scheduling	General Medical	Specialty	Ancillary	Provider Network
6. Pre-Appt	Case Preparation	<b>Appt Confirmations</b>	Case Setting	Medical Records Before Exam
7. Examination	Appt Show/FTA	Case Summaries	Appt Rescheduling	Failure To Appear (FTA)
8. Post-Appt	Appt Follow-up	Veteran Surveys	<b>Travel Reimbursements</b>	Surveys/Reimbursements
9. Case Review	Provider Exchange	Ancillary Follow-up	Post-Exam Ancillary	Ancillary Required For Diagnosis
10. Report Processing	Report Compiling	Report Staging	Report Submittal	Task Order Requests
11. Report Returns	Return Review	Provider Exchange	Report Processing	Provider Response
12. Task Order Closure	Finalization/Archiving	Billing	Reporting	Retention/Accuracy

## Strength of Performance

Timeliness

Sample summary of process segments, challenges and contract goals.

## **Providers**

- Interactive DBQs
- Indexed Medical Records
- Ancillary Reports
- Chat with QA
- Medical Records Locator Services
- Add'l Exam
   Requests

### Veterans

- Portal Registration
- Notifications
- Exam Details
- Exam Input (e.g., Medical Histories)
- Reimbursement
- Maps

## Staff

- Customized by Operational Needs
- Timeliness
   Priority Mgmt.
- Alerts & Escalations

User Interfaces

### VA

- Portal Pre-Registration
- Program Analytics
- Alerts & Escalation Request Services

## Mgmt. & Reporting

- Timeliness & Volume Flow Mgmt.
- Program Analytics
- Active Operational Costing
- Notification Monitoring

User Interfaces

## **Court Contributions**

- Optimization of business dynamics
  - Business capture, standardization, reporting and forecasting
- Digital strategy shift
- Quality Management program build

Samples of my work provided in next few slides

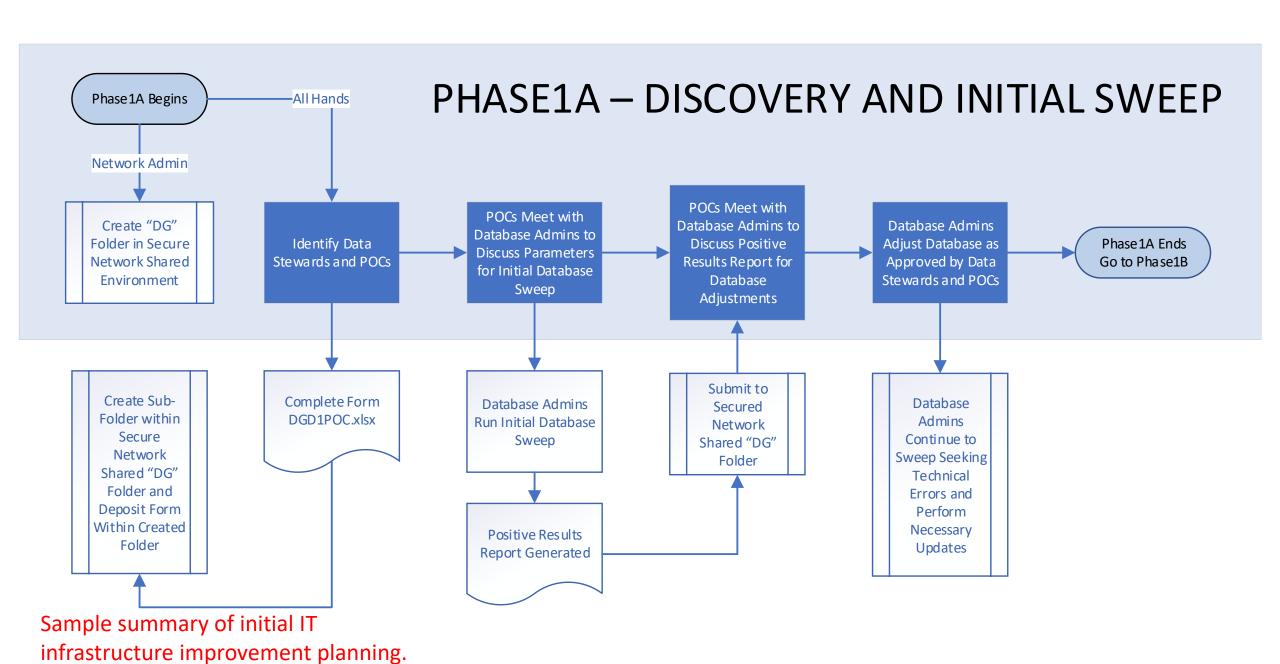
## Resolving Identified Data Integrity Discoveries

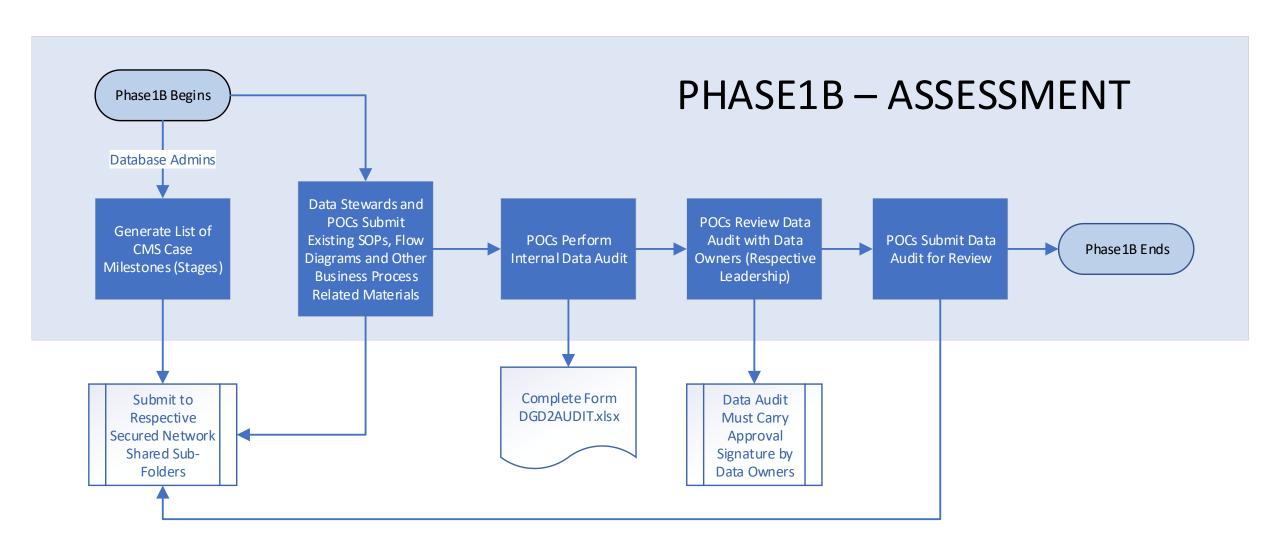
- Key concern from the Governance Committee: Accuracy of data
- Some identified sources
  - Outdated Servers and Server Hang-ups (loss of information)

Phase1 Updates

- Inaccurate Data Entered/Translated Phase2 Validation Checkpoints & Relational Segments
  - Address, Warrant, State Reporting, Collections, Financial Mgmt., Attorney, Officer, Driver's License, Bond Forfeiture, Document Management, Identity Information
- Knowledge Gap Phase2 Training Standardization
- Unsettled Events (actions performed without case updates/migration)
- Cases Outside Workflow
- Negative Balances and Payment Distribution Errors

Phase2 Validation Checkpoints & Error Handling





Sample summary of initial IT infrastructure improvement planning.

## Data Assessment

- Who is involved in data creation/updating (accountability)?
- When is data generated/updated (process triggering)?
- How is data generated/updated (quality parameters)?
- What data is generated/updated (collection)?
- What data should not be modified (duplication)?
- What are the minimum data criteria (validation)?
- Where is the data going (communication)?
  - Where (Who) are the originating/sourcing departments (also describe external sources/targets)?
  - Where is the physical data transferred and stored (also describe external sources/targets)?
- Why is the data necessary (justification)?
- How long is the data needed (archiving)?

Sample summary of initial IT infrastructure improvement planning.

## WARRANT FORGIVENESS AND COURT IN THE COMMUNITY

Addressing Inequities?

Two-year research study examining court case mgmt. data to address concerns raised by City Council on defendant demographics and other variables.

## ND TV

#### Contents

3	ection 1: Introduction	
	Introduction	
	Background	. 1
	Problem Statement	. 1
	Purpose of the Study	. 1
	Research Questions and Hypotheses	. 1
	Theoretical Framework	. 1
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	Variables	. 2
	Terms	. 2
	Assumptions	. 2
	Limitations, Delimitations, and Scope	. 2
	Significance	. 2
	Summary	. 2
3	ection 2: Literature Review	. 2
	Introduction	. 2
	Literature Search Strategy	. 2
	Theoretical Framework	. 2
	Symbolic Learning, Vicarious Learning, and Social Cognitive Learning	. 3
	Pain vs. Pleasure Principles and Operant Conditioning	. 3
	Key Variables and Concepts	. 3
	Age of Cases (External)	. 3
	Amount Owed (External)	. 3
	Issuance of a Warrant (External)	. 3
	Number of Case (External)	. 3
	Number of Payments (External)	. 3
	Age, Gender, and Race (Internal)	. 3
	Implications of Past Research on Present Research	. 3
	Literature Polating to Differing Methodologies	2

Swift, Philip Ph.D. & Hejazifar, Hamid Philip.swift@fortworthtexas.gov & hamid.hejazifar@fortworthtexas.gov

```
Call:
glm(formula = compliance ~ defAge + defGender + defRace + numCases +
    caseAgeYrs + owed + numPymts + pymtAgeYrs + wrntActive, family = "binomial".
    data = tpp1Analysis)
Deviance Residuals:
             10 Median
                                    3.3555
 -3.5741 -0.4047 -0.0001
                           0.5100
Coefficients:
             Estimate Std. Error z value Pr(>|z|)
(Intercept) 1.156e+00 1.039e+00
                                   1.113
            9.709e-03 5.833e-03
defGenderM
            1.844e-01
                      1.269e-01
defRaceB
            -1.916e-01
                       1.010e+00
                                  -0.190
defRaceH
            2.965e-01
                      1.491e+00
                                   0.199
                                          0.84240
defRaceN
                      3.322e+00
                                   0.575
                                         0.56548
defRace0
            7.325e-02 1.048e+00
                                          0.94430
                                   0.070
defRaceW
             4.336e-01
numCases
                                   2.735
                      2.754e-02 -6.758
caseAgeYrs
            -3.453e-03 2.576e-04 -13.406
            1.768e-01
                      1.247e-02 14.175
pvmtAgeYrs -5.703e-03 3.881e-02 -0.147 0.88320
wrntActive -1.784e+01 2.966e+02 -0.060 0.95204
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
(Dispersion parameter for binomial family taken to be 1)
    Null deviance: 3034.7 on 2537 degrees of freedom
Residual deviance: 1526.4 on 2524 degrees of freedom
AIC: 1554.4
Number of Fisher Scoring iterations: 18
  PseudoR2(tppLR9unres, c("McFadden", "Nagel"))
  McFadden Nagelkerke
 0.4970241 0.6423550
```

There's some confidence generated in the above result. Notice the deviance residuals are centered around the median of near zero with approximately symmetrical distribution on both sides. Although logistic regressions do not endorse any specific R-squared (R2) calculation, this study used McFadden and Nagelkerke, where the latter is an adjusted version of Cox & Snell – both popular methods to estimate the OLS R2. The McFadden resulted in ~0.5 and Nagelkerke was 0.64, loosely interpreted as 50%/64% of the variance is explained in the model.

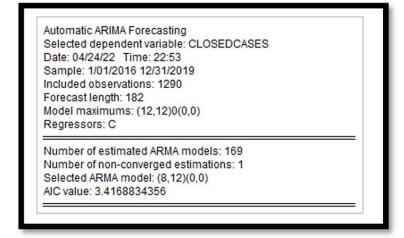
#### Conclusion

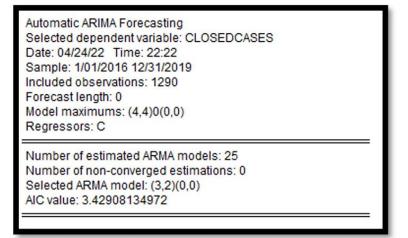
A logistic regression allowed us to examine a dichotomous outcome data set to identify statistical significance between the number of cases, age of cases, amounts owed and number of payments, meaning a unit increase in any of these variables would lead to statistically significant log odds changes in compliance. We also observed joint statistical significance in the demographic data, length of payment period, and warrant activity. The data suggests potential economic clues for the individually significant variables. For example, although the data suggests each unit increase in defendant cases increases the log odds of compliance (i.e., as you increase the number of cases, the log odds of compliance increases – somewhat counterintuitive), the age of case and amounts owed reduce the log odds of compliance, with a stronger statistical significance of pV < 0.1%. This information carries value because it suggests we should perform a second examination using geolocation to include average income per zip code in the model and further understand potential differences between income levels. It's possible this information may lead towards identifying optimized payment plans and periods that would help defendants improve compliance. Understanding the link between jointly significant variables in defendant demographics, payment period length and warrant activity may also provide clues with deeper analysis.



Figure 5: ARIMA(12,0,12) Model Forecast Figure 6: ARIMA(4,0,4) Model Forecast

Figure 3: Correlogram of Cases Closed





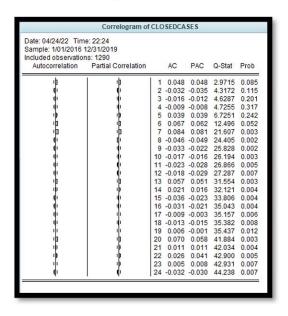


Figure 7: VAR(2) Model Estimation

Vec	tor Autoregre	ssion Estimates	
Vector Autoregression Esti Date: 04/24/22 Time: 22:3 Sample (adjusted): 1/03/20 Included observations: 128 Standard errors in ( ) & t-str	0 016 12/31/2019 88 after adjustr		
8	CLOSEDCA	PYMTPLANORDERED	
CLOSEDCASES(-1)	0.013005 (0.03233) [0.40220]	-0.132267 (0.16149) [-0.81902]	
CLOSEDCASES(-2)	-0.010928 (0.03234) [-0.33794]	(0.16151)	
PYMTPLANORDERED(-1)	0.015220 (0.00648) [2.34793]		
PYMTPLANORDERED(-2)	-0.009801 (0.00649) [-1.50957]		
С	0.868931 (0.05535) [15.7000]	4.320828 (0.27642) [15.6311]	

Figure 8: Granger Causality Test for VAR(2)

VAR Granger Causality/Block Exogeneity Wald Tests Date: 04/24/22 Time: 22:33 Sample: 1/01/2016 12/31/2019 Included observations: 1288								
Dependent variable: CLOSEDCASES								
Excluded Chi-sq df Prob.								
PYMTPLANORDERED	7.183158	2	0.0276					
All 7.183158 2 0.0276								
Dependent variable: PYMTPLANORDERED								
Excluded Chi-sq df Prob.								
CLOSEDCASES 0.746862 2 0.6884								
All 0.746862 2 0.6884								

ARIMA/VAR studies examining various court case mgmt. data impacting the closing of a case.

Table 16 Prediction Model and Payment Estimator

	Intercept	1.156	Asian	Black	Hispanic	Native Am.	Other	White
37.41	defAge	0.0097 09						
1	defGen*	0.1844						
0.4202 91667	defRace		0	- 0.19 16	0.2965	1.91	0.073 25	0.433 6
5.145	numCases	0.1357						
5.608	caseAgeYrs	- 0.1861						
2500	owed	0.0034 53						
56	numPymts	0.1768						
4.6296 2963	pymtAgeYrs	0.0057 03						
0	wrntActive	-17.84						
95.0%	P(MODEL)					monthly payment:		\$ 45.00

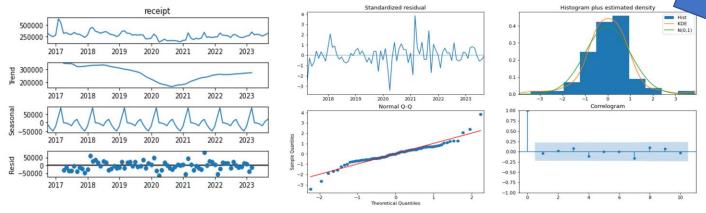
*Note:* 1=Male 0 = Female

Created the court's first "Judge's Calculator and Payment Estimator" helping to forecast monthly payment completion probabilities based on each defendant's unique case characteristics.

## Request 1: FY24 Forecast (SARIMA model)

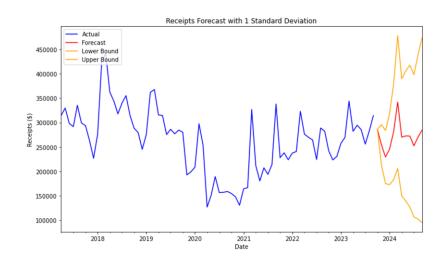
Upward trend post-COVID with seasonality evidenced and residuals/Q-Q centered around zero/mean, respectively

Normal distribution and Correlogram shows no non-zero lag



Request 1: FY24 Forecast (SARIMA model)

• FY24 Forecast: \$3,259,834.11



SARIMA and Neural Network budget forecasting.

Both models met new backtesting requirements to be within 3% of actuals.

# Request 1: FY24 Forecast (Neural Network model)

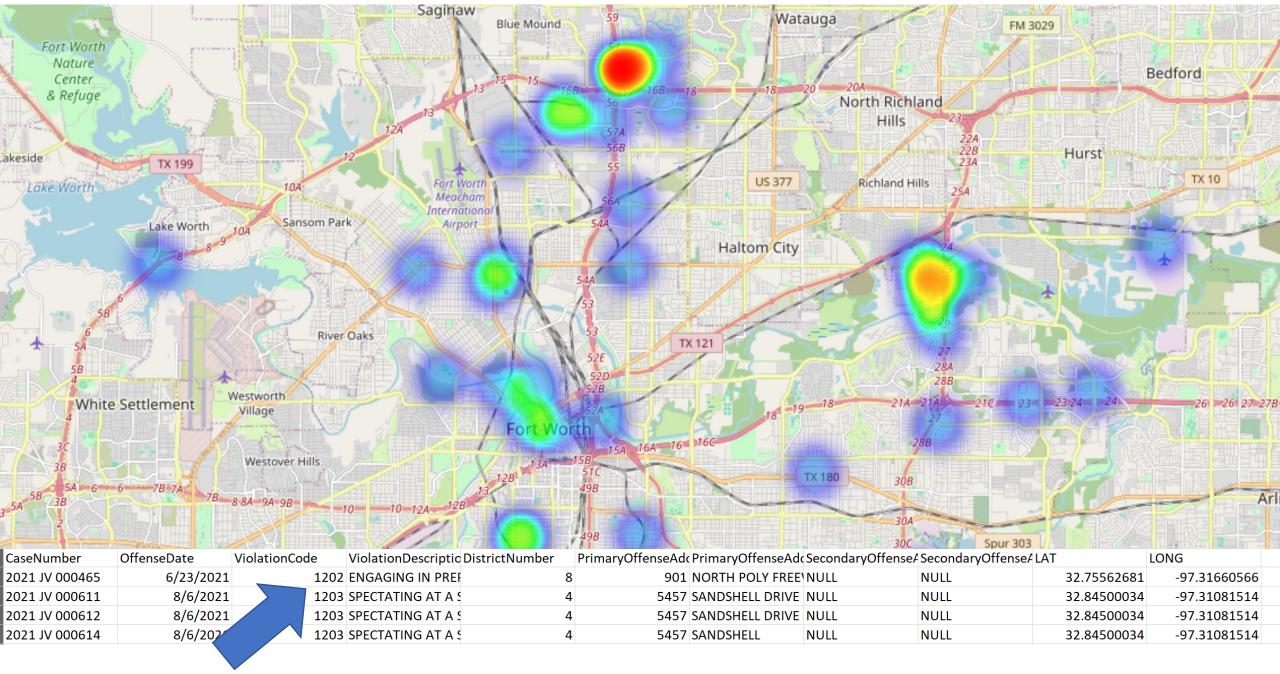
 Lookback refers to how many previous data points considered when making a prediction (longer lookback provides more historical context, while a shorter focuses on more recent trends)

#### • Forecasts for FY24:

Lookback 3 months: \$3,764,345.99
Lookback 12 months: \$3,413,888.82
Lookback 21 months: \$3,073,844.64

• Average of 3/12/21 lookbacks: \$3,417,359.82

Average of 12/21 lookbacks: \$3,243,866.73



Utilized City of Fort Worth PD data and machine learning to forecast future speeding hotspots within the city.