

2021-2022

Comprehensive Election Audit Report



Office of the Secretary of State
Elections Division
P.O. Box 12060
Austin, Texas 78711
1.800.252.VOTE (8683)
www.sos.texas.gov



Table of Contents

EXECUTIVE SUMMARY	I
OVERVIEW	I
<i>Comprehensive Findings</i>	<i>i</i>
NOTABLE FINDINGS	I
<i>Training for Election Judges and Clerks was Inadequate.....</i>	<i>i</i>
<i>Equipment and Supply Issues Led to Gaps in Voting in Multiple Elections</i>	<i>ii</i>
<i>Repeated Issues Across Elections Demonstrates Administrative Inadequacies.....</i>	<i>iii</i>
<i>Data Inconsistencies Across Different Platforms</i>	<i>iii</i>
<i>List Maintenance Activities.....</i>	<i>iii</i>
CHANGES TO HARRIS COUNTY ELECTION ADMINISTRATION	IV
CONCLUSION	IV
COUNTY OVERVIEW	1
HARRIS COUNTY	1
HARRIS COUNTY ELECTIONS	2
PRIMARY ELECTION ADMINISTRATION	6
ELECTION SYSTEMS.....	6
<i>Voting Systems</i>	<i>7</i>
<i>Electronic Pollbook.....</i>	<i>8</i>
STATE INSPECTOR REPORTS.....	8
COMPLAINTS	9
VOTER REGISTRATION	11
FINDINGS.....	11
VOTER REGISTRATION SYSTEM	11
<i>System Synchronization</i>	<i>11</i>
<i>Disparities Across Reporting Systems</i>	<i>13</i>
ACCURACY OF VOTER REGISTRATION LIST.....	14
<i>Ineligibility Due to Death</i>	<i>14</i>
<i>Ineligibility due to Felony Conviction</i>	<i>15</i>
<i>Ineligibility due to Non-U.S. Citizenship.....</i>	<i>16</i>
<i>Duplicate Registration Records.....</i>	<i>16</i>
<i>Residency.....</i>	<i>17</i>
VOTERS FOUND TO BE REGISTERED AT COMMERCIAL MAILBOX LOCATIONS.....	18
VOLUNTEER DEPUTY REGISTRARS	19
ELECTION SECURITY	20
FINDINGS.....	20
POLICIES & PROCEDURES.....	20
CYBERSECURITY & INFRASTRUCTURE	20
CONTINGENCY PLANNING	21
PHYSICAL SECURITY	22
<i>Access to General Offices.....</i>	<i>22</i>
<i>Voting Equipment and Media.....</i>	<i>22</i>
<i>Records Management.....</i>	<i>23</i>

<i>Personnel</i>	23
TRAINING ELECTION WORKERS	24
FINDINGS	24
TRAINING	24
INSTRUCTIONAL MATERIALS	25
ELECTION WORKERS	26
EQUIPMENT & SUPPLIES	28
FINDINGS	28
SUPPLY & EQUIPMENT DISTRIBUTION PROCESS	28
SUPPLY & EQUIPMENT ALLOCATION	29
SUPPLIES & EQUIPMENT ISSUES	29
VOTING SYSTEM EQUIPMENT ISSUES	30
<i>Ballots Placed in the Emergency Slot</i>	34
<i>Improper Equipment Assembly</i>	35
BALLOT PAPER SUPPLY ISSUES	35
<i>Spoiled Ballots</i>	36
<i>Reallocation or Supplemental Distribution</i>	37
IMPACT OF ISSUES ON VOTING	37
CHAIN OF CUSTODY	42
FINDINGS	42
OVERVIEW	42
METHODOLOGY	42
1. <i>Pre-Election Testing</i>	43
2. <i>Distribution of Equipment and Supplies</i>	45
3. <i>Opening the Polls</i>	48
4. <i>Securing the Polls</i>	50
5. <i>Closing the Polls</i>	51
6. <i>Return of Voting Equipment and Supplies</i>	53
VOTING BY MAIL	54
FINDINGS	54
APPLICATIONS FOR BALLOT BY MAIL	54
<i>Accepted vs. Rejected Applications</i>	55
<i>Reasons for Voting by Mail</i>	56
BALLOTS BY MAIL	57
<i>Ballots Received</i>	57
<i>Returned Undeliverable Mail Ballots</i>	57
<i>Surrendered and Cancelled Mail Ballots</i>	58
SIGNATURE VERIFICATION COMMITTEE (SVC)	58
ACCEPTED BALLOTS BY MAIL	61
REJECTED BALLOTS BY MAIL	61
DELIVERY OF MAIL BALLOTS TO CENTRAL COUNTING STATION	62
VOTING IN PERSON	63
FINDINGS	63

OVERVIEW	63
POLLING LOCATIONS	64
<i>Early Voting</i>	64
<i>Election Day</i>	65
ADDITIONAL NOTICE REQUIREMENTS	65
<i>Notice of Change of Polling Place Location</i>	65
OATHS OF ASSISTANCE	66
REASONABLE IMPEDIMENT DECLARATIONS	67
STATEMENTS OF RESIDENCE	68
LIMITED BALLOTS	68
PROVISIONAL BALLOTS	70
ELECTION RESULTS	71
FINDINGS	71
CENTRAL COUNTING STATION COMPLIANCE	71
<i>Notice Requirements</i>	71
<i>Central Counting Station Plan</i>	72
<i>Livestreaming Requirements</i>	72
<i>Testing of Tabulation Equipment</i>	73
UNOFFICIAL RESULTS	74
RECONCILIATION	76
FINDINGS	76
PRELIMINARY RECONCILIATION	76
FINAL RECONCILIATION	77
VOTES CAST VS. VOTES COUNTED	78
DISCREPANCIES	80
<i>March 1, 2022 Primary Election</i>	80
<i>November 8, 2022 General Election</i>	81
POST-ELECTION REPORTING	83
FINDINGS	83
PARTIAL MANUAL COUNT	83
CANVASS	85
PRECINCT BY PRECINCT REPORT	86
VOTING HISTORY REPORT	86
<i>Additional Vote History Reporting</i>	86
VOTING PARTICIPATION REVIEW	87
CONCLUSION	88
<i>Training for Election Judges and Clerks was Inadequate</i>	88
EQUIPMENT AND SUPPLY ISSUES LED TO GAPS IN VOTING IN MULTIPLE ELECTIONS	88
DATA INCONSISTENCIES ACROSS DIFFERENT PLATFORMS	88
LOCAL ENTITY ELECTIONS	90
FINDINGS	90
<i>Overview</i>	90
<i>Policies & Procedures</i>	91

<i>Election Worker Training</i>	92
<i>Ballot Preparation</i>	93
<i>Inventory of Equipment & Supplies</i>	94
<i>Voting Equipment</i>	95
<i>Ballot by Mail</i>	96
<i>Voting in Person</i>	97
<i>Post-Election Audit</i>	99

EXECUTIVE SUMMARY

Overview

In 2021, the Texas Legislature enacted [Senate Bill 1](#) (87th Leg., 2nd Called Special Session), which included a provision requiring the Office of the Secretary of State to conduct audits in four randomly selected counties. [Section 127.351](#) of the Texas Election Code provides that the Secretary of State shall conduct an audit of the elections held in the preceding two years after the most recent November uniform election occurring in an even-numbered year. On July 28, 2022, the Secretary of State conducted a drawing to determine which counties would be audited for the 2021-2022 election period. In this drawing, Harris County, along with Cameron, Eastland, and Guadalupe counties, was selected as one of the counties to be audited in the 2021-2022 election cycle.

Comprehensive Findings

The audit of all elections conducted for the 2021-2022 election period revealed, as cited in this report, both election-specific concerns and broader patterns within the administration of elections in Harris County.

Notable Findings

Training for Election Judges and Clerks was Inadequate

Harris County did not adequately train election workers on the operational and set-up requirements of their paper-based voting system. Harris County transitioned from a Direct Recording Electronic (DRE) voting system to a voter verifiable paper-based system prior to the May 2021 Election. During this time, the training for Harris County election judges and clerks was divided into two parts. The first part covered general procedures and responsibilities. The second part of the training included a hands-on opportunity to learn how to set up voting equipment and how to accurately complete polling location forms, in-depth video presentations related to the polling location equipment, curbside voting, and closing procedures for the polling location. The hands-on portion of the training was not mandatory even though the county had transitioned to new voting system equipment. Failure to require this training for all election workers meant that not all workers were familiar with the use and operation of the county's voting system equipment.

The lack of direct instruction on the use of this new technology may have impacted the high percentage of equipment malfunctions that first occurred in the November 2, 2021 Constitutional Amendment Election. In fact, during this election, 150 of 718 (21%) polling locations had documented equipment malfunctions. The county did not adequately address these training issues prior to the March 1, 2022 Primary Election. Additionally, the equipment

issues that election workers and voters first experienced in the November 2, 2021 Special Election were compounded with the necessity for a two-page ballot for the March 1, 2022 Primary Election and the November 8, 2022 General Election. Had Harris County evaluated the issues that first occurred in the November 2, 2021 Special Election and were exacerbated with a two-page ballot in the March 1, 2022 Primary Election, they would have identified a clear pattern of issues related to equipment use that could have been addressed with more hands-on training and detailed training materials including troubleshooting guidance. These enhanced measures could have prevented the same issues from occurring for the November 8, 2022 General Election. The failure of Harris County to remediate their training deficiencies led to systemic equipment malfunctions that directly impacted Harris County voters in multiple elections.

Equipment and Supply Issues Led to Gaps in Voting in Multiple Elections

As reported in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#),¹ Harris County failed to supply appropriate amounts of ballot paper to numerous polling locations for the November 8, 2022 General Election. This failure was caused by the ineffective methodology used to determine adequate allocations for each site and was compounded by equipment issues and paper jams that led to a large number of spoiled ballots in that election. These issues led to a gap or cessation of voting in multiple election day polling locations. However, this issue was not unique to the November 8, 2022 General Election.

Comprehensive data analysis revealed widespread issues with insufficient training and voting system equipment failures that led to a cessation of voting at multiple locations in multiple elections. By identifying polling locations that had at least one hour of no voter check-in activity and also had a documented request for technical assistance, the analysis revealed a potential impact to voters in all statewide elections conducted during the audit period.

November 2, 2021 Special Election

During the November 2, 2021 Special Election, 26 polling locations were identified as having a gap of one hour or more in voter activity. The associated technical reports for these locations indicated that 23 reported issues were due to equipment malfunctions. Three (3) reports were for missing equipment needed to open the polling location for voting. The issues identified resulted in 17 polling locations reporting the first voter check-in at least an hour after the polls should have opened and 9 of the locations experienced a gap in voting during the day due to equipment issues.

March 1, 2022 Primary Election

The March 1, 2022 Primary Election had 33 locations with identified gaps of one hour or more in the voter check-in process. Of those, based on the corresponding technical tickets, 25 were due to equipment malfunctions, 1 was due to the untimely delivery of needed equipment, and 7 were

¹ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 29, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

requests for missing or additional ballot paper. The issues identified resulted in 19 polling locations receiving the first voter check-in at least one hour or more after the polling location should have opened and 12 locations experiencing a gap in voting during the day.

May 24, 2022 Primary Runoff

Though the May 24, 2022 Primary Runoff had the least number of issues related to equipment and supply, 9 polling locations were identified with a gap in voting of one hour or more and a corresponding technical issue.

Repeated Issues Across Elections Demonstrates Administrative Inadequacies

Persistent equipment issues, untimely delivery of equipment, and diminished ballot supplies impacted the administration of elections in Harris County and directly impacted voting in the elections conducted during the audit period. The failure to consider these ongoing problems led to issues in all major elections in this period. Additionally, the lack of effective administrative oversight by the county led to issues in reporting timely results and providing accurate reconciliation documentation in multiple elections.

Ultimately, Harris County has an obligation to evaluate the success of each election and remediate any identified challenges. When those challenges persist in multiple elections, it is the responsibility of the county to identify the root cause and to provide to their election workers the training, equipment, and support necessary to successfully conduct voting at each polling location.

Data Inconsistencies Across Different Platforms

The statewide voter registration system is the official list of registered voters in an election. However, Harris County maintains a voter registration system that is independent from the statewide voter registration system. Though the two systems should have identical information, discrepancies exist between the county and state voter registration systems. Based on the information obtained from Harris County, the Secretary of State is unable to definitively identify the exact cause of these discrepancies, though it is reflective of the difficulty in aligning the various election systems utilized in Harris County. While the inconsistencies may seem minor in comparison to the total number of registered voters, the inconsistencies make it difficult to validate election data. Harris County has worked to align their voter registration data to the statewide system through the systematic review of individual voter records to ensure accuracy between the two systems.

List Maintenance Activities

Both state and federal law require counties to continuously update their voter registration lists to ensure that only eligible voters are registered to vote in the county in which they reside. During the audit period, Harris County conducted list maintenance activities. Harris County cancelled 45,830 voter registrations following a county review of voters who may have been deceased, 880

voter registrations were cancelled due to felony convictions, and 1,136 voter registrations were cancelled due to non-citizenship. A total of 100,328 voter registrations were cancelled for duplicative registration records or for voters who may have moved to other Texas counties. Harris County should process voter registration applications and record updates in a timely manner. Likewise, the county should prioritize all list maintenance activities to ensure that only eligible voters are able to cast a vote in Harris County.

Changes to Harris County Election Administration

On July 14, 2020, Harris County created the office of the Harris County Elections Administrator and transferred all voter registration duties and election duties to this appointed office, effective November 18, 2020. For all elections reviewed during the 2021-2022 audit period, voter registration and election duties were fulfilled by the office of the Harris County Elections Administrator. As a result of [Senate Bill 1750](#) (88th Leg., Regular Session, effective September 1, 2023), the office of the Elections Administrator was dissolved and voter registration duties were returned to the Tax Assessor-Collector and election duties were returned to the County Clerk. Neither of these offices were responsible for the elections that occurred during the audit period.

Conclusion

This comprehensive report contains findings that reflect numerous issues that occurred during the 2021-2022 audit period. Systemic failures by the Harris County Elections Administrator to properly distribute election supplies, including ballots, train election workers, and maintain the voter roll have contributed to a breakdown in public trust in the Harris County election system. The Harris County Tax Assessor-Collector and Harris County Clerk must restore public confidence in the county's election system, starting with addressing the findings of this audit report.

COUNTY OVERVIEW

Harris County

Harris County, the largest county in Texas and third largest county in the United States, has a population of 4,731,145 residents.² The county encompasses a land area of 1,706.96 square miles and includes 1,692,896 households. The voting age population (VAP) of Harris County, which includes all persons over 18 years of age, is 3,519,971 (74.4%).³

As of November 2022, the county reported 2,568,463 registered voters⁴ eligible to vote in the November 8, 2022 General Election, resulting in a registration rate of 73% of the voting age population. During the audit period, the county saw a 2.6% increase in voter registration.



Figure 1: Harris County

During the audit period, Harris County elections were administered by the Harris County Election Administrator. The elections office consisted of 145 full-time election staff members and was located at 1001 Preston #439 in Houston, Texas.



Figure 2: Election Technology Center

² United States Census Bureau, <https://www.census.gov/quickfacts/fact/table/harriscountytexas,franklincountytexas/POP010220#POP010220>.

³ United States Census Bureau, <https://www.census.gov/quickfacts/fact/table/harriscountytexas,franklincountytexas/POP010220#POP010220>.

⁴ <https://www.sos.state.tx.us/elections/historical/nov2022.shtml>.

Harris County Elections

The Texas Election Code requires the Secretary of State to conduct an audit of the elections held in the preceding two years after the most recent November uniform election occurring in an even-numbered year. The following is a list of all elections conducted in Harris County during 2021-2022.

May 1, 2021 Uniform Election

- City of Humble
- City of Missouri City
- City of Nassau Bay
- City of Pasadena
- City of South Houston
- City of Southside Place
- City of Webster
- City of West University Place
- Lee College District
- Goose Creek CISD
- Humble ISD
- Pasadena ISD
- Harris County Fresh Water Supply District 1A
- Sunbelt Fresh Water Supply District Defined Area 1
- East Lake Houston Management District
- Harris County Municipal Utility District 81
- Harris County Municipal Utility District 82
- Harris County Municipal Utility District 170
- Harris County Municipal Utility District 217
- Northwest Harris County Municipal Utility District 005
- Trail of the Lakes Municipal Utility District
- Cy-Champ Public Utility District
- Harris County Utility District 6
- Timber Lane Utility District
- Harris County Water Control & Improvement District 001
- Harris County Water Control & Improvement District 070

June 15, 2021 Uniform Runoff Election

- City of Pasadena

November 2, 2021 General and Special Election

- Statewide Constitutional Amendment
- City of Baytown
- City of Bellaire
- Missouri City
- Houston Community College District 3
- Houston Community College District 6

- Houston Community College District 8
- Aldine ISD
- Alief ISD
- Cypress-Fairbanks ISD
- Houston ISD Position 1
- Houston ISD Position 5
- Houston ISD Position 6
- Houston ISD Position 7
- Houston ISD Position 9
- Klein ISD
- New Caney ISD
- Tomball ISD
- Harris County Emergency Services District 047
- Harris County Municipal Utility District 202
- Harris County Municipal Utility District 390
- Harris County Municipal Utility District 461
- Harris County Municipal Utility District 547
- Harris County Municipal Utility District 566
- Harris County Municipal Utility District 569
- Harris County Municipal Utility District 578
- Harris-Montgomery Municipal Utility District 386
- Intercontinental Crossing Municipal Utility District
- Lago Bello Municipal Utility District 1A
- North Gate Crossing Municipal Utility District 1
- Rankin Road West Municipal Utility District
- Tattor Road Municipal District
- Fallbrook Utility District
- Mason Creek Utility District
- Prestonwood Forest Utility District
- Sagemeadow Utility District
- Woodlands Township
- Harris County Fresh Water Supply District 001A
- Harris County Water Control and Improvement District Fondren Road 001A

December 11, 2021 General Runoff Election

- City of Bellaire
- Missouri City Council District A
- Houston Community College District 8
- Houston ISD Position 1
- Houston ISD Position 5
- Houston ISD Position 6
- Houston ISD Position 7

January 25, 2022 Special Election

- City of Houston

March 1, 2022 Primary Election

- Republican Primary
- Democratic Primary

May 7, 2022 Uniform and Special Election

- Statewide Constitutional Amendment
- City of Friendswood
- City of Humble
- City of Jersey Village
- City of La Porte
- La Porte Council District 4
- La Porte Council District 5
- City of Nassau Bay
- City of Pearland
- City of Webster
- Houston Community College District 2
- Huffman ISD
- Humble ISD
- Klein ISD
- Pasadena ISD
- Sheldon ISD
- Waller ISD
- Bissonnet Municipal Utility District
- Bridgestone Municipal Utility District
- Clear Lake City Water Authority
- Cypress Creek Utility District
- Cypress Forest Public Utility District
- Dowdwell Public Utility District
- Fort Bend Water Control & Improvement District 2
- Harris County Municipal Utility District 026
- Harris County Municipal Utility District 044
- Harris County Municipal Utility District 064
- Harris County Municipal Utility District 148
- Harris County Municipal Utility District 150
- Harris County Municipal Utility District 154
- Harris County Municipal Utility District 205
- Harris County Municipal Utility District 278
- Harris County Municipal Utility District 284
- Harris County Municipal Utility District 304
- Harris County Municipal Utility District 390
- Harris County Municipal Utility District 400
- Harris County Municipal Utility District 401
- Harris County Municipal Utility District 419
- Harris County Municipal Utility District 504
- Harris County Municipal Utility District 580
- Harris County Municipal Utility District 021
- Harris County Municipal Utility District 050
- Harris County Municipal Utility District 070

- Harris County Municipal Utility District 092
- Harris County Municipal Utility District 119
- Harris County Municipal Utility District 157
- Harris-Montgomery Counties Municipal Utility District 386
- Malcomson Road Utility District
- Newport Municipal Utility District
- Northbelt Utility District
- Northwest Freeway Municipal Utility District
- Northwest Harris County Municipal Utility District 019
- Remington Municipal Utility District 1
- Sagemeadow Utility District
- Sun Lake Improvement District
- Sunbelt Fresh Water Supply District
- West Keegans Bayou Improvement District

May 24, 2022 Primary Runoff Election

- Republican Primary
- Democratic Primary

June 18, 2022 Uniform Runoff Election

- City of Nassau Bay
- Houston Community College District 2

June 28, 2022 Precinct Chair Runoff Election

- Precinct Chair Runoff Election

November 8, 2022 General Election

- Baytown City Council District 2
- City of Houston
- League City
- Missouri City
- City of Nassau Bay
- Lone Star College Station District 6
- Channelview ISD
- Crosby ISD
- Crosby ISD District 1
- Crosby ISD District 2
- Crosby ISD District 3
- Crosby ISD District 4
- Crosby ISD District 5
- Crosby ISD District 7
- Huffman ISD
- Katy ISD
- Klein ISD
- New Caney ISD

- Sheldon ISD
- Spring ISD
- Tomball ISD
- Waller ISD
- CNP Utility District
- Crosby Municipal Utility District
- Harris County Emergency Services District 014
- Harris County Emergency Services District 020
- Harris County Fresh Water Supply District 058
- Harris County Municipal Utility District 050
- Harris County Municipal Utility District 127
- Harris County Municipal Utility District 273
- Harris County Municipal Utility District 555
- Harris County Water Control and Improvement District 089
- Katy West Municipal Utility District
- McNair Define Area
- Newport Municipal Utility District Defined Area 2
- North Harris County Regional Water Authority Position 2
- North Harris County Regional Water Authority Position 3
- North Harris County Regional Water Authority Position 4
- North Harris County Regional Water Authority Position 5
- North West Harris County Municipal Utility District 012
- Woodlands Township
- Tomball Business Improvement District 1
- Waller-Harris Emergency Service District 200
- West Harris County Municipal Utility District 010

Figure 3: Harris County Elections

Primary Election Administration

In Harris County, the March 1, 2022 Primary Election and the May 24, 2022 Primary Runoff Elections for the Republican and Democratic parties were conducted as separate elections. Contractual agreements, dated January 8, 2022, were in place to clearly identify the responsibilities of the county and the party chairs.

Election Systems

Harris County utilized Verity Voting 2.5 developed by Hart InterCivic, Inc. for all elections conducted during the audit period. This system was certified by the Secretary of State for use in Texas on April 1, 2021. Harris County used the new equipment for the first time during the May 1, 2021 Uniform Election.

Voting Systems

Verity Data (2.5.0)	•Election Management Software
Verity Build (2.5.0)	•Election Management Software
Verity Count (2.5.0)	•Election Management Software
Verity User Management (2.5.0)	•Election Management Software
Verity Election Management (2.5.0)	•Election Management Software
Verity Desktop (2.5.0)	•Election Management Software
Verity Scan (2.5.1)	•Precinct Scanner
Verity Central (2.5.1)	•Central Scanner
Verity Controller (2.5.1)	•Ballot Activation Device
Verity Touch Writer with Access (2.5.1)	•Ballot Marker Device
Verity Touch Writer Duo (2.5.1)	•Ballot Marker Device
Verity Touch Writer Duo (2.5.1) Standalone	•Ballot Marker Device

Figure 4: Voting Systems in Harris County

It is the responsibility of the county election official to ensure that all voting system equipment is certified by the Secretary of State⁵ and being used in a manner consistent with the terms of the certification and in accordance with state and federal law.

⁵ Tex. Elec. Code § 122.031.

Electronic Pollbook

Harris County developed, maintains, and operates their own electronic pollbook system. Initially certified in January 2020, Harris County's ContentActive E-Pollbook V7.15 was recertified on May 31, 2022 for use in Texas prior to the November 8, 2022 General Election.



Figure 5: ContentActive E-Pollbook in Harris County

State Inspector Reports

The Secretary of State is required to appoint one or more inspectors for an election upon a written request from 15 or more registered voters.⁶ Additionally, the Secretary of State has the discretion to appoint an election inspector to any election.⁷

State inspectors prepare an inspection report identifying any violation of law observed by the inspector to the Secretary of State following the election.⁸ During the audit period, the Secretary of State appointed state inspectors to observe polling locations in Harris County for the following statewide elections.

In addition to early voting and election day polling locations, three (3) state inspectors observed the activities of the Early Voting Ballot Board (EVBB). In total, 190 polling locations were inspected during the audit period. The Secretary of State provided all of the state inspector reports to the county for review following the election.

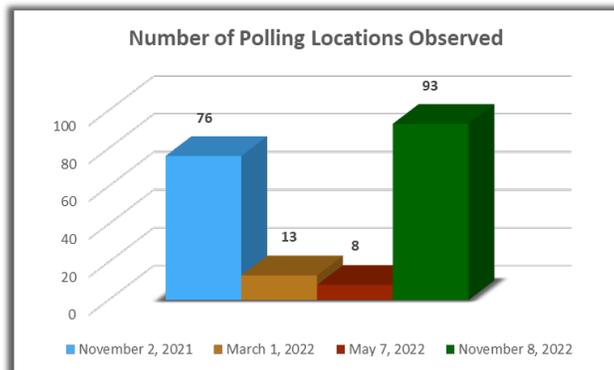


Figure 6: Number of Polling Locations Observed by Election

⁶ Tex. Elec. Code § 34.001(b).

⁷ Tex. Elec. Code § 34.001(a).

⁸ Tex. Elec. Code § 34.002(c).

The most common concerns cited in the state inspector reports include:

- Late opening of polling locations;
- Sample ballots;
- Electioneering;
- Procedural concerns related to spoiled ballots and statements of residence;
- Equipment malfunctions;
- Accessibility;
- Equipment with no seals; and
- Workers requesting more training.

Complaints

Any person who believes that a criminal violation of the Texas Election Code has occurred may file a complaint with the Secretary of State's office. In order to initiate the complaint process, a written and signed complaint must be filed with the Secretary of State.

The Secretary of State has no authority to order a new election, change an election result, or conduct a criminal investigation. However, the Secretary of State has the ability to refer election complaints to the Office of the Attorney General.⁹ If, after receiving a complaint alleging criminal conduct in connection with an election, the Secretary of State determines that there is reasonable cause to suspect that the alleged criminal conduct occurred, the Secretary of State shall promptly refer the complaint to the Attorney General.

During the audit period, the Secretary of State's Elections Division received 70 formal complaints related to conduct that occurred in Harris County. Specific concerns cited in the received complaints include:

- Residency & Eligibility Requirements;
- Voter Registration Process;
- Equipment Malfunctions;
- Redistricting;
- Ballot by Mail Procedures;
- Incorrect Ballot Styles;
- Livestream Requirements;
- Voter Intimidation;
- Paper Jams;
- Accessibility;
- Misconduct of Judges and Clerks; and
- Signature Verification Process.

⁹ Tex. Elec. Code § 31.006.

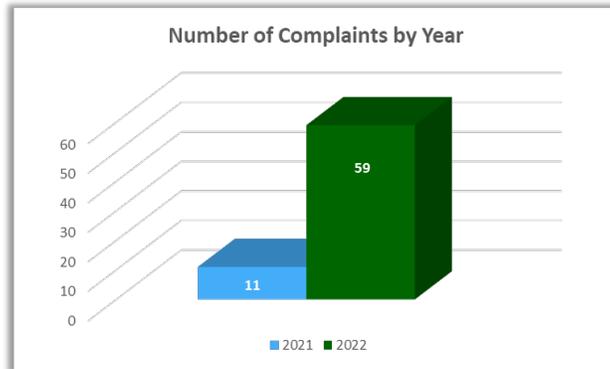


Figure 7: Complaints by Year

Of the 70 complaints received, 5 were referred to the Office of the Attorney General for further investigations. The details of these complaints are not considered public information until an investigation has been completed or the Attorney General has decided that the information referred does not warrant an investigation.¹⁰ After review of the remaining 65 complaints, it was determined that the complaints did not include any criminal conduct or violations of the Texas Election Code.

¹⁰ Tex. Elec. Code § 31.006.

VOTER REGISTRATION

Findings

- Harris County must work to ensure consistency and accuracy between the data contained in their county systems and the data reported to the statewide system.
- Harris County must exercise due diligence in addressing all list maintenance notifications provided by the Secretary of State to ensure the integrity of the county voter registration list.
- The Secretary of State has limited insight into the list maintenance process when counties are utilizing a separate county voter registration vendor. Harris County must accurately report the outcome of all list maintenance activities to the statewide system in a timely manner.

Voter Registration System

The Secretary of State is responsible for the implementation and maintenance of an electronic statewide voter registration system. This system serves as the single system for storing and managing voter registration information from all Texas counties and serves as the official list of registered voters (OLRV) in the state.¹¹

Counties in Texas may elect to contract with a third-party vendor to operate the county voter registration system upon the approval of the Secretary of State.¹² Harris County contracts with VOTEC Corporation for use of their VEMACS voter registration platform. VOTEC has successfully completed the state's limited certification process and their VEMACS platform is certified for use by county election officials in Texas.

System Synchronization

Counties using a certified third-party system have been required to complete synchronization at least once annually to ensure consistency of all voter registration records. However, in June 2022, the Secretary of State began requiring that the system synchronizations be conducted at least one time each month.

Harris County consistently conducted monthly syncs beginning in June 2022. A review of the initial file submitted in early July 2022 reflected an initial inconsistency between the two systems of over 1,000,000 voter records. A discrepancy identified during the sync process may be related to such activities as new voter registrations that are still pending, voters who have recently moved and the transfer of those records to a new county is still in process, and redistricting

¹¹ Tex. Elec. Code § 18.061(a).

¹² Tex. Elec. Code § 18.012.

activities within the state and county voting precincts. It is important to note that such discrepancies do not indicate ineligible voters but indicate conflicting or missing information in the voter records between the two systems.

A final sync, conducted prior to the voter registration deadline for the November 8, 2022 General Election, reduced the number of discrepancies to approximately 2,500 voter records leading to a more consistent alignment of the data shared between the two systems.

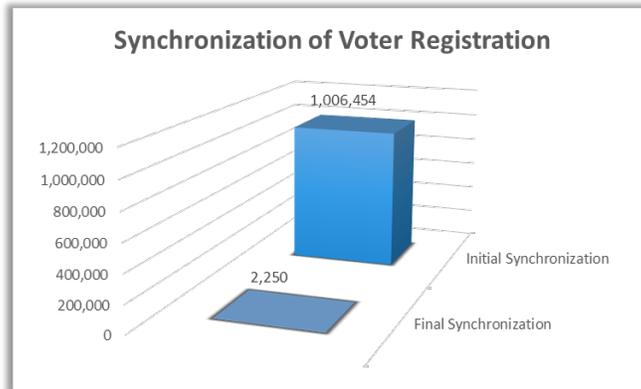


Figure 8: Number of Discrepancies Identified During System Synchronization

Voter Registration

A review of the total number of registered voters, for all statewide elections conducted during the audit period, as submitted to the statewide system from Harris County is reflected below.

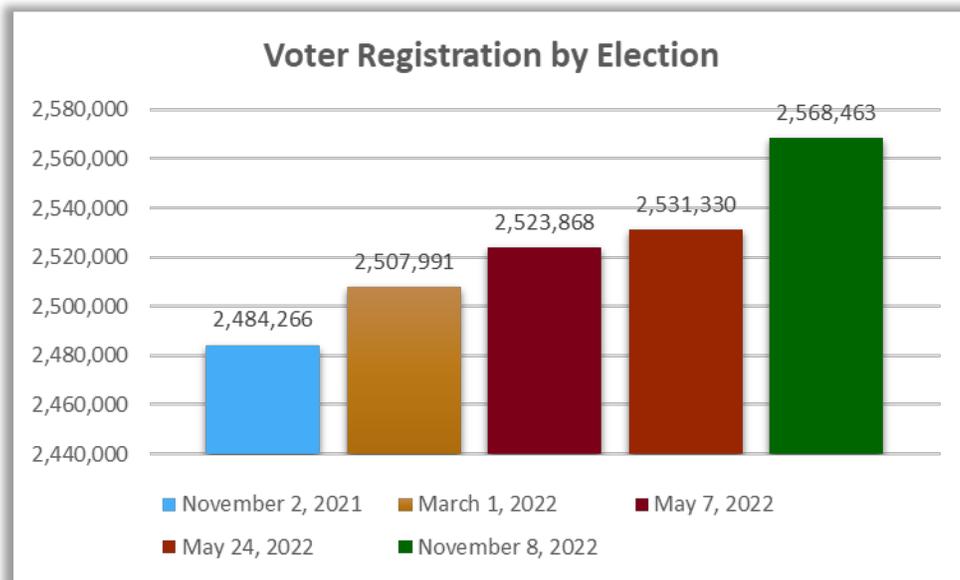


Figure 9: Harris County Voter Registration by Election

Disparities Across Reporting Systems

It is the responsibility of county voter registrars to provide all necessary voter registration information on an expedited basis to ensure the accuracy of the voter registration records maintained in the system as well as the accuracy of the official list of registered voters eligible to cast a vote in each election.¹³

As reported in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#),¹⁴ a review of voter registration figures as listed on various reports for the November 8, 2022 General Election reflects inconsistencies. The total number of registered voters as submitted by Harris County to the statewide system serves as the official list of registered voters and the official voter registration totals. However, in comparing official statewide voter registration lists and totals to the Official List of Registered Voters Report produced by the county VEMACs system and imported to the ContentActive ePollbook system, numerous inconsistencies were identified. Further discrepancies were noted when comparing these reports to the Cumulative Summary Reports and the Canvass Reports generated by the voting system software.¹⁵ Therefore, these reporting discrepancies are not isolated to the November 8, 2022 General Election but are consistent across all elections conducted during the audit period.

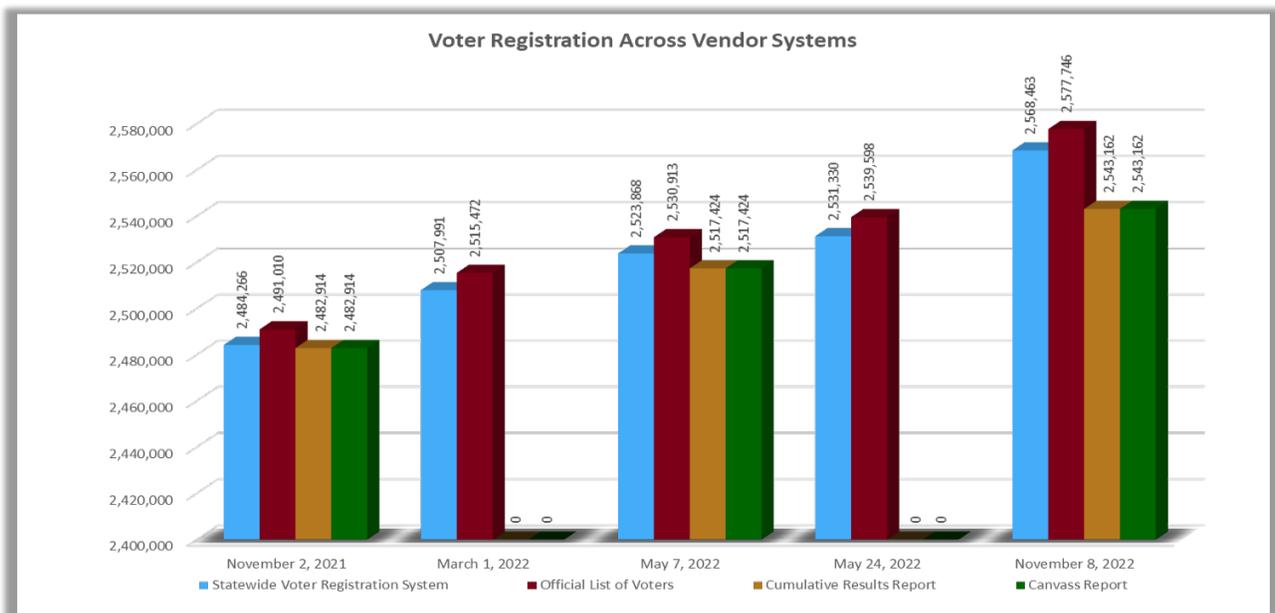


Figure 10: Harris County Voter Registration by Vendor System

These reporting disparities create an inability to definitively measure voter turnout and accurate statistical reporting. This would necessitate a close alignment and synchronization of all vendor systems, including the voter registration, electronic pollbook (“ePollbook”), and voting system

¹³ Tex. Elec. Code § 18.061(c).

¹⁴ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 8, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

¹⁵ The Cumulative Summary Report and the Canvass Report provided by Harris County did not include a total number of registered voters for the March 1, 2022 Primary Election.

software and accurate reporting to the statewide system which serves as the official list of registered voters. The responsibility to provide accurate and timely voter registration numbers and coordination of these data points rests on the county election official to ensure consistent reporting.

Accuracy of Voter Registration List

The Texas Election Code enumerates the importance of maintaining accurate voter registration lists through defining the acquisition of data from other specified agencies, outlining the procedures and processes required of the Secretary of State and county voter registrars, and identifying the criteria used to match this information with the statewide voter registration list.¹⁶ The Secretary of State is required to send this information to county voter registrars for further review. It is the responsibility of the county voter registrar to review these records on the grounds of eligibility and/or to eliminate duplicative records to ensure the accuracy and integrity of the county voter registration list. Additionally, if the county voter registrar has reason to believe that a voter is no longer eligible for registration, the registrar may use any lawful means to investigate a voter's continued eligibility to ensure an accurate list of registered voters.¹⁷

The state has limited insight into county list maintenance activities for counties using a third-party system. Voter registration information is submitted to the state on a daily basis. However, the tracking of all correspondence, including list maintenance activities, is not available to the state. In most cases, only the final outcomes of county investigations related to voter eligibility and residency are reported to the state system.

Ineligibility Due to Death

In 2021, 19,064 strong matched records¹⁸ were cancelled by the state in Harris County and 19,187 strong matched records were cancelled by the state in 2022. An additional 11,361 weak matched records were provided to the county for further review in 2021 and 5,912 weak matched records were provided to the county for further review in 2022. Of the records provided to the county for further review, 4,850 records were cancelled either on confirmation of a deceased status or for a failure to respond to an examination letter in 2021 and 2,729 records were cancelled in 2022.

Overall, a total of 23,914 voter registrations were cancelled by Harris County in 2021 and 21,916 were cancelled in 2022 due to the notification of potential deceased voters from the state and subsequent investigations by the county. In 2021, 6,503 records were marked as resolved by the

¹⁶ Tex. Elec. Code §§ 18.068, 18.0681.

¹⁷ Tex. Elec. Code § 16.033.

¹⁸ 1 Tex. Admin. Code § 81.6(a).

county. In 2022, that number was 3,149. The actions taken by the county to resolve these records are not available due to the limited information provided by the county vendor system.

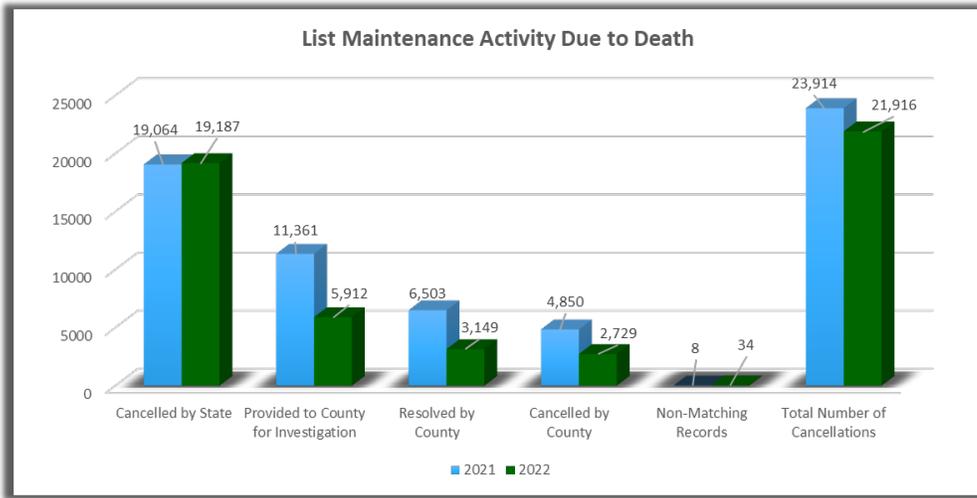


Figure 11: Cancellation of Voter Registration Due to Death

Ineligibility due to Felony Conviction

A review of cancellation reports indicated that Harris County cancelled 102 voter registration records in 2021 due to a felony conviction. In 2022, the county cancelled 778 voter registration records. In total, Harris County cancelled 880 voter registration records based on confirmation of a felony conviction during the audit period.¹⁹

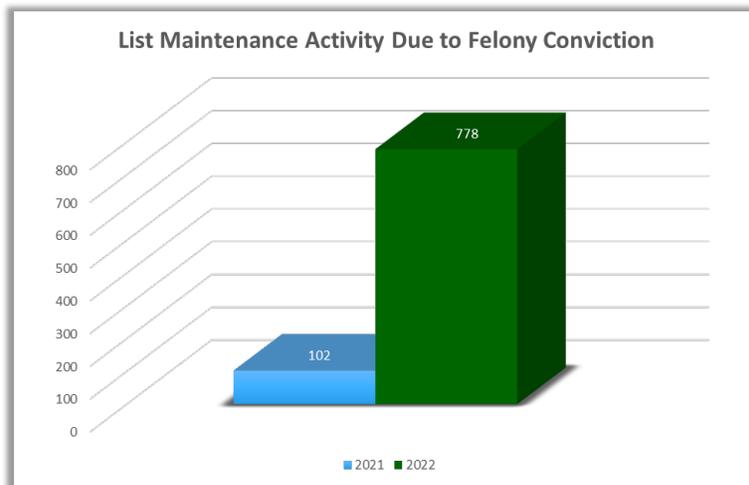


Figure 12: Cancellation of Voter Registration Due to Felony Conviction

¹⁹ Tex. Elec. Code § 16.003.

Ineligibility due to Non-U.S. Citizenship

A review of county data indicated that 2,895 potential non-U.S. citizen voters were identified and provided to the county for further review in 2021.²⁰ Following the review period, 1,089 voter registration records were cancelled. The remaining voter registration records were marked as resolved by the county. In 2022, 55 potential voter registration records were provided to the county for review and 47 of those voter registration records were cancelled following the county investigation. The remaining 8 voter registration records were marked as resolved.

Overall, of 2,950 potential non-U.S. citizen notifications sent to Harris County during the audit period, 1,136 voter registration records were cancelled due to a request by the voter or the failure of the voter to respond to the county's investigation. The remaining 1,814 notifications provided by the state were marked as resolved. The actions attributing to the resolution of these records are not available due to the limited information provided by the county vendor system.

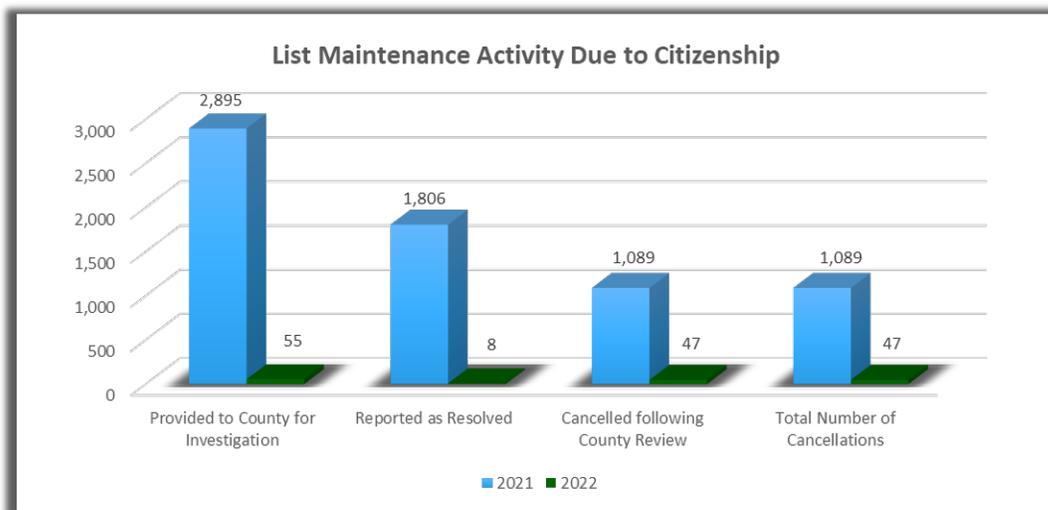


Figure 13: Cancellation of Voter Registration Due to Non-U.S. Citizenship

Duplicate Registration Records

In 2021, Harris County cancelled 888 duplicate records within the county and 39,018 duplicate records were identified and cancelled for voters having a more recent registration in another county.²¹ In 2022, 2,026 duplicate records were cancelled within the county and 58,396 duplicative records were cancelled for voters having a more recent registration in another county. In total, 100,328 duplicate registrations were removed from the Harris County voter registration list during the period of this audit.

²⁰ Tex. Elec. Code §§ 18.068, 16.0332; Tex. Gov't Code § 62.113.

²¹ Tex. Elec. Code §§ 15.022, 16.031(a)(1).

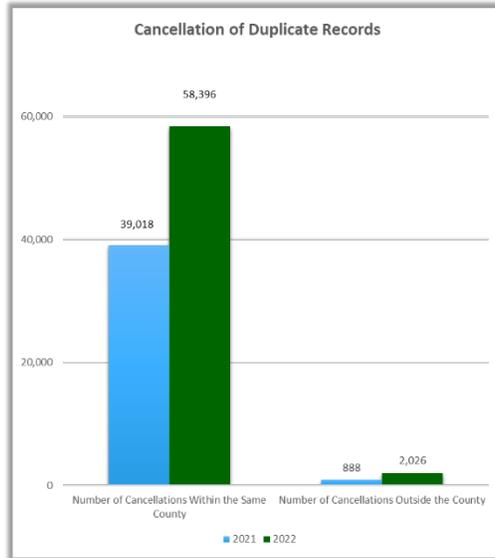


Figure 14: Cancellation of Duplicate Voter Registration Records

Residency

County voter registrars are tasked with ensuring voter eligibility based on current residency. If the registrar has reason to believe that a voter’s current residence is different from that indicated on the registration records, or that the voter’s residence address is a commercial post office box or similar location that does not correspond to a residence, the registrar shall deliver to the voter a written confirmation notice requesting confirmation of the voter’s current residence.²²

Since Harris County utilizes a third-party vendor for voter registration purposes, the audit team is unable to review information related to the number of address confirmations that were mailed during the audit period. However, a review of cancellation reports indicated that a total of 2,431 confirmation responses were received by Harris County in 2021 and 11,395 confirmation responses were received by the county in 2022. In total, 13,826 voter registrations were cancelled during the audit period based on confirmation responses indicating that the individuals no longer lived in Harris County.

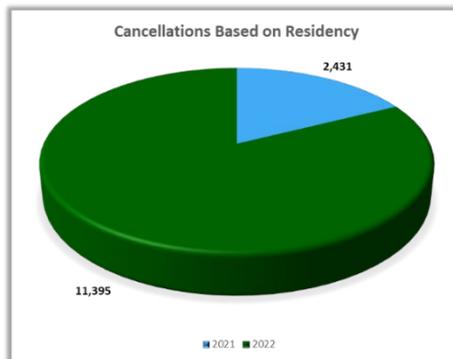


Figure 15: Cancellations Due to Receipt of Address Confirmation from Voter

²² Tex. Elec. Code § 15.051.

Voters Found to be Registered at Commercial Mailbox Locations

If a voter registrar has reason to believe that the voter's residential address as listed on the voter registration record is a commercial post office box or similar location that does not correspond to a residence, the voter registrar must seek confirmation of the voter's actual residential address.²³ The [Final Report of the Full Forensic Audit of the 2020 General Election](#)²⁴ revealed that 687 voters were registered at 70 commercial mailbox locations throughout Harris County. Additionally, there were 164 voters registered at 2 locations in Harris County that were tied to individual apartment units. This finding was based on the analysis of the vote history report from Harris County for the 2020 General Election and compared to addresses for known United Parcel Service (UPS) locations.

As a point of comparison, the same process was used to examine the voting history for the 2022 General Election. A review of this comparison revealed that in 2022, 333 voters were registered at 58 commercial mailbox locations in Harris County. An additional 43 voters were registered at 4 locations that appear to correspond to apartment complexes.

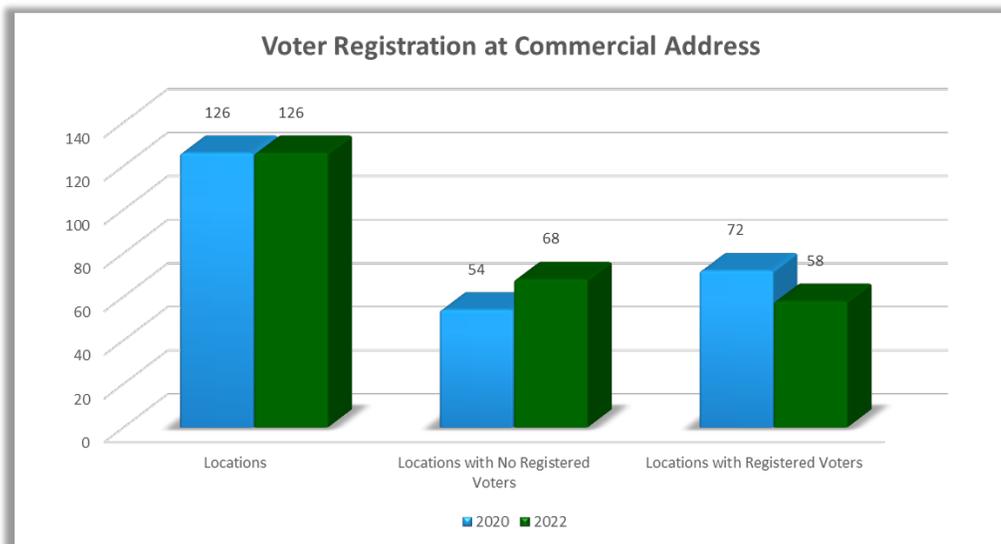


Figure 16: Voter Registration Comparative Results

Harris County must ensure that all voter registrations comply with the residency requirements in state law.²⁵

²³ Tex. Elec. Code § 15.051.

²⁴ Final Phase 2 Report on Full Forensic Audit of 2020 General Election in Texas, Texas Secretary of State, (December 2022), pg. 4, <https://www.sos.state.tx.us/elections/fad/2020-Audit-Full.pdf>.

²⁵ In 2021, Senate Bill 1111 created a separate confirmation process requiring additional documentation for individuals who may be residing as commercial addresses.

Volunteer Deputy Registrars

Harris County publicizes information related to becoming a volunteer deputy registrar on their county website. This information includes qualifications, training material, and information related to the official application and appointment by reciprocity (for volunteer deputy registrars certified in other counties). The county hosts numerous volunteer deputy registrar training opportunities and lists the training schedule on the county’s website. All training sessions are conducted virtually.

A review of documentation submitted by Harris County identified a total number of 4,141 volunteer deputy registrars serving the county during 2021 and 1,919 serving during 2022. Of the certifications reviewed, 3,771 were new volunteer deputy registrar certifications, 27 were certifications given in reciprocity and 2,262 were renewal volunteer deputy registrar certifications.

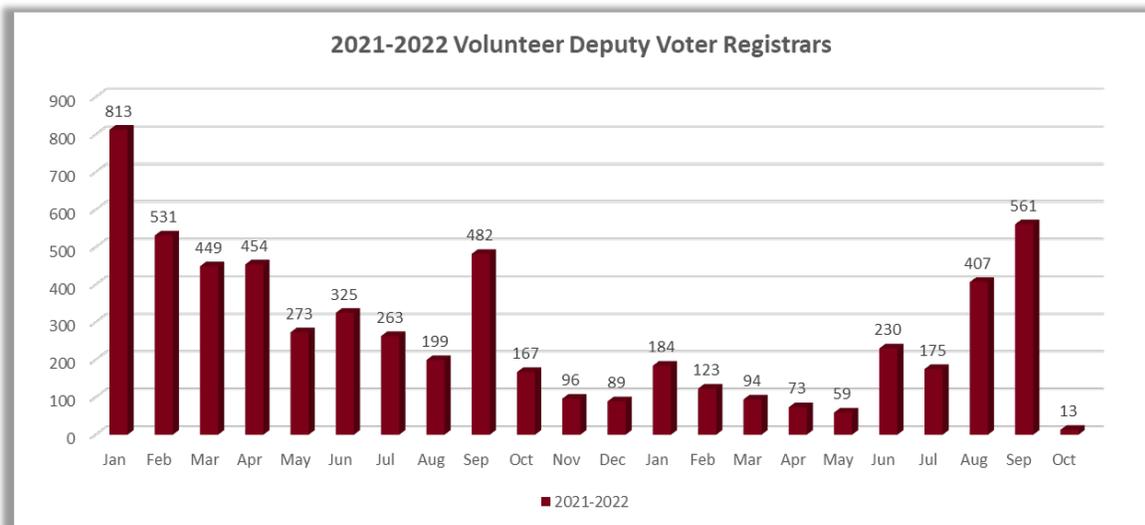


Figure 17: Volunteer Deputy Registrars Serving Harris County in 2021-2022

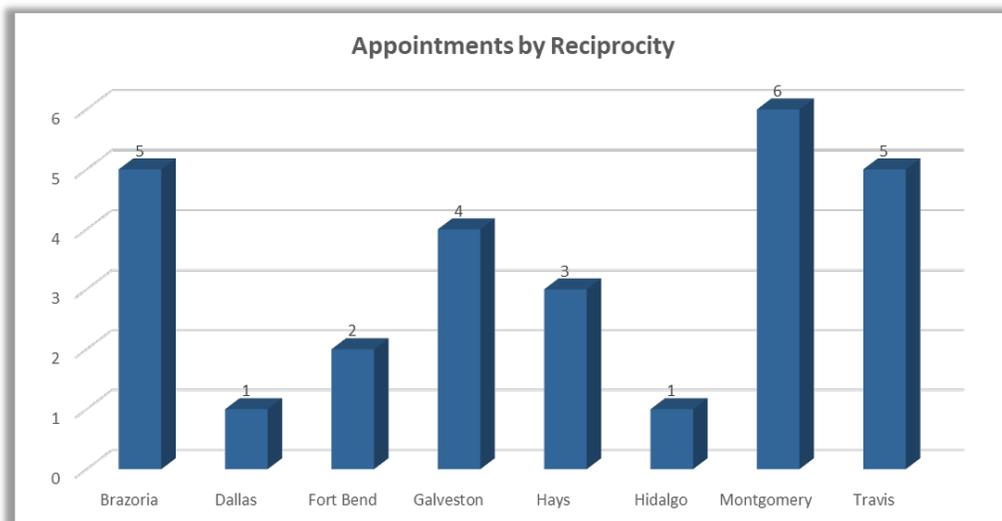


Figure 18: Volunteer Deputy Registrars Appointed by Reciprocity in 2021-2022

ELECTION SECURITY

Findings

- Harris County has no written documentation related to election-specific technology, election security protocols, or vendor risk management planning.
- Harris County has implemented industry standard best practices related to security of election equipment, electronic media, voted ballots, and supplies including controlled access points, secure and climate-controlled storage, and continuous video surveillance of voting equipment and election records.

Policies & Procedures

County election officials are required to implement security measures to ensure that all devices with access to election data comply with the guidance adopted by the Secretary of State to the extent that funds are available.²⁶ This guidance includes, but is not limited to, the [Election Security Best Practices Guide](#)²⁷ and the Texas Election Security Toolkit which provide county election officials with documentation templates, effective procedures and industry proven best practices.

Countywide policies and procedures related to information technology and security are provided by Harris County Universal Services. According to county election officials, Universal Services provides all county employees with the Universal Plan which details the county information security policies and procedures as well as best practices implemented across the county. Information security planning and training is provided to all county employees which includes access management, data management, and data retention. Additionally, the Harris County Personnel Policies & Procedures mandates that all county employees complete an annual certified cybersecurity training program.

Cybersecurity & Infrastructure

Universal Services serves as the countywide information technology and information security provider. Though officials indicated that security measures and protections were in place against cyberattack at that time, Harris County did not provide any specific information related to county cybersecurity or infrastructure practices. Additionally, the county did not provide any policy or procedural documentation specific to the support and security of the administration of elections in Harris County. Likewise, county officials were unable to confirm the existence of a vendor risk

²⁶ Tex. Elec. Code § 279.003.

²⁷ Election Security Best Practices Guide, Texas Secretary of State Elections Division (April 2020), <https://www.sos.state.tx.us/elections/forms/election-security-best-practices.pdf>.

management plan with vendors accessing election result data or sensitive voter registration information.

Contingency Planning

Harris County provided a copy of the county’s “Capability and Continuity Brief” which was presented by Harris County Universal Services on September 28, 2022 in preparation for the November 8, 2022 General Election. The briefing documents the organizational response structure and procedures for outages or disruptions to critical infrastructure such as the county data center, network, radio communications, cyber incidents, and fuel supply that could impact the administration of the election or election processes.

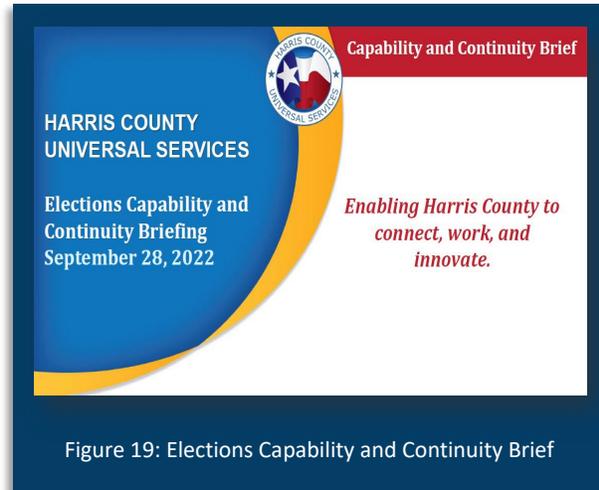


Figure 19: Elections Capability and Continuity Brief

Harris County provided a copy of their Contingency Management Plan specific to the Office of the Harris County Elections Administrator. This plan includes incident response procedures to address emergency or crisis situations in the weeks leading up to an election, during the voting period, and immediately following the election. The plan organizes response teams, outlines communication strategies, and identifies relocation efforts, if needed. The emergency or crisis planning document addresses incidents such as natural disasters, fires, loss of network, and even shortage of election workers and includes specific procedures for election judges in polling locations as well as county election staff administering the election.

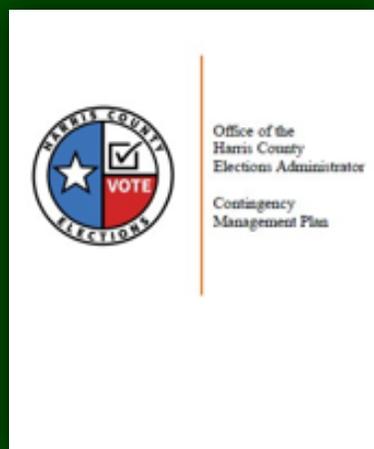


Figure 20: Harris County Election Contingency Management Plan

Physical Security

Physical security of voting systems, election equipment, election records, ballots and election workers are an essential part of securing elections and increasing voter confidence in the election process.

Access to General Offices

The primary location for election operations is the Election Technology Center (ETC). Access is available around the perimeter of the premises. Entry into the ETC facility is access-controlled and under 24-hour video surveillance. All visitors must use an intercom to request entry. Upon entry, all visitors must sign an access log and are escorted throughout the building at all times. Only authorized staff have badged access to enter the facility. During election cycles, the county employs security guards as an added layer of security.

The ETC houses election records, supplies, and all voting system equipment. This facility also houses county record archives. Only authorized election personnel are allowed in the election storage areas which are separated in cages and monitored through continuous video surveillance. Harris County also uses two other facilities for the storage of administrative records related to elections.

Voting Equipment and Media

Voting system equipment must be secured with control keys or passwords when not in use.²⁸ The use of an access control key or password must be witnessed by one or more authorized individuals and must be documented in an audit log dedicated for that purpose until the disposition of the equipment.

All voting system equipment, electronic media, and election records are stored at the Election Technology Center. Electronic media is stored with the respective election records in a sealed container in a separate locked gated area. Access to these records, including the electronic media, is recorded on seal logs maintained by the county.

Harris County maintains an electronic inventory database of the county equipment which includes equipment barcodes, type of equipment, and acquisition dates. The county tracks all movement of the equipment by documenting the seal numbers and destination locations.

²⁸ Tex. Elec. Code § 129.053.



Figure 21: Election Technology Center Warehouse

Elections Supplies

Election supplies are organized and locked in a separate gated area at all times at the ETC. Proper labeling was observed on all items to identify the content of storage boxes and folders. Security cameras monitor all areas where election supplies are stored.

Records Management

The election administrator indicated that all historical election records are maintained in compliance with legal retention requirements. Election records and sensitive information are stored at the ETC. Several supplemental storage locations are used for administrative records.

All county election records are maintained for the required retention period of twenty-two (22) months and are only accessible by authorized election personnel. Following the required retention period, record destruction is performed by Universal Services in accordance with county policies.

Personnel

The general custodian of election records must ensure that a criminal background check is conducted for election officials, staff, and temporary workers who are engaged in pre-election programming, testing, and preparing of the voting system equipment.²⁹

According to county staff, all permanent employees are required to pass a criminal background check as part of the hiring process. The county also conducts background checks on all temporary personnel.

²⁹ Tex. Elec. Code § 129.051(g); Election Advisory No. 2019-23.

TRAINING ELECTION WORKERS

Findings

- Harris County should conduct a comprehensive review of their training program to ensure that curriculum, instructional presentations, and procedural resources clearly define expectations and promote a depth of understanding for election workers to successfully and securely administer elections within the county.
- Harris County must ensure that all election judges and clerks successfully complete the in-depth hands-on training necessary to properly set up all election equipment and to troubleshoot common operational issues as they arise.
- Harris County is encouraged to routinely conduct post-election audits of documentation and procedural compliance to measure the effectiveness of the county training program.

Training

County election officials are required to provide one or more sessions of training specifically for election judges and clerks appointed to serve in elections ordered by the Governor or a county authority.³⁰ For election judges, the training must include procedures for opening and closing the polls, processing voters, and securing election equipment and voted ballots. Additionally, election workers that are assigned to the early voting ballot board and central counting station must have training specific to those requirements. For election clerks, the training must include procedures relating to the acceptance and handling of voter identification. The training is open to the public and the county is required to post a notice of the time and place of each session on the county's website.

For all elections, Harris County conducted a direct instruction training prior to each election. The 3.5-hour training was conducted at several locations throughout Harris County. Additionally, online training opportunities were available. The training consists of:

- Election law changes;
- Voter identification requirements;
- Processing voters through the ePollbook;
- Opening, closing, and sealing voting system equipment;
- Hands on training on polling election equipment.

According to Harris County staff, the training for Harris County was divided into two parts. The first part covered general procedures and responsibilities. The second part of the training

³⁰ Tex. Elec. Code § 32.114.

included a hands-on opportunity to learn how to setup up voting equipment and how to accurately complete polling location forms, in-depth video presentations related to the polling location equipment, curbside voting, and closing procedures for the polling location. The hands-on portion of the training was not mandatory even when the county transitioned to new voting system equipment. Failure to require this training for all election workers meant that not all workers were familiar with the operational and set-up requirements of the new voting system equipment.

Prior to the March 1, 2022 election, the training program for election judges and clerks was divided into two separate training tracks to provide more detailed training based on specific responsibilities. The quantity and duration of training remained the same. The hands-on portion of the training remained optional.

Instructional Materials

The audit team conducted a review of the training materials for all elections provided by Harris County to understand county procedures and to ascertain if those procedures were legally compliant. This review included all training manuals, instructional presentations, and forms related to chain of custody documentation, polling place operations, and the reconciliation of voting activity.

As cited in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#),³¹ the Harris County Training Manual and instructional resources for the November 8, 2022 General Election communicate county procedures for the transport of election equipment and supplies, operation of a polling location, and responsibilities of election workers. However, the training manual did not include the needed specificity of those procedures and responsibilities such as examples of properly completed documentation, troubleshooting guidance on common equipment issues, and signature requirements which verify the essential two-person verification of chain of custody and reconciliation activities.

All election workers were provided a copy of the training manuals to use as a reference. The information included instructions on how to open and close the polling locations, specific instructions related to accessibility, and an explanation of the distribution and return of supplies and equipment. The instructional materials included checklists of polling location procedures to equip them with the processes and procedures necessary to conduct an election.

The following training materials were included as additional resources for election workers:

- Training PowerPoint;
- Elections Reference Manual – Processing Voters;
- Elections Reference Manual – Election Day Checklists;
- Elections Reference Manual – General Information;

³¹ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 133, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

- ADA Manual – Election Workers: Understanding Americans with Disabilities; and
- ADA Training PowerPoint – With specific procedures on processing curbside voters and voters with disabilities.

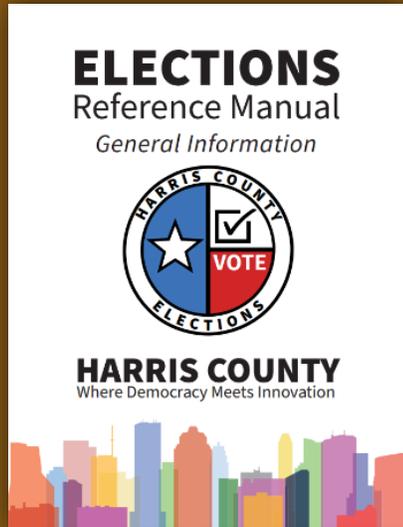


Figure 22: Election Reference Manual

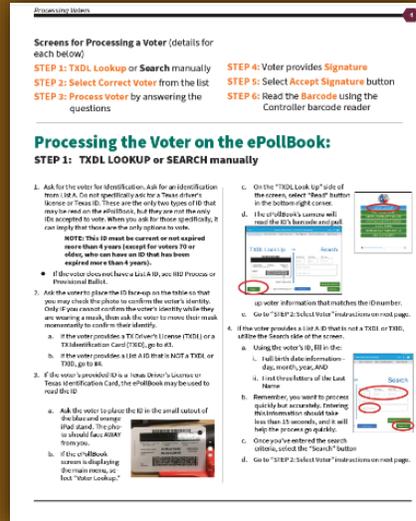


Figure 23: ePollbook Procedures

Election Workers

In Harris County, the chair of each political party provides a list of the election workers for each election. This information is presented to the commissioners court for approval. All workers are notified in writing of election training dates and times. Public notice for county election training opportunities is also posted on the county website.

All election judges and clerks must complete an Oath of Election Judges and Clerks.³² Additionally, presiding judges, alternate judges, and early voting clerks must take the Constitutional Oath of Office and Statement of Officer.³³ All election judges and clerks take the oaths at the polling location on the first morning of service prior to the opening of the polling location. Harris County uses a combined form for these requirements. Once the oaths have been administered, the form is signed and dated. The form is then returned to the election office with all election supplies and documentation. This paperwork is maintained by the county election office.

³² Tex. Elec. Code § 62.003.

³³ Article XVI, Section 1, Texas Constitution; Tex. Elec. Code § 1.016.

Harris County trained 18,288 election workers during the following elections in this audit cycle.

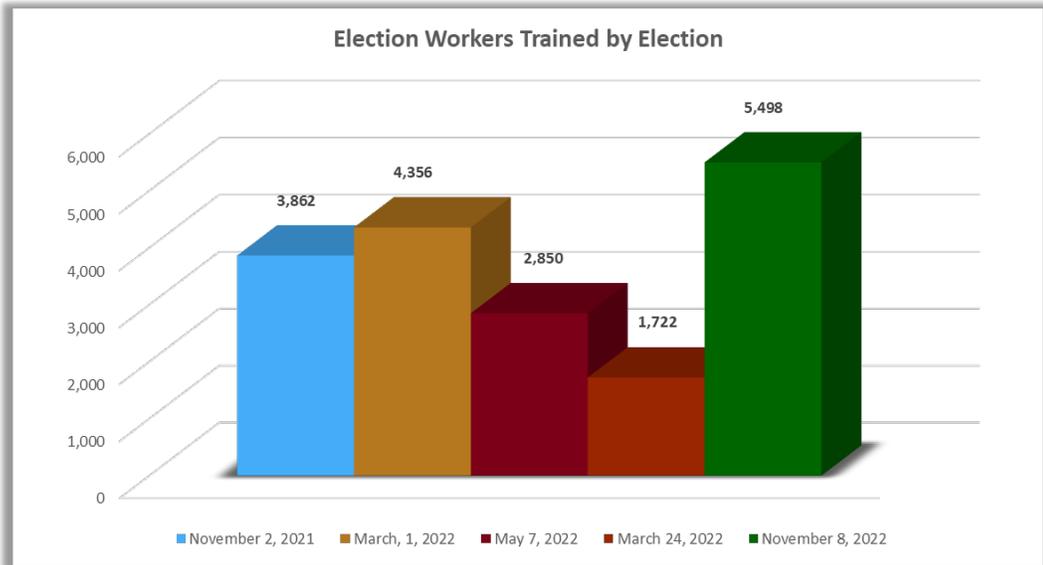


Figure 24: Election Judges & Clerks by Election

EQUIPMENT & SUPPLIES

Findings

- Harris County failed to thoroughly train election workers on the new voting system equipment prior to the November 2, 2021 Special Election. This inexperience and lack of operational awareness led to significant equipment issues requiring technical assistance.
- Harris County failed to adequately consider the impact of equipment malfunctions from previous elections when determining the allocations for elections conducted during the audit period. Specifically, even after experiencing significant issues with a two-page ballot on March 1, 2022, the county failed to consider these implications when preparing for the November 8, 2022 General Election.
- The county failed to deliver equipment and supplies to some of their polling locations with an adequate amount of time for the proper set-up and assembly of all voting equipment prior to the commencement of voting.

Supply & Equipment Distribution Process

It is the responsibility of the county election official to procure the election supplies necessary to conduct an election and adequately determine the quantity of the various types of supplies that should be allocated to each polling location.³⁴ Further, the county election official is responsible for ensuring that the supplies are distributed to each presiding election judge no later than one hour before the polling locations are required to open for voting.³⁵

Once the determination is made as to the type and amount of equipment needed for each polling location, voting machines and equipment are packed into a transport caddy. These sealed caddies are transported to the assigned polling locations prior to each election. County personnel accompany the transport vendor to ensure the correct equipment is delivered to the respective polling locations. Ballot paper and supplies are delivered to the early voting locations in the same method. These supplies are secured in locked mobile supply cabinets. Therefore, it is the county's responsibility to ensure that all needed equipment is delivered in an adequate amount of time to set up each location prior to the opening of the location for voting.

For election day, supplies and ballot paper are picked up at a designated location by the presiding judge of each polling location. The supplies are packaged in bins or tubs. According to Harris County, supplies are verified by Harris County staff and the presiding judge prior to leaving the pick-up location. However, the county did not provide documentation verifying that the supplies

³⁴ Tex. Elec. Code § 51.003.

³⁵ Tex. Elec. Code § 51.004(b).

were adequately reviewed by the election judge to ensure that all necessary equipment and supplies were received.

If any missing equipment or supplies are identified during the equipment and supply pick-up process, that information is notated on an Election Technology Center ticket. Likewise, when the election judge or county worker inspects the equipment and supplies that are transported by the county to the respective polling locations, any missing or needed items are submitted on an ETC ticket. According to Harris County, these tickets, typically dated prior to election day, are addressed by the county team and identified needs are delivered to the polling locations prior to the opening of the polling locations for voting. In most cases, the needed equipment and supplies are delivered during the early morning hours of election day. However, as evidenced in this section, the delivery of needed equipment and supplies was not always made in a timely manner causing delays in the opening of polling locations.

Supply & Equipment Allocation

As cited in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#),³⁶ Harris County failed to supply appropriate amounts of ballot paper to polling locations for the November 8, 2022 General Election. As evidenced in the report, this failure was caused by the ineffective methodology used to determine adequate allocations for each site. With changes in the election administration office, little or no information was provided related to the specific allocation methodology used in previous elections.

The greater failure of Harris County in their election preparation was the lack of consideration for widespread issues that had occurred in previous elections in their allocation of equipment and supplies. This led to a repetitive list of persistent issues being experienced on election day in Harris County. Specifically, the distribution of improperly functioning equipment, or the lack of sufficient training for election judges on how to assemble and operate the equipment, led to an elevated demand of ballot paper supply due to damaged or spoiled ballots. This spiral of issues occurred in all of the statewide elections conducted during the audit period.

Supplies & Equipment Issues

Harris County staff address any polling location issues reported on the Election Technology Center tickets. Additionally, Harris County has a support team, referred to as rovers, in place to manage escalated issues during an election. These individuals are assigned specific areas of the county to support which includes ensuring that polling locations within their assigned area are properly equipped and to assist with any technical or operational needs as they arise. The team is directed to specific polling locations by the phone bank operation center as calls from election judges and workers are received. During each visit, the roving technician completes a Polling Place Troubleshooting and Observation Log.

³⁶ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 30, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

To identify patterns or trends in specific elections and across all elections conducted during the audit period, both the ETC tickets and the rover forms were analyzed in detail for election day for the four elections with the highest voter turnout. The elections included the November 2, 2021 Special Election, March 1, 2022 Primary Election, May 24, 2022 Primary Runoff Election, and the November 8, 2022 General Election. Reported issues were grouped into broad categories as reflected below. In total, Harris County had 703 technician reports for the four identified election.

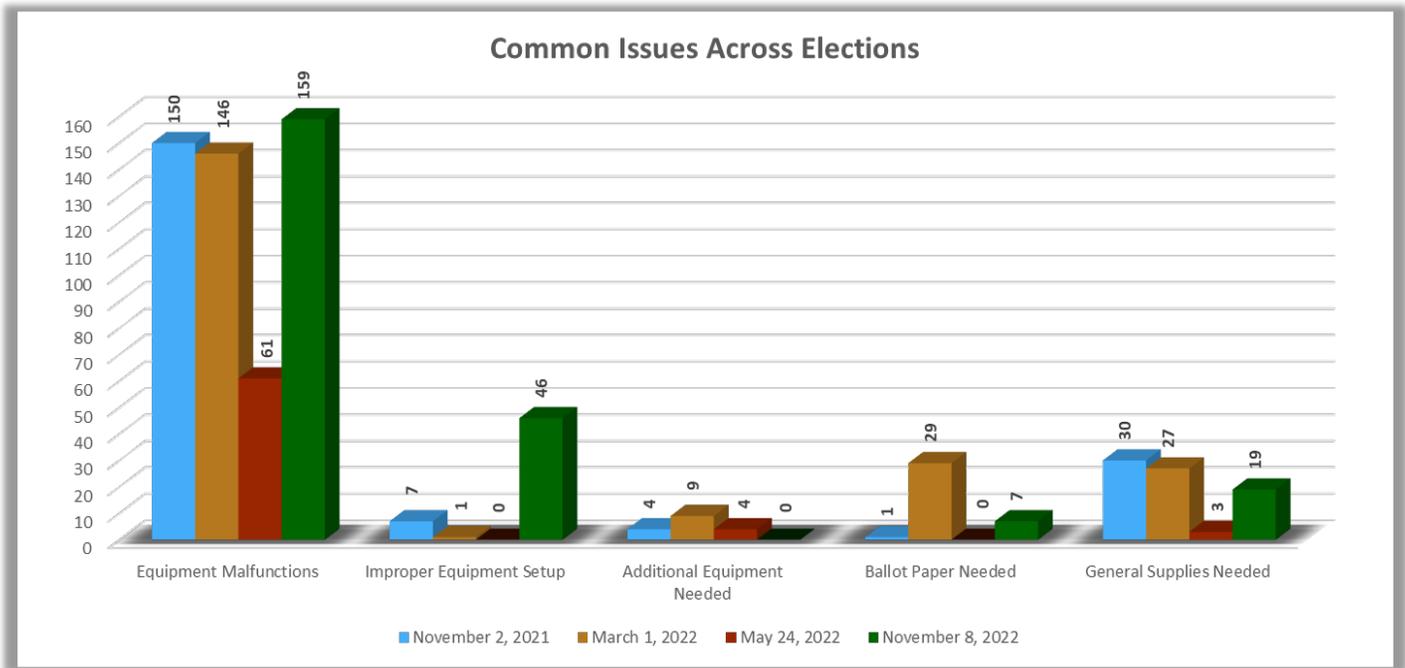


Figure 25: Common Issues Across All Elections

Voting System Equipment Issues

Equipment malfunctions plagued Harris County in the four statewide elections with the highest voter turnout. As previously mentioned, Harris County began using new voting system equipment for the May 1, 2021 Uniform Election. The November 2, 2021 Special Election was the first statewide election for which the county used this equipment. Though a high number of equipment specific issues were reported during the first statewide election in use, the voting equipment issues continued across all elections. Specifically, voting equipment issues accounted for 516 of 703 escalated responses by the support team specifically related to the following equipment types.

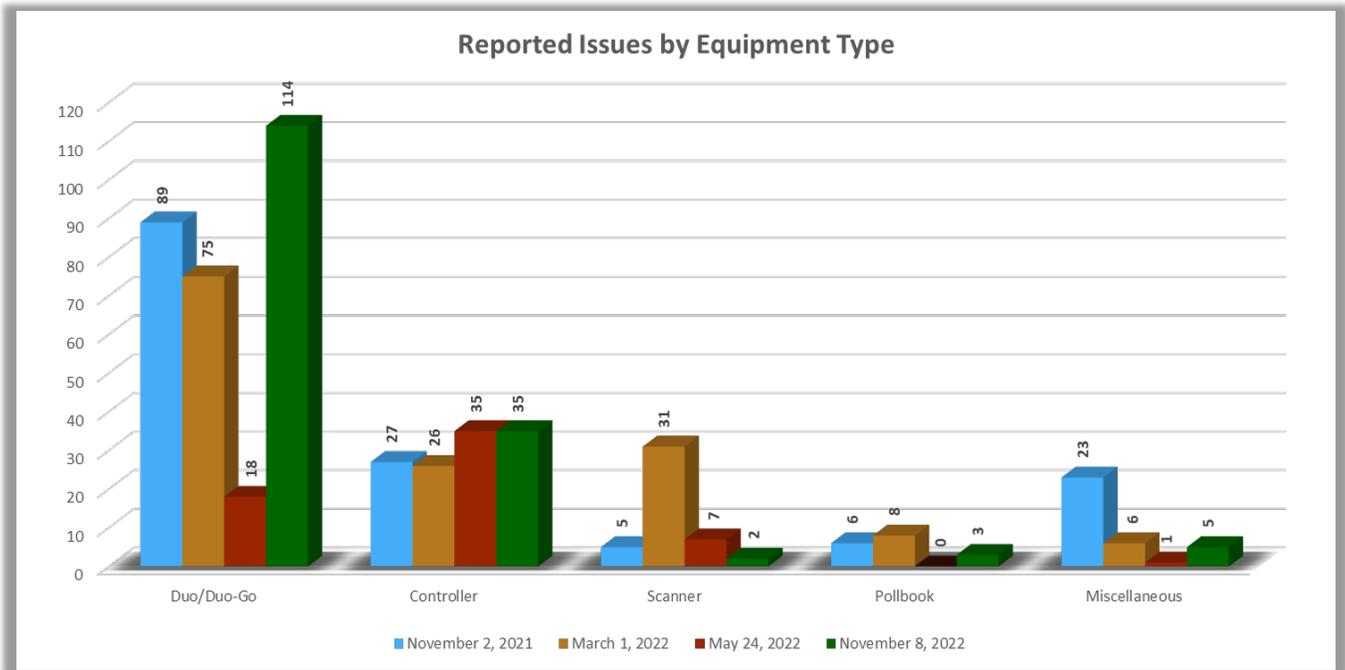


Figure 26: Reported Issues by Equipment Type

Commonly Reported Issues

Paper jamming, especially with the two elections that had a two-page ballot, were the most commonly reported issue. However, connectivity between the various pieces of equipment, power issues, and the inability to scan damaged ballots were cited in all elections. The following were commonly reported issues:

- “Systems and equipment issue. Judge needed help as it would not let them log in and open the polls.” (November 2, 2021)
- “Connector not reading up on Duo. No engagement with Controller.” (November 2, 2021)
- “Controller not connecting to Duos. Controller would cycle on and off.” (May 24, 2022)
- “Duos displayed no controller found screen. I instructed her to check and make sure the cables are connected properly then reboot the controller. She rebooted the controller and waiting for the Duos to come on. She has 3 lines with 7 Duos on each line and well over 100 people in line with 2 of the 3 lines working.” (November 8, 2022)
- “Replacement Duo is now eating ballots. They are very busy, requesting another Duo.” (November 8, 2022)
- “Scanner continuously said processing with or without paper being in or out.” (November 2, 2021)
- “Scanner will not read ballots.” (March 1, 2022)
- “Duo consistently printed bad ballots.” (November 2, 2021)
- “Paper jam and not reading second page.” (March 1, 2022)
- “Presiding judge advised that they have had constant issues feeding ballots.” (March 1, 2022)

- “Duo prints ballots very lightly. Could not resolve reprinting or adjusting feed system.” (March 1, 2022)
- “Duo not connecting to base. Does not appear to be receiving power and is operating on battery.” (May 24, 2022)
- “Duo would not connect.” (May 24, 2022)
- “Duo keeps showing tablet not docked.” (May 24, 2022)
- “Second page of ballot paper was not being accepted by Duo.” (November 8, 2022)
- “Duo got jammed, had to spoil a ballot. Then, the second times the voter voted, the ink smeared. Getting the voter to vote a third time. None of them have been cast at this point.” (November 8, 2022)

The technical tickets also noted a number of comments specifically complaining about paper guides on the voting equipment. Though the guides were intended to direct the two-page ballot path to avoid or eliminate jamming issues, technician tickets noted complications related to the use of the feeding guides causing paper jamming.³⁷

The image shows two forms related to a polling place issue. The left form is a 'Polling Place Troubleshooting & Observation Log' for November 2, 2021, at Harris County. It details a scanner issue where the scanner continually said 'processing' with or without paper being in or out. The technician, Judge, went through steps with help from a desk and determined to have a new one sent out. The issue was resolved by replacing the scanner with a new one (HCCD # 113633). The right form is an 'ETC TROUBLE LOG' for a 'COUNTER' issue on the same date. It notes that two controllers (C2014343411 and C2014345411) and two barcode readers were delivered. The precinct judge's signature is Becky Newman.

Figure 27: Polling Place Troubleshooting & Observation Ticket for November 2, 2021

³⁷ On June 15, 2023, the Secretary of State approved a minor modification to the Hart Verity 2.5 system, which involved the installation of a permanent paper path guide to the Verity Duo to improve the paper pathing and prevent situations where the voter could feed the ballot stock into the device in a way that could cause a paper jam or a misprint of the printed vote record. This modification was proposed by Hart to address potential misfeeding issues in future elections.

Polling Place Troubleshooting & Observation Log

Log #: (LOG # COMES FROM HELP DESK)

Date:	03-01-22	Jurisdiction:	Harris County	Troubleshooting Technician:	SANTIAGO SIWACHE
Purpose of Call (circle one):		TROUBLESHOOTING		or <input checked="" type="checkbox"/> OBSERVATION	
Time:	Arrival: 5:44	Pct #		Poll Worker Contacted	
	Departure:	Polling Place	REA 044		
Documentation of Reported Problem or Observation			Documentation of Support Steps & Problem Resolution (not necessary for observations)		
<p>- PJ advised that they had constant issues feeding ballots. *Removed from line due to the unreliability</p>					
Original Equipment S/N:		B2014417111		Replacement Equipment S/N:	
Followup:					
Date/Time:				Poll Worker Contacted	
Follow-up Feedback Received:					
<small>(Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?)</small>					

Polling Place Troubleshooting & Observation Log

Log #: 03/01/22
(LOG # COMES FROM HELP DESK)

Date:		Jurisdiction:	Harris County	Troubleshooting Technician:	Azmiria Mahmood
Purpose of Call (circle one):		TROUBLESHOOTING		or <input type="checkbox"/> OBSERVATION	
Time:	Arrival:	Pct #	RSW066	Poll Worker Contacted	
	Departure:	Polling Place	HCC West Loop South		
Documentation of Reported Problem or Observation			Documentation of Support Steps & Problem Resolution (not necessary for observations)		
<p>- Paper jam + not reading second paper. - difficulty in doing polls.</p>			<p>- tried to put everything down, shut down, restart, open polls, close polls + ballots + prints (B22-164320) (B211678612)</p>		
Original Equipment S/N:				Replacement Equipment S/N:	
Followup:					
Date/Time:				Poll Worker Contacted	
Follow-up Feedback Received:					
<small>(Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?)</small>					

Figure 28: Polling Place Troubleshooting & Observation Ticket for March 1, 2022

Polling Place Troubleshooting & Observation Log

Log #: (LOG # COMES FROM HELP DESK)

Date:	5/24/22	Jurisdiction:	Harris County	Troubleshooting Technician:	ANAZ MERCHANT
Purpose of Call (circle one):		TROUBLESHOOTING		or <input type="checkbox"/> OBSERVATION	
Time:	Arrival: 1:30	Pct #	R5047	Poll Worker Contacted	AK Jennifer Matthews J
	Departure: 2:35	Polling Place			
Documentation of Reported Problem or Observation			Documentation of Support Steps & Problem Resolution (not necessary for observations)		
<p>CONTROLLER WAS MALFUNCTIONING</p>			<p>• Spoke to Frank & was told to swap out the controller • INSTALLED NEW CONTROLLER & ENJOINED ALL VOTING BOOTH WERE UP & RUNNING</p>		
Original Equipment S/N:		C2115335407		Replacement Equipment S/N:	
Followup:					
Date/Time:				Poll Worker Contacted	
Follow-up Feedback Received:					
<small>(Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?)</small>					

Polling Place Troubleshooting & Observation Log

Log #: (LOG # COMES FROM HELP DESK)

Date:	05/24/22	Jurisdiction:	Harris County	Troubleshooting Technician:	William Parke
Purpose of Call (circle one):		TROUBLESHOOTING		or <input type="checkbox"/> OBSERVATION	
Time:	Arrival: 09:55am	Pct #	D91125	Poll Worker Contacted	Alan Foster
	Departure: 10:05am	Polling Place	West Loop In How WBS/Pool Center		
Documentation of Reported Problem or Observation			Documentation of Support Steps & Problem Resolution (not necessary for observations)		
<p>All 3 Doors show "No Controller Found"</p>			<p>1) Checked all verify cable connections 2) Tried replacing 15 verify cable 3) Rebooted Controller & all 3 Doors 4) Replaced Controller</p>		
Original Equipment S/N:		C2014007504		Replacement Equipment S/N:	
Followup:					
Date/Time:				Poll Worker Contacted	
Follow-up Feedback Received:					
<small>(Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?)</small>					

Figure 29: Polling Place Troubleshooting & Observation Ticket for May 24, 2022

Polling Place Troubleshooting & Observation Log			
Log #: Tia	* called helpdesk 9:37, answered at 9:45A, updated		
Date: 11/8/22	Jurisdiction: Harris County	Troubleshooting Technician: Keaton Morris / Kendall Clark	
Purpose of Call (circle one): <u>TROUBLESHOOTING</u> or <u>OBSERVATION</u>			
Time: Arrival: 11:30A	Pct #: 2120	Poll Worker Contacted:	
Departure: 11:40A	Polling Place: Norwalle Elementary		
Documentation of Reported Problem or Observation	Documentation of Support Steps & Problem Resolution (not necessary for observations)		
Jammed 3x, rebooted 4x and machine would jam everytime someone voted. Jr. Tech went ahead & shut down machine, replaced with replacement Duo.			
Original Equipment S/N: B2113456408	Replacement Equipment S/N: B211491905		
Follow-up:			
Date/Time: 11/8/22 9:26A	Poll Worker Contacted:	Kendall Clark	
Follow-up Feedback Received:	All good on next round.		
Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?			

Polling Place Troubleshooting & Observation Log			
Log #:	updated		
Date: 11/8/22	Jurisdiction: Harris County	Troubleshooting Technician: Ashruti Patel	
Purpose of Call (circle one): <u>TROUBLESHOOTING</u> or <u>OBSERVATION</u>			
Time: Arrival: 1:00	Pct #: 52039	Poll Worker Contacted:	James
Departure:	Polling Place: 52039		
Documentation of Reported Problem or Observation	Documentation of Support Steps & Problem Resolution (not necessary for observations)		
Paper was jamming in the equipment, tried to clean the printer and also rebooted the equipment.	Tried rebooting the equipment, also cleaned the printer but it still wasn't working so I had to replace the duo with the new one.		
Original Equipment S/N: 82013201302	Replacement Equipment S/N: B2114928804		
Follow-up:			
Date/Time:	Poll Worker Contacted:		
Follow-up Feedback Received:			
Reoccurrence of problem? Satisfaction with response to problem? Other observations/suggestions?			

Figure 30: Polling Place Troubleshooting & Observation Ticket for November 8, 2022

Ballots Placed in the Emergency Slot

Both the March 1, 2022 Primary Election and the November 8, 2022 General Election required the use of a two-page ballot in Harris County. Due to the severity of the equipment issues in scanning the second page of the ballot, Harris County indicated that the emergency procedure was used and ballots were placed in the emergency ballot slot.

Harris County provided a Hart Verity Central Batch Summary Report for all elections to identify the number of ballots that were placed in the emergency slot. The March 1, 2022 Primary Election reported 2,482 ballots being placed in the emergency slot and the November 8, 2022 General Election reported 1,073.

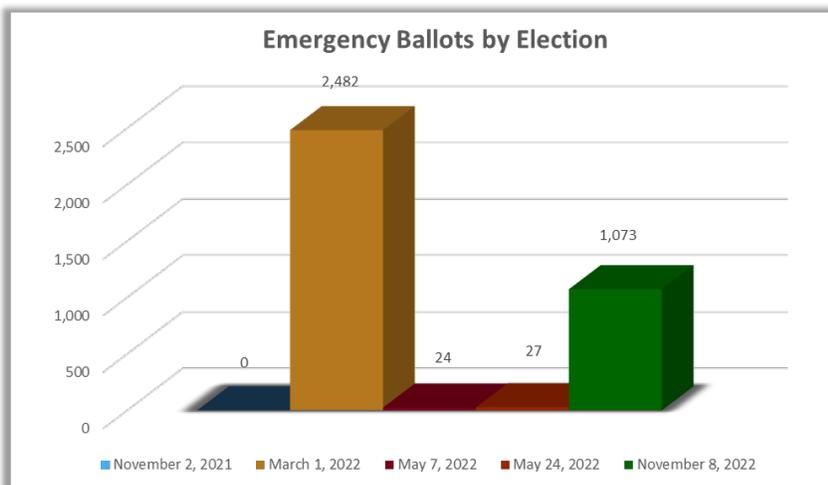


Figure 31: Emergency Ballots by Election

According to an analysis of the documentation provided by Harris County, 643 polling locations had ballots placed in the emergency slot across early voting and election day. In total for all statewide elections conducted during the audit period, Harris County had 3,606 ballots placed in the emergency slot largely due to the identified equipment malfunctions experienced at the polling locations.

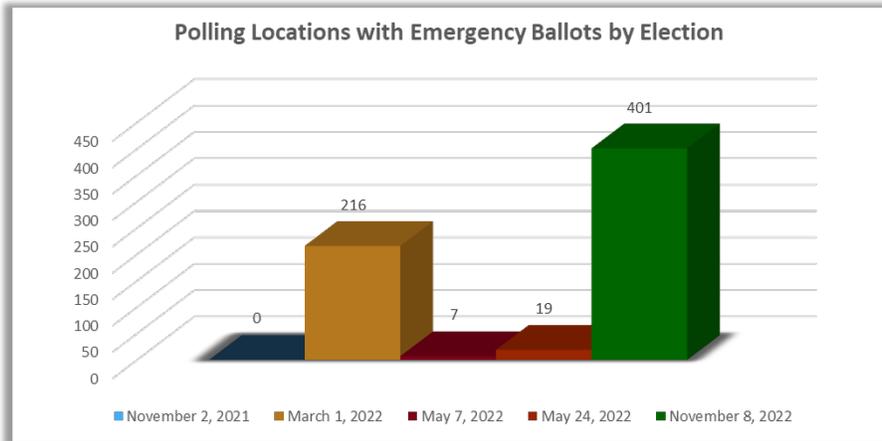


Figure 32: Emergency Ballots by Polling Location

Improper Equipment Assembly

A deeper review of the technician notes for the polling locations that requested assistance due to equipment issues revealed that, in many cases, the equipment was not set up properly at polling locations prior to the start of voting. Upon remediation of the equipment connections and set-up requirements, the equipment functioned as expected. Though the technician notes suggest that the only modification necessary was to realign cables or equipment at other locations, these numbers are based only on the notes that specifically identify a training issue.

The persistent reporting of these issues across elections indicates a strong need for additional training on the equipment and how to properly establish connections when setting up the equipment prior to the commencement of voting.

Ballot Paper Supply Issues

The March 1, 2022 Primary Election and the November 8, 2022 General Election were further complicated by shortages of ballot paper. A review of tickets indicated that this issue was caused by the insufficient initial allocation of ballot paper, the untimely delivery of missing ballot paper prior to the commencement of voting, and the exhaustion of paper due to damaged and spoiled ballots resulting from machine malfunctions. Due to this shortfall, some locations in Harris County experienced a legitimate fear by election workers that the location would run out of its ballot paper supply and, in some cases, a complete exhaustion of the supply which halted voting activities.

As previously mentioned, Harris County had a two-page ballot due to the number of races in the election for both elections. The county experienced widespread issues with damage to the

second page of the ballot due to paper jamming or the inability to properly scan the ballot. These issues are more effectively reflected by the number of spoiled ballots across the elections.

Spoiled Ballots

If a voter mismarks, damages, or otherwise spoils a ballot in the process of voting, the voter is entitled to receive a new ballot by returning the spoiled ballot to the election officer.³⁸ The election officer must maintain a register of spoiled ballots at the polling location that includes the voter's name and the spoiled ballot number.

Though the number of ballots spoiled per election reflects the impact of voting machine malfunctions, election worker error, and voter errors, the total number of spoiled ballots had a significant impact on the ballot paper supply at each location and, in some cases, the complete exhaustion of the ballot paper stock.

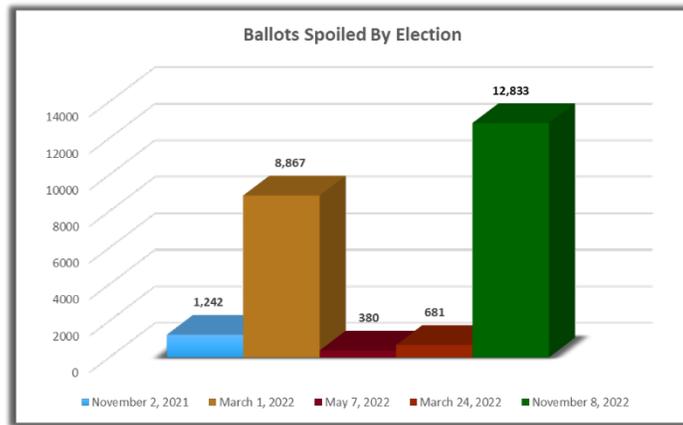


Figure 33: Spoiled Ballots by Election

A further breakdown of the data provided by Harris County related to number of ballots spoiled by election reveals consistency in the reason prompting the spoilage of the ballot. Across the board for all elections, the most common reason was due to equipment malfunctions.

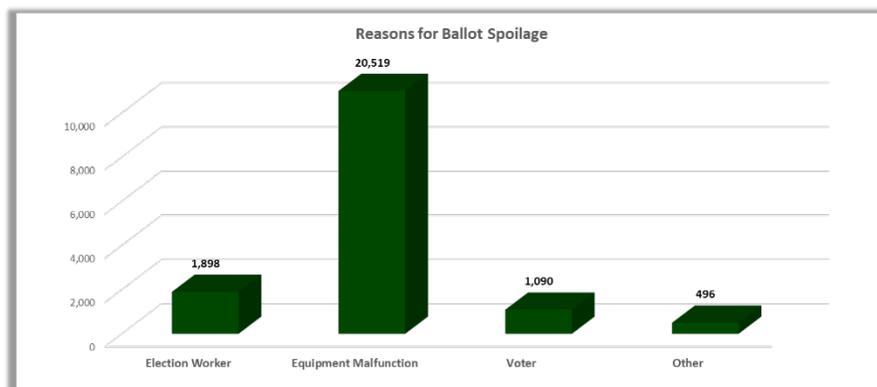


Figure 34: Reasons for Ballot Spoilage

³⁸ Tex. Elec. Code § 64.007.

Reallocation or Supplemental Distribution

According to Harris County officials, reallocation of supplies, and ballot paper, is determined by monitoring the Harris County Pollbook Console which reports turnout by polling location. Reports are generated twice a day during the early voting period to measure the amount of ballot paper being used. Harris County indicated that if the report reflected a location nearing a 50-60% usage mark, additional ballot paper supplies were distributed. However, during the November 8, 2022 General Election, Harris County reported that “the Pollbook Console runs at a fraction of its normal pace, due to an overloaded volume of queries being run and voter data being received” on election day. Therefore, “the pollbook console was effectively unusable for ED.”⁷²

Harris County maintains their ContentActive Pollbook system. Providing that this system is the mechanism by which the county monitors ballot paper supply on election day, the county must ensure that the system is fully operational. The inability to monitor ballot paper supply limited the county’s ability to proactively provide additional ballot paper and supplies to polling locations throughout the day on election day on November 8, 2022. However, concerns cited with other election day supplies in the audit period suggest this issue was not isolated to one election. Further, the audit team could not confirm that Harris County had any contingency plans in place specific to the failure of this monitoring tool.

Impact of Issues on Voting

To assess the impact of the equipment malfunctions and the shortage of ballot supply on the voters of Harris County, the audit team compared the technical response tickets to the voter check-in data provided by the county for the four statewide elections with the highest voter turnout. Though it is not unusual to see small gaps, particularly at locations with lower voter turnout, periods of no voting activity for an hour or more indicate potential impacts to voting.

In selecting the gap locations, the audit team carefully examined the voter turnout at each location to ensure that polling locations experiencing a lower voter turnout were not included. Therefore, the polling locations included in the gap study include polling locations that had at least one documented technical issue and at least one hour of no voter check-in activity.

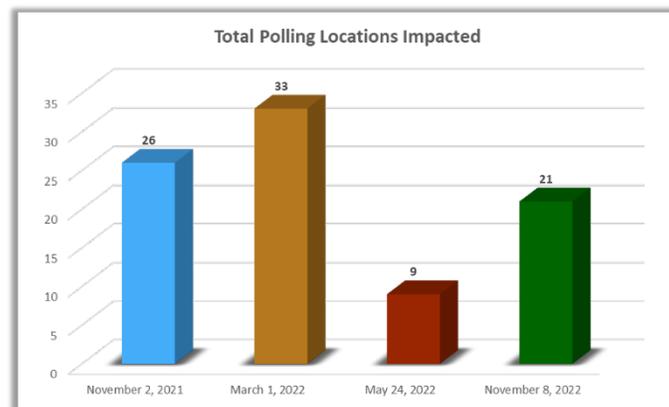


Figure 35: Total Polling Locations Identified during Gap Analysis

During the November 2, 2021 Special Election, 26 polling locations were identified as having a gap of one hour or more in voter activity. The associated technical reports for these locations indicated that 23 reported issues were due to equipment malfunctions. Three (3) reports were for missing equipment needed to open the polling location for voting. The issues identified resulted in 17 polling locations reporting the first voter check-in at least an hour after the polls should have opened and 9 of the locations experienced a gap in voting during the day due to equipment issues.

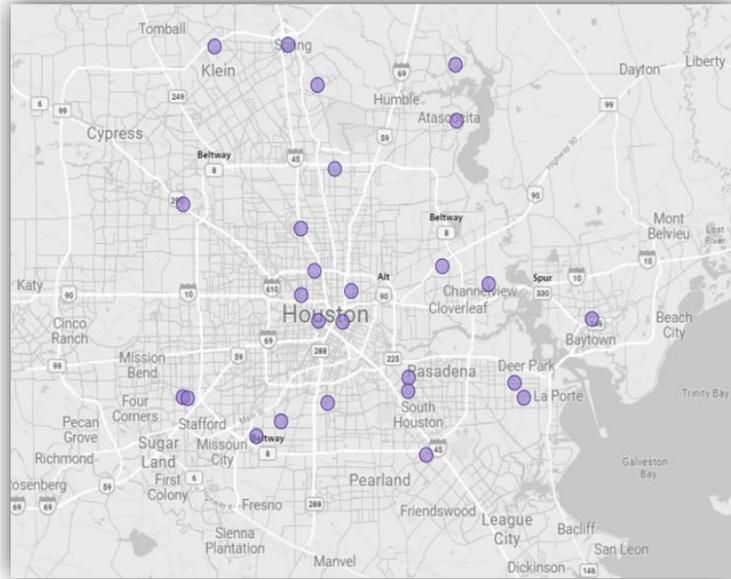


Figure 36: Geographical Impact for November 2, 2021 Election

The March 1, 2022 Primary Election had 33 locations with identified gaps of one hour or more in the voter check-in process. Of those, based on the corresponding technical ticket, 25 were due to equipment malfunctions, 1 was due to the untimely delivery of needed equipment, and 7 were requests for missing or additional ballot paper. The issues identified resulted in 19 polling locations receiving the first voter check-in at least one hour or more after the polling location should have opened and 12 locations experiencing a gap in voting during the day. Additionally, of the 33 locations identified, 13 were associated with the Democratic Primary while 20 were Republican Primary polling sites.

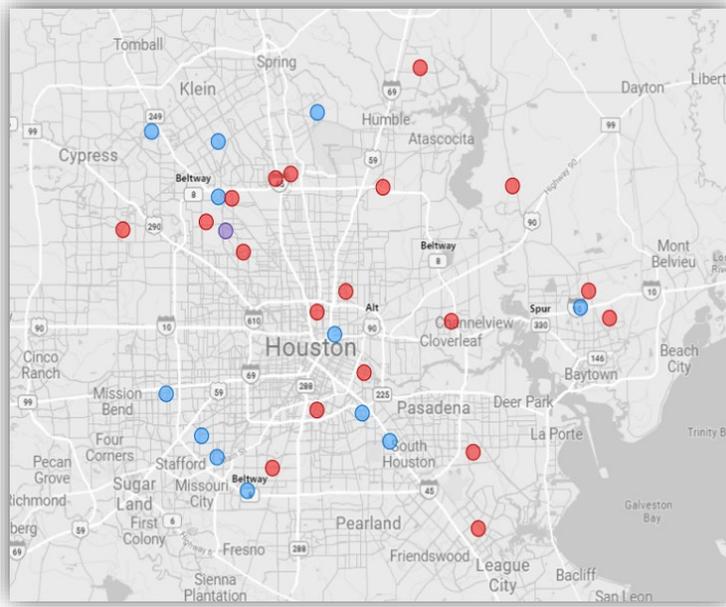


Figure 37: Geographical Impact for March 1, 2022 Election

Though the May 24, 2022 Primary Runoff had the least number of equipment and supply issues, 9 polling locations were identified with a gap in voting of one hour or more and a corresponding technical issue. Of those, 7 polling locations were for the Democratic Primary Runoff and 2 were for the Republican Primary Runoff. All 9 locations experienced issues due to voting equipment malfunctions. The issues identified resulted in 3 polling locations receiving the first voter check-in at least one hour after the polls opened and 6 locations experienced a gap in voting during the day.

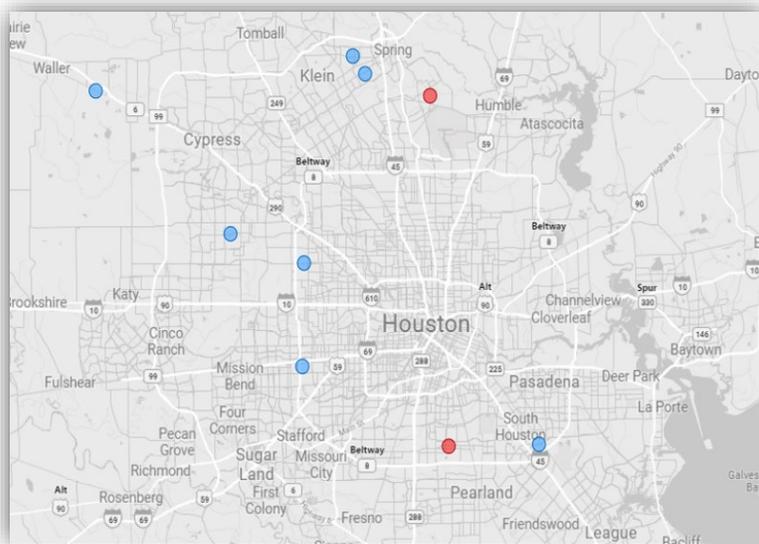


Figure 38: Geographical Impact for May 24, 2022 Election

Finally, as cited in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#),³⁹ the November 8, 2022 General Election initially identified 38 polling locations showing an hour or more gap in voting activities. However, in matching the gaps identified in voting at those locations and corresponding technical support tickets as well as removing those locations that exhibited lower voter turnout, 21 locations were identified for this in-depth review. Of the 21 locations, 14 locations experienced equipment malfunctions or failure. Of the remaining 7 locations, 4 did not have the appropriate equipment delivered in a timely manner and 3 did not have ballot paper delivered in time to properly set up the polling location prior to 7:00 a.m.

Additionally, of the 21 locations that were identified as having gaps in voter check-ins included in this analysis, at least 4 of the locations reported paper shortages that directly coincide with the gaps of voter check-in according to the documentation provided. Though these 4 locations are certainly not the only polling locations that experienced a shortage of ballot paper, the audit team was able to confirm through this analysis that the shortage in these locations had a direct impact on voting.

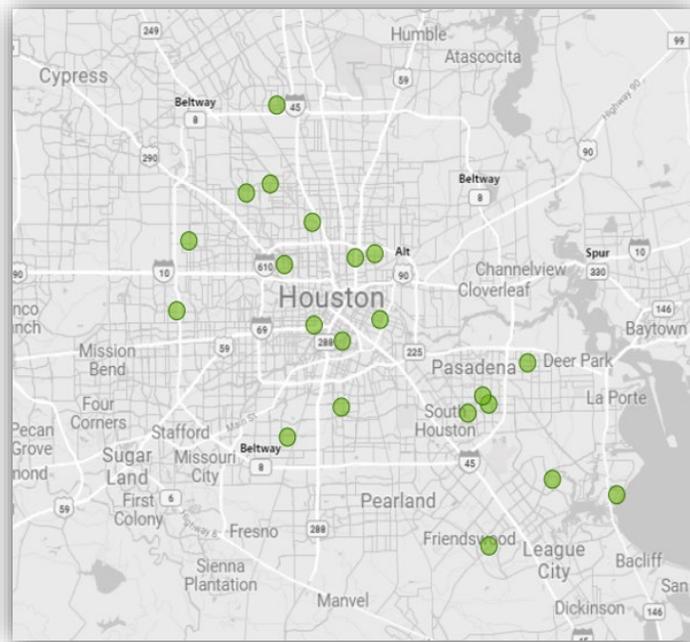


Figure 39: Geographical Impact for November 8, 2022 Election

Persistent equipment issues and diminishing ballot supplies impacted the administration of elections in Harris County and directly impacted voting in elections conducted during the audit period. Based on the technical notes reviewed, election judges and workers struggled in setting up equipment that resulted in the late opening of polling locations. Untimely delivery of equipment and supplies identified days prior to election day further delayed the opening of polling locations. The failure to consider the continual equipment issues in the preparation of

³⁹ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 43, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

supplies, specifically ballot paper, led to additional gaps in voting following the depletion of all ballot paper.

Equipment malfunctions could have been addressed with more effective training for the election workers and the inclusion of troubleshooting guidance in the training material. The allocation of ballot paper could have been more carefully considered in light of the equipment challenges. Ultimately, Harris County must address the lack of training related specifically to the set-up and operation of equipment and must better prepare polling locations with the equipment and supplies necessary to successfully conduct voting at each polling location.

CHAIN OF CUSTODY

Findings

- A review of polling location and chain of custody forms in Harris County indicated a systemic issue across all elections with either missing or incomplete documentation or the required retention of these records.
- Harris County did not have consistent procedures for reviewing paperwork completed by election judges during the return of equipment, supplies, and polling location forms. The county should incorporate a more substantial review of paperwork on election night when supplies are delivered to the central counting station. These additional measures would allow the county to validate electronic records, complete a more thorough reconciliation, and troubleshoot missing data while in the presence of polling place workers who can answer questions related to the polling place paperwork.

Overview

Establishing a detailed and transparent chain of custody documentation trail for election systems and ballots is critical to the security and integrity of the entire election process. Election officials must develop a procedure for tracking the custody of election system equipment and electronic storage media from storage location, to programming, through the entire election process, and final return to storage.⁴⁰

A thorough examination of the chain of custody documentation used by Harris County during the audit period was conducted. A chain of custody analysis for the November 8, 2022 General Election is detailed in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#).⁴¹ Though issues identified across all elections will be cited in this section, the chain of custody process will be demonstrated in this report utilizing the forms and procedures in place for the March 1, 2022 Primary Election.

Methodology

For the purpose of this analysis, election activities have been grouped into six (6) categories. The chain of custody documentation provided by Harris County was reviewed to ensure compliance with the law as well as the implementation of best practices related to election security to protect the integrity of voting system equipment, ballots, and election results.

⁴⁰ Tex. Elec. Code § 129.051.

⁴¹ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 48, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

The six (6) categories include:

1. Pre-Election Testing;
2. Distribution of Equipment & Supplies;
3. Opening the Polls;
4. Securing the Polls;
5. Closing the Polls; and
6. Return of Equipment & Supplies.

To present an in-depth analysis of the chain of custody protocols in Harris County for the March 1, 2022 Primary Election, 20 polling locations were reviewed. The analysis included 10 polling locations for the Democratic Primary Election and 10 locations for the Republican Primary Election. Reports and chain of custody documentation were inspected for all election equipment including:

- Verity Scan (Hart);
- Verity Scan Ballot Box (Hart);
- Verify Duo (Hart);
- Verity Duo Go (Hart);
- Verify Controller (Hart); and
- ePollbooks (ContentActive).

Additionally, all polling location reports and forms that track the location and security of this equipment and supplies throughout the election process were reviewed including:

- register of official ballots/
ballot and seal certificates;
- seal logs;
- zero totals reports;
- results report;
- delivery tickets;
- audit logs;
- electronic media device reports;
- inventory/distribution of voting
equipment; and
- all chain of custody forms.

1. Pre-Election Testing

A public test of logic and accuracy (L&A) must be conducted before all elections and must be completed no later than 48 hours before voting begins on the voting system.⁴² This testing is intended to verify that votes cast for a given race, contest, or measure are tabulated to produce accurate results. This ensures that a selection made by a voter is counted as intended by that voter. During the public L&A test, the general custodian of election records is also required to demonstrate, using a representative sample of voting system equipment, that the source code

⁴² Tex. Elec. Code § 129.023.

of the equipment has not been altered.⁴³ This software validation process occurs through hash validation.⁴⁴

Harris County posts notice for all public L&A testing on their website and in a newspaper in compliance with state law. For the March 1, 2022 Primary Election, the public test was conducted on January 13, 2022 at 9:00 a.m. at the Election Technology Center. The county uses a representative sample of all voting equipment for the testing.


OFFICE OF ISABEL LONGORIA
ELECTIONS ADMINISTRATOR
HARRIS COUNTY ★ STATE OF TEXAS


NOTICE OF THE LOGIC & ACCURACY TEST FOR THE MARCH 1, 2022 DEMOCRATIC PARTY AND REPUBLICAN PARTY PRIMARY ELECTIONS

Notice is hereby given that the Harris County Logic & Accuracy Testing Board for the March 1, 2022 Democratic Party and Republican Party Primary Elections will convene at the following dates and times for the purpose of accurately counting the votes cast for all offices and all propositions:

Date	Time	Location
January 13, 2022	9:00 a.m.	11525 Todd St., Suite #100, Houston, TX 77055

AVISO DE PRUEBA DE LÓGICA Y EXACTITUD PARA LAS ELECCIONES PRIMARIAS DEL 1 MARZO DEL PARTIDO DEMOCRATA Y PARTIDO REPUBLICANO

Por medio del presente se informa que el Comité de Pruebas de Lógica y Exactitud del Condado de Harris para las Elecciones Primarias del 1 marzo de 2022 del Partido Demócrata y Partido Republicano se reunirán en las siguientes fechas y horas con el propósito de contar con exactitud los votos emitidos para todas las oficinas y todas las proposiciones:

Fecha	Hora	Lugar
13 de enero de 2022	9:00 a.m.	11525 Todd St., Suite #100, Houston, TX 77055

THÔNG BÁO CỦA BAN KIỂM TRA LOGIC & CHÍNH XÁC CHO CUỘC BẦU CỬ SƠ BỘ CỦA ĐẢNG DÂN CHỦ VÀ ĐẢNG CỘNG HÒA NGÀY 1 THÁNG 3, 2022

Theo đây, chúng tôi xin thông báo rằng Ban Kiểm Tra Logic & Chính Xác Quận Harris cho Cuộc Bầu Cử Sơ Bộ Của Đảng Dân Chủ và Đảng Cộng Hòa Ngày 1 Tháng 3, 2022 sẽ bắt đầu họp vào các ngày giờ sau đây cho mục đích kiểm tra chính xác các phiếu bầu cho tất cả các chức vụ và các kế hoạch đề nghị:

Ngày	Giờ	Địa điểm
13 Tháng 1, 2022	9 giờ sáng	11525 Todd St., Suite #100, Houston, TX 77055

2022年3月1日民主黨和共和黨初選的邏輯和準確性測試公告

茲公告：Harris 縣 2022 年 3 月 1 日民主黨與共和黨初選的邏輯和準確性測試委員會將於下列時間及地點聚會，目的在於準確的計算所有投下的公職和議案選票：

日期	時間	地點
2022 年 1 月 13 日	上午 9:00	11525 Todd St., Suite #100, Houston, TX 77055


Isabel Longoria, Elections Administrator of Harris County
 Administradora de Elecciones del Condado de Harris
 Giám Đốc Điều Hành Ty Bầu Cử Quận Hạt Harris
 Harris 縣選務官

PUBLIC NOTICE OF TEST OF AUTOMATIC TABULATING EQUIPMENT

Notice is hereby given that the automatic tabulating equipment that will be used in the Democratic Party and Republican Party Primary Elections to be held on March 1, 2022, will be tested on January 13, 2022, at 9:00 a.m., at 11525 Todd St., Suite #100, Houston, TX 77055, to ascertain that it will accurately count the votes cast for all offices and all propositions.

AVISO PÚBLICO DE PRUEBA DEL EQUIPO DE TABULACIÓN AUTOMÁTICO

Por medio del presente se informa que el equipo de tabulación automático que se usará en las Elecciones Primarias del Partido Demócratico y Partido Republicano que se celebrará el 1 de marzo del 2022, se probará el 13 de enero del 2022 a las 9:00 de la mañana en 11525 Todd St., Suite #100, Houston, TX 77055, para asegurar que contará con exactitud los votos emitidos para todos los puestos y todas las proposiciones.

THÔNG BÁO CÔNG CHỨNG VỀ VIỆC KIỂM TRA THIẾT BỊ LẬP BẢNG TỰ ĐỘNG

Thông báo, thiết bị lập bảng kiểm phiếu tự động được dùng trong Cuộc Bầu Cử Sơ Bộ của Đảng Dân Chủ và Đảng Cộng Hòa Ngày 1 Tháng 3, 2022 sẽ được kiểm tra vào Ngày 13 Tháng 1, 2022 vào lúc 9 giờ sáng tại địa chỉ 11525 Todd St., Suite #100, Houston, TX 77055 để bảo đảm việc đếm phiếu bầu chính xác cho tất cả các chức vụ và kế hoạch đề nghị.

自動統計選票設備測試公告

茲公告於 2022 年 3 月 1 日所舉行的民主黨和共和黨初選時所使用的自動統計選票設備將於 2022 年 1 月 13 日上午 9:00，在 11525 Todd St., Suite #100, Houston, TX 77055 進行測試，以確保此一設備準確的計算所有投下的公職和議案選票。

ISABEL LONGORIA
 Elections Administrator of Harris County
 Administradora de Elecciones del Condado de Harris
 Giám Đốc Điều Hành Ty Bầu Cử Quận Hạt Harris
 Harris 縣選務官

Figure 40: Public Notice of Automatic Tabulation Testing

⁴³ Tex. Elec. Code § 129.023.

⁴⁴ Hash Validation Procedures for Logic and Accuracy Testing, Election Advisory No. 2022-30 (Sep. 19, 2022), <https://www.sos.state.tx.us/elections/laws/advisory2022-30.shtml>.

Once the testing was completed, Harris County completed the Certification of the 1st Test of Automated Tabulating Equipment. The audit team was not able to confirm whether the equipment used at the particular polling locations in this review were included in the representative sample required for the accuracy testing.

**CERTIFICATION OF 1st TEST OF
AUTOMATED TABULATING EQUIPMENT**

The Logic and Accuracy Test began on Jan 13, 2022 (Date) at 9:00 AM (time)
and was completed on Jan 20, 2022 (Date) at 2:45 PM (time).

By signing this document the members listed below certify that the Logic and Accuracy Test of the voting system (Hart Interivic; Verity System, Version 2.5) to vote and count the ballots for the **Primary Election** to be held on **March 1, 2022** was conducted by a pre-audited group of ballots marked to record a predetermined number of valid votes for each contest position as well as each precinct and ballot style was voted and was accurately counted. As prescribed by Texas Election Code Sec. 129.023 (d) the following methods were tested and resulted in a Successful Logic & Accuracy Test:

Successful	Not Successful	
✓		Testing Board directed to Cast Votes
✓		Undervotes for Each Race (where applicable)
✓		Overvotes for Each Race (where applicable)
✓/N/A		Write-In Votes (where applicable)
✓		Provisional Votes
✓		Scan, Controller and Duo Ballot Count Reset to Zero
✓		All Disability Voting Access Features and Duo Go Tested
✓		Tabulation of Actual Results Have Been Tabulated and Are Accurate

Isabel Longoria
Printed Name & Signature of Custodian of Election Records

Jessie Sue Feltz
Printed Name & Signature of Custodian of Automatic Tabulation Equipment or Assistant

Vince McKinney
Printed Name & Signature of Logic and Accuracy Test Board Member

NATHY KIMBERT
Printed Name & Signature of Logic and Accuracy Test Board Member

B. A. THOMAS
Printed Name & Signature of Logic and Accuracy Test Board Member

Cheryl Vonn
Printed Name & Signature of Logic and Accuracy Test Board Member

NOTE TO General Custodian of Election Records:
If the initial test was not successful, prepare a written record of the changes to the program, adjustments to the equipment and other actions taken to achieve a successful test and attach to this certification.

Figure 41: Certification of 1st Test of Automated Tabulating Equipment for Harris County

2. Distribution of Equipment and Supplies

The audit team was able to review the county distribution logs and identify the equipment assigned to all 10 locations. The log details equipment type, barcode or serial number, poll code, current status, linked seal numbers for assigned equipment, and the assignment date. The distribution log pertaining to McDougale Elementary School (NO111) is included below.

Barcode	Type	Election Code	Election Mode	Previous Status	Updated Status	Poll Code	Modified By	Modified On	Created By	Created On	Batch ID
x20001145412	Ballot Box	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
C2014358611	Controllor	322	Election Day	Available	Assigned	DNO111	afuselier	2/20/2022 1:04:00 PM	afuselier	2/20/2022 1:04:00 PM	21267
C2115151906	Controllor	322	Election Day	Available	Assigned	DNO111	afuselier	2/20/2022 1:04:00 PM	afuselier	2/20/2022 1:04:00 PM	21267
b2115932310	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115935610	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115948410	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115951710	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115952210	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115954210	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115955610	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
b2115962910	Duo	322	Election Day	Available	Assigned	DNO111	canthony	2/20/2022 5:45:00 PM	canthony	2/20/2022 5:45:00 PM	21318
S2014314010	Scan	322	Election Day	Available	Assigned	DNO111	jmcfarland	2/25/2022 9:47:00 PM	jmcfarland	2/25/2022 9:47:00 PM	22556
S2014460212	Scan	322	Election Day	Available	Assigned	DNO111	fmartinez2	3/2/2022 12:17:00 AM	fmartinez2	3/2/2022 12:17:00 AM	30240

Figure 42: Equipment Distribution List for McDougle Elementary School (NO111) for March 1, 2022 Democratic Primary

Barcode	Type	Election Code	Election Mode	Previous Status	Updated Status	Poll Code	Modified By	Modified On	Created By	Created On	Batch ID
x2000113612	Ballot Box	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
C2014349611	Controllor	322	Election Day	Available	Assigned	RNO111	afuselier	2/20/2022 1:05:00 PM	afuselier	2/20/2022 1:05:00 PM	21268
C2014357111	Controllor	322	Election Day	Available	Assigned	RNO111	afuselier	2/20/2022 1:05:00 PM	afuselier	2/20/2022 1:05:00 PM	21268
b2116022810	Duo	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
b2116032910	Duo	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
b2116141911	Duo	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
b2116167511	Duo	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
b2116167811	Duo	322	Election Day	Available	Assigned	RNO111	canthony	2/20/2022 5:51:00 PM	canthony	2/20/2022 5:51:00 PM	21319
s2014080206	Scan	322	Election Day	Available	Assigned	RNO111	fmartinez2	2/25/2022 3:56:00 PM	fmartinez2	2/25/2022 3:56:00 PM	22408

Figure 43: Equipment Distribution List for McDougle Elementary School (NO111) for March 1, 2022 Republican Primary

Harris County completed a delivery ticket listing the equipment for each polling location. The audit team was able to locate and review the delivery tickets for all locations. According to the delivery ticket below, Harris County transported the listed equipment to McDougle Elementary School (NO111) on February 22, 2022. Though the delivery ticket outlines the quantity of items received, it does not specify the serial numbers specifically for the voting equipment. The forms were signed and dated signifying delivery and receipt.

Election Day Office of Elections Administrator Isabel Longoria
Printed: 11:06:15 AM

Route 39 Stop 1 PollCode RNO111 Primary Election 3/1/2022 12:00 AM

McDougle Elementary School
10410 Kansack Lane
Houston TX 77086
Contact: Monica-Gerosa-staff
Contact Number: 832-484-6800
KeyMap 370Z
Driver Instruction

Election Equipment			
Controller	2	Caddy	1
Duo	5	Sneeze Guards	4
Scan	1	ADA Bell	1
Ballot Box	1	Base	1
IPad	3	Duo Go	1
MP70V	0	Tables	0
		Sani Station	0
		Chairs	0
		Small Table	1
		PPE Tub	0
		ADA Carkev	0

Location: _____
Delivered By: [Signature]
Date/Time Del: 2-22-22 8:56p

Received By: [Signature]
Date/Time: 8:55 2-22-22

Keep this copy for the Election Technology Center
Rev. 9-24-2021 Delivery Tickets

Election Day Office of Elections Administrator Isabel Longoria
Printed: 11:06:15 AM

Route 39 Stop 2 PollCode DNO111 Primary Election 3/1/2022 12:00 AM

McDougle Elementary School
10410 Kansack Lane
Houston TX 77086
Contact: Monica-Gerosa-staff
Contact Number: 832-484-6800
KeyMap 370Z
Driver Instruction

Election Equipment			
MP70V	0	Caddy	2
Ballot Box	1	Sneeze Guards	4
IPad	3	ADA Bell	1
Scan	1	Base	1
Duo	8	Duo Go	1
Controller	2	Tables	0
		Sani Station	0
		Chairs	0
		Small Table	1
		PPE Tub	0
		ADA Carkev	0

Location: _____
Delivered By: [Signature]
Date/Time Del: 2-22-22 8:56p

Received By: [Signature]
Date/Time: 8:55 2/22/22

Keep this copy for the Election Technology Center
Rev. 9-24-2021 Delivery Tickets

Figure 44: Harris County Delivery Ticket for McDougle Elementary School (NO111)

Harris County officials provided an overview of the transport process of all election equipment. Voting machines and equipment are packed into a transport caddy. Once packed, the caddy is locked and sealed for transport. The county uses a trucking vendor to move equipment to polling locations prior to elections. However, all trucks are also accompanied by county election personnel to monitor delivery and ensure arrival at correct polling location. All trucks are loaded, locked, and sealed with equipment being delivered the same day. The county does not authorize overnight storage in transport vehicles. According to Harris County, accurate chain of custody documentation is maintained throughout the process as well as delivery tickets and seal logs.



Figure 45: Harris County Equipment Caddy

According to the county procedures as listed in the training materials, seals are utilized on all election equipment during the transport process to ensure no unauthorized access. Each seal, containing a specific seal number, should be logged upon application and used as verification at the polling location or transport of the equipment or ballots. All seals are maintained in envelopes dedicated for that purpose as an added security measure. The documentation for McDougle Elementary School (NO111) included an equipment caddy seal log as indicated below. This information includes the date, the seal numbers, and the signature of both the presiding and alternate judge.

According to the instructions listed on the actual form, the judge is responsible for verifying the seal on election day and the seal is retained in an envelope. The caddy remains unsealed throughout the day and is locked and sealed at the conclusion of voting. The log is updated with the final seal number and returned to allow for verification when the equipment is picked up by county personnel and transported back to the storage facility.

Of the polling location documentation reviewed, only 20% of the polling locations had a completed equipment caddy seal log. The audit team could not conclusively determine if the seal log was not completed or if the county failed to retain this information in a secure an organized matter according to the county retention policies.

- Controller not functioning;
- Missing power cords for equipment; and
- Not receiving all necessary equipment and supplies prior to the opening of the polling location.

Figure 47: Harris County Opening the Vote Center Checklist for the March 1, 2022 Primary Election

Once the equipment is set up and prior to any ballots being cast, the presiding judge must print a report from the Verity Controller and the Verity Scan to ensure that the counter is set to zero. This report, known as a “zero” report or tape, is printed on the first day of early voting and on election day.

March 1, 2022
Primary Election
McDougle Elementary School
Poll Code: DN0111
ZERO TAPES

White Controller Tape	Pink Controller Tape	Purple Scan Tape
<p>White Controller</p> <p>Primary Election Election Date: 3/1/2022 Harris County, Texas NO1111 Election Day Verity Controller SN: C20240811 Version: 2.0.1 Ballot Counter: 0 Lithium Counter: 120</p> <p>Ballot Counter Report Date & Time Printed: 03/01/2022 8:21 AM Lithium Counter: 0</p> <p>Ballot Counter Summary Report Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name</p> <p><i>OFFICE MANAGER DANIEL J. WILSON</i></p>	<p>No Tape</p>	<p>Purple Scan</p> <p>Primary Election Election Date: 3/1/2022 Harris County, Texas NO1111 Election Day Verity Scan SN: E20241410 Version: 2.0.1 Ballot Counter: 0 Lithium Counter: 0</p> <p>Ballot Counter Report Date & Time Printed: 03/01/2022 8:47 AM Lithium Counter: 0</p> <p>Ballot Counter Summary Report Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name <i>Daniel J. Wilson</i></p>

Figure 48: Zero Totals Report for McDougle Elementary School (NO111) for the March 1, 2022 Democratic Primary Election

March 1, 2022
Primary Election
McDougle Elementary School
Poll Code: RN0111
ZERO TAPES

White Controller Tape	Pink Controller Tape	Purple Scan Tape
<p>White Controller</p> <p>Primary Election Election Date: 3/1/2022 Harris County, Texas NO1111 Election Day Verity Controller SN: C20240811 Version: 2.0.1 Ballot Counter: 0 Lithium Counter: 120</p> <p>Ballot Counter Report Date & Time Printed: 03/01/2022 8:28 AM Lithium Counter: 0</p> <p>Ballot Counter Summary Report Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name</p> <p><i>OFFICE MANAGER DANIEL J. WILSON</i></p>	<p>Pink Controller</p> <p>Primary Election Election Date: 3/1/2022 Harris County, Texas NO1111 Election Day Verity Controller SN: C20240811 Version: 2.0.1 Ballot Counter: 0 Lithium Counter: 120</p> <p>Ballot Counter Report Date & Time Printed: 03/01/2022 8:28 AM Lithium Counter: 0</p> <p>Ballot Counter Summary Report Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name</p> <p><i>OFFICE MANAGER DANIEL J. WILSON</i></p>	<p>Purple Scan</p> <p>Primary Election Election Date: 3/1/2022 Harris County, Texas NO1111 Election Day Verity Scan SN: E20240810 Version: 2.0.1 Ballot Counter: 0 Lithium Counter: 220</p> <p>Ballot Counter Report Date & Time Printed: 03/01/2022 8:37 AM Lithium Counter: 0</p> <p>Ballot Counter Summary Report Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name</p> <p>Non Partisan Printed: 0 Open: 0 In Progress: 0 Expired: 0 Deactivated: 0 Spooled: 0</p> <p>Identify the serial #, tag and monitor (SN) and the name</p> <p><i>OFFICE MANAGER DANIEL J. WILSON</i></p>

Figure 49: Zero Totals Report for McDougle Elementary School (NO111) for the March 1, 2022 Republican Primary Election

Of the locations reviewed, 80% of the locations turned in all of the required closing tapes for the assigned equipment and none of the submitted forms included the required signatures.

On election day, after printing the final tapes, Harris County procedures require the election judges to complete the Ballot and Seal Certificate/Register of Official Ballots form, which includes a breakdown of the number of voters who checked in on the pollbook, number of spoiled ballots, number of unused ballots, number of unused ballots already signed, and number of provisional ballots. Additionally, this form includes a log of the zero tape and the total number of votes cast according to the Verity Scan and the Verity Controller. The form requires a signature of both the presiding judge and alternate judge.

Of the locations included in this review, 95% of the locations turned in the Ballot and Seal Certificate/Register of the Official Ballots form. However, of those forms turned in, and 75% were incomplete and 25% did not include both signatures as required.

RECONCILIATION LOG - HARRIS COUNTY ELECTIONS
Ballot & Seal Certificate / Register of Official Ballots

INSTRUCTIONS: This is the most important form completed by the ELECTION JUDGES. Please fill in each of the lines below and sign the form.

Poll Code: NO111 Presiding Judge's Signature: [Signature]
 Election Title: Rep P Alternate Judge's Signature: [Signature]
 Date of Election: 3-1-22

Register of Official Ballots:

When to Record	What information to record	Number
Before polls open	Number of ballots received (total number of blank ballot paper received)	
When occurs	Number of additional ballots received, if any (total number of additional blank ballot paper provided by EA Office)	
After polls close	Number of voters who checked into the ePollbook	
After polls close	Number of spoiled ballots returned by voters (from Spoiled Ballot Log)	
After polls close	Number of unused ballots already signed by judge (total number of blank ballot paper signed by judge remaining)	
After polls close	Number of unused ballots (total number of blank ballot paper remaining)	
After polls close	Number of provisional ballots (total number of provisional affidavits)	

Reconciliation Information:

Scan (Purple Report/Tape)

When to record	Where information is located	Ballot Counter #
Start of Day (AM)	Zero Report	0
Start of Day (AM)	Open Polls Report	0
End of Day (PM)	Close/Suspend Polls Report	61

Controller (White Report/Tape)

When to record	Where information is located	Ballot Counter #	Provisional numbers
Start of Day (AM)	Zero Report	0	
Start of Day (AM)	Open Polls Report	0	
End of Day (PM)	Close/Suspend Polls Report	34	

Controller (Pink Report/Tape)

When to record	Where information is located	Ballot Counter #	Provisional numbers
Start of Day (AM)	Zero Report	0	
Start of Day (AM)	Open Polls Report	0	
End of Day (PM)	Close/Suspend Polls Report	29	

WHITE COPY - Place in White Envelope 2 - RETURN TO ELECTIONS ADMINISTRATOR
 PINK COPY - Place in Pink Envelope 3
 BLUE COPY - Place in Scan

Figure 56: Reconciliation Form for McDougle Elementary School (NO111) for the March 1, 2022 Republican Primary

RECONCILIATION LOG - HARRIS COUNTY ELECTIONS
Ballot & Seal Certificate / Register of Official Ballots

INSTRUCTIONS: This is the most important form completed by the ELECTION JUDGES. Please fill in each of the lines below and sign the form.

Poll Code: DNO111 Presiding Judge's Signature: [Signature]
 Election Title: Primary Alternate Judge's Signature: [Signature]
 Date of Election: 3/1/22

Register of Official Ballots:

When to Record	What information to record	Number
Before polls open	Number of ballots received (total number of blank ballot paper received)	300
When occurs	Number of additional ballots received, if any (total number of additional blank ballot paper provided by EA Office)	
After polls close	Number of voters who checked into the ePollbook	
After polls close	Number of spoiled ballots returned by voters (from Spoiled Ballot Log)	53
After polls close	Number of unused ballots already signed by judge (total number of blank ballot paper signed by judge remaining)	0
After polls close	Number of unused ballots (total number of blank ballot paper remaining)	7
After polls close	Number of provisional ballots (total number of provisional affidavits)	240
After polls close	Number of provisional ballots (total number of provisional affidavits)	0

Reconciliation Information:

Scan (Purple Report/Tape)

When to record	Where information is located	Ballot Counter #
Start of Day (AM)	Zero Report	0
Start of Day (AM)	Open Polls Report	0
End of Day (PM)	Close/Suspend Polls Report	55

Controller (White Report/Tape)

When to record	Where information is located	Ballot Counter #	Provisional numbers
Start of Day (AM)	Zero Report	0	
Start of Day (AM)	Open Polls Report	0	
End of Day (PM)	Close/Suspend Polls Report	55	

Controller (Pink Report/Tape)

When to record	Where information is located	Ballot Counter #	Provisional numbers
Start of Day (AM)	Zero Report	0	
Start of Day (AM)	Open Polls Report	0	
End of Day (PM)	Close/Suspend Polls Report	55	

WHITE COPY - Place in White Envelope 2 - RETURN TO ELECTIONS ADMINISTRATOR
 PINK COPY - Place in Pink Envelope 3
 BLUE COPY - Place in Scan

Figure 57: Reconciliation Form for McDougle Elementary School (NO111) for the March 1, 2022 Democratic Primary

6. Return of Voting Equipment and Supplies

At the conclusion of early voting and on election day, the election judge is responsible for returning the election supplies to the central counting station. This includes all ballots cast at the polling place, any electronic media with records of votes cast, polling location forms, daily reconciliation forms, and election equipment and supplies as instructed by the election office.

Harris County procedures indicate that on election day, the ballot bag containing all voted ballots, ballot box, and Verity Scan are packed together for return. Additionally, pollbooks, routers, unused ballot paper, judge's supply box, and all required completed election day voting envelopes containing required chain of custody forms are returned. All equipment and ballots are sealed and seal numbers are logged and signed by the presiding judge and alternate judge.

Primary Election
3/1/2022

Chain of Custody Form - Election Day

Prior to Supply Handout:
PollCode: NO111 Scan Serial # 5249460212 vDrive Door Seal: 09115
Supply Handout:
Scan Outer Seal Number: 100935 (Write in Seal number)
Kombani Signature of EA Staff Member _____ Signature of Presiding Judge _____

Election Day Morning prior to opening:
Scan Outer Seal Unbroken? Yes / No (Circle One)
Scan Outer Seal Number Match Above Number? Yes / No (Circle One)
Scan Serial Number Match Above Number? Yes / No (Circle One)
vDrive Door Seal Unbroken? Yes / No (Circle One)
vDrive Door Seal Number Match Above Number? Yes / No (Circle One)
(If No is checked for any of the above questions, please call 713-755-1617, page 5 for tech line)
David Williams Signature Presiding Judge _____
Robert Jones Signature Alternate Judge _____

Election Day Night, after closing:
Scan Outer Seal Number: 1017532 Ballot Bag Seal: 1047540 (Write in Seal Numbers)
David Williams Signature Presiding Judge _____
Robert Jones Signature Alternate Judge _____

FOR OFFICE USE ONLY

Drop Off Location:
Scan Outer Seal Number Unbroken? Yes / No (Circle One)
Scan Outer Seal Number Match Above Number? Yes / No (Circle One)
Scan Serial Number Match Above Scan Serial Number? Yes / No (Circle One)
vDrive Door Seal Unbroken? Yes / No (Circle One)
vDrive Door Seal Number Match Above Scan Door Seal Number? Yes / No (Circle One)
David Williams Signature Presiding Judge _____
Robert Jones Signature EA Staff Member _____

Record comments on back of form

Figure 58: Chain of Custody Form – Election Day for McDougle Elementary School (NO111) for the March 1, 2022 Democratic Primary

Primary Election
3/1/2022

Chain of Custody Form - Election Day

Printed: 2/26/2022 11:42:54

Prior to Supply Handout:
PollCode: RNO111 Scan Serial # 52014080206 vDrive Door Seal: 026336
Supply Handout:
Scan Outer Seal Number: 104588 (Write in Seal number)
Antonio Lopez Signature of EA Staff Member _____ Signature of Presiding Judge _____

Election Day Morning prior to opening:
Scan Outer Seal Unbroken? Yes / No (Circle One)
Scan Outer Seal Number Match Above Number? Yes / No (Circle One)
Scan Serial Number Match Above Number? Yes / No (Circle One)
vDrive Door Seal Unbroken? Yes / No (Circle One)
vDrive Door Seal Number Match Above Number? Yes / No (Circle One)
(If No is checked for any of the above questions, please call 713-755-1617, page 5 for tech line)
Antonio Lopez Signature Presiding Judge _____
Antonio Lopez Signature Alternate Judge _____

Election Day Night, after closing:
Scan Outer Seal Number: 104580 Ballot Bag Seal: 1016857 (Write in Seal Numbers)
Antonio Lopez Signature Presiding Judge _____
Antonio Lopez Signature Alternate Judge _____

FOR OFFICE USE ONLY

Drop Off Location:
Scan Outer Seal Number Unbroken? Yes / No (Circle One)
Scan Outer Seal Number Match Above Number? Yes / No (Circle One)
Scan Serial Number Match Above Scan Serial Number? Yes / No (Circle One)
vDrive Door Seal Unbroken? Yes / No (Circle One)
vDrive Door Seal Number Match Above Scan Door Seal Number? Yes / No (Circle One)
Antonio Lopez Signature Presiding Judge _____
Antonio Lopez Signature EA Staff Member _____

Record comments on back of form

Figure 59: Chain of Custody Form – Election Day for McDougle Elementary School (NO111) for the March 1, 2022 Democratic Primary

Based on a review of this documentation across multiple elections, the audit team was unable to confirm that all of the polling location forms and critical chain of custody documentation are being consistently completed and signed where required.

Harris County did not provide any insight into the review of this information when it is returned by the election judge to ensure that all forms are completed in their entirety. Without accurately completed forms, the county has no additional point of reference for reconciliation activities beyond the electronic media.

VOTING BY MAIL

Findings

- Harris County did not accurately report rejected applications for ballot by mail to the statewide system for all elections conducted during the audit period.
- Harris County failed to accurately report rejected applications for ballot by mail to the statewide system, thereby preventing the voters of Harris County from utilizing the Ballot by Mail Tracker as a method to electronically correct identified issues.
- Harris County must review all information submitted by voters through the Ballot by Mail Tracker as part of the corrective action process to ensure that corrected information is presented to the ballot board for consideration.

Applications for Ballot by Mail

According to data submitted by Harris County, the audit team was able to identify and track the applications for ballot by mail for each election. According to data reviewed, a total of 341,110 applications for ballot by mail were submitted in Harris County for the following elections in this audit cycle.

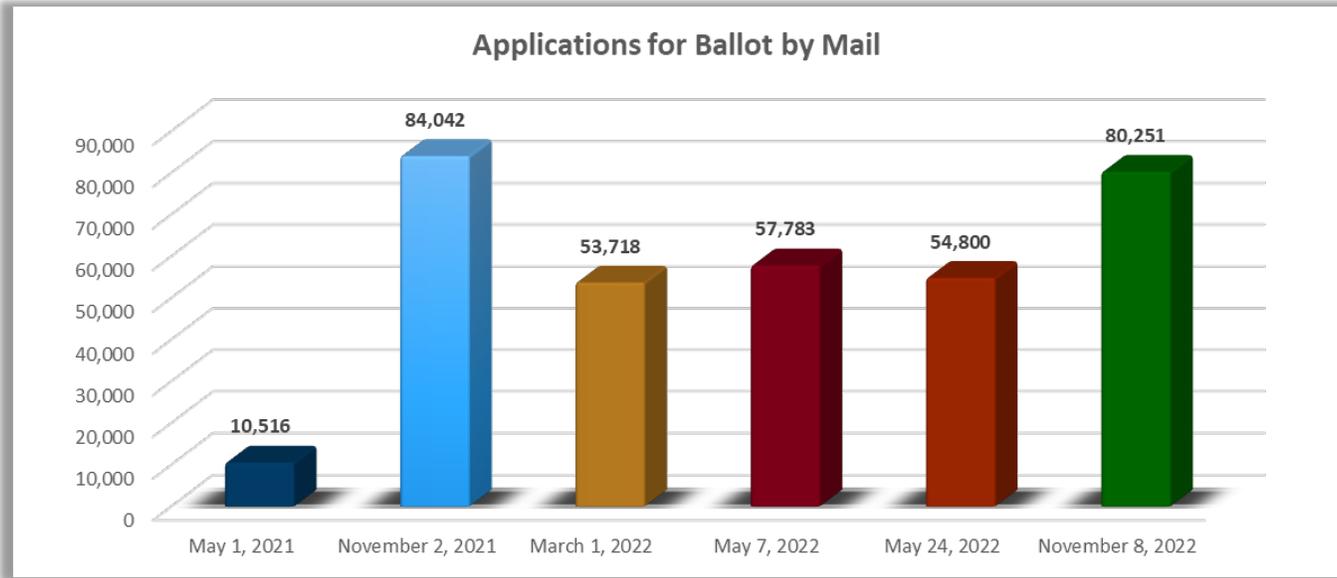


Figure 60: Applications for Ballot by Mail by Election

Accepted vs. Rejected Applications

Of the 341,110 applications for ballot by mail received, 333,784 applications were accepted after review by the county. 7,326 applications for ballot by mail were rejected by the county.

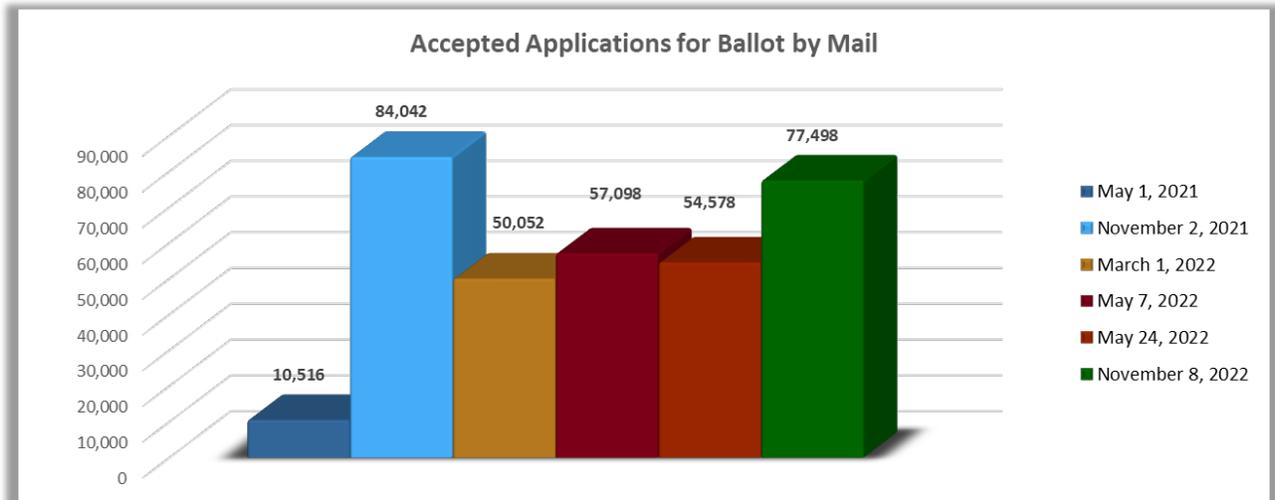


Figure 61: Accepted Applications for Ballot by Mail by Election

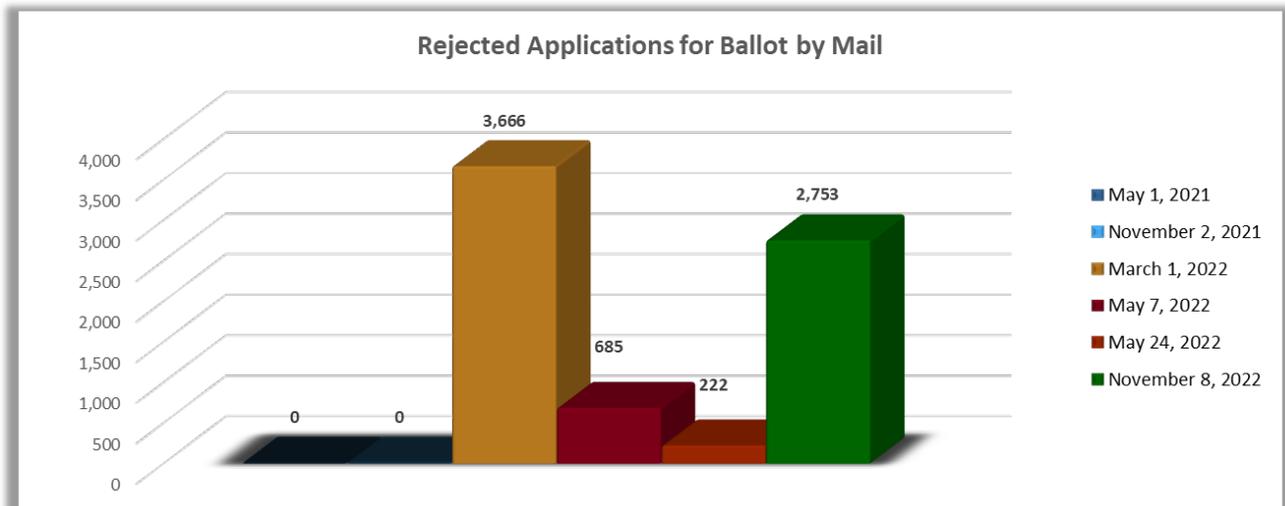


Figure 62: Rejected Applications for Ballot by Mail by Election

Harris County tracks all rejected applications for ballot mail that may be corrected internally. The county reviews all applications and clearly indicates on each application the reason for rejection. The county generates letters and sends the notices of defect to the applicants.

Harris County has not historically retained or submitted data to the statewide voter registration system related to the rejection of applications for ballot by mail. For the May 1, 2021 Uniform Election and the November 2, 2021 General Election, no rejected application information was submitted to the state. Therefore, the total number of applications received for those elections only includes the accepted applications.

The county began submitting some of this information in March 2022. However, a comparison between the Ballot by Mail List from the Harris County vendor system and the data submitted to the state indicates that not all rejected applications were submitted for the March 1, 2022 Primary Election. Likewise, based on discrepancies between local reports and state reports, the audit team confirmed that, though Harris County was tracking and submitting some of this information to the state system, not all rejected applications were being reported accurately to the state.

Beginning in 2022, Texas counties were required to report this information to the statewide system to allow voters the opportunity to utilize the Ballot by Mail Tracker to track the status of their application or ballot and, in certain circumstances, correct missing or incorrect personal identification numbers. However, Harris County did not consistently retain or submit data to the statewide voter registration system related to the rejection of an application for ballot by mail. Therefore, the rejected applicants may not have been offered the opportunity to check the status of their applications through the Ballot by Mail Tracker.

Reasons for Voting by Mail

The audit team reviewed the reasons associated with the requests to vote by mail. The applications revealed that the largest reason for voting by mail is on the basis of age.

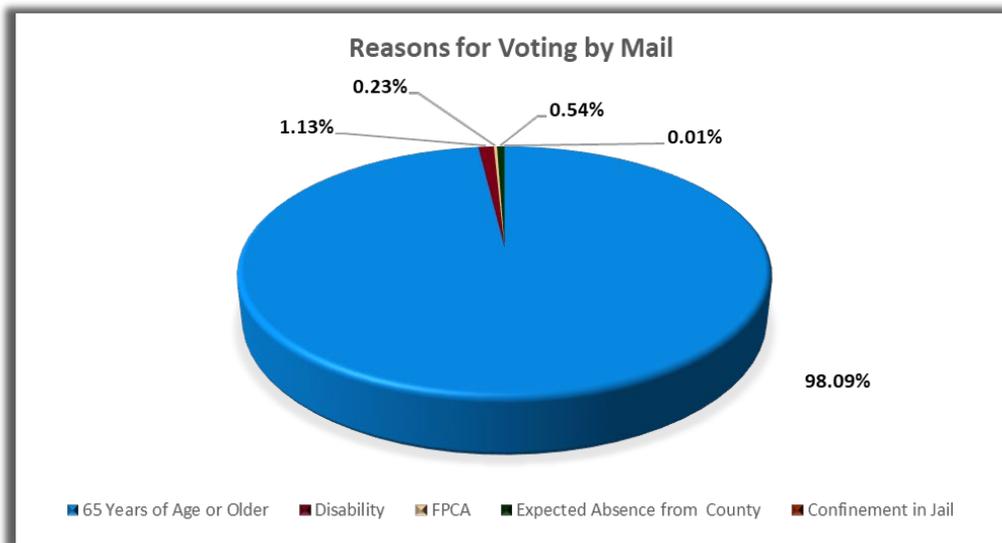


Figure 63: Reason for Voting by Mail for All Elections

Ballots by Mail

Harris County mailed 332,423 ballots for the following elections.

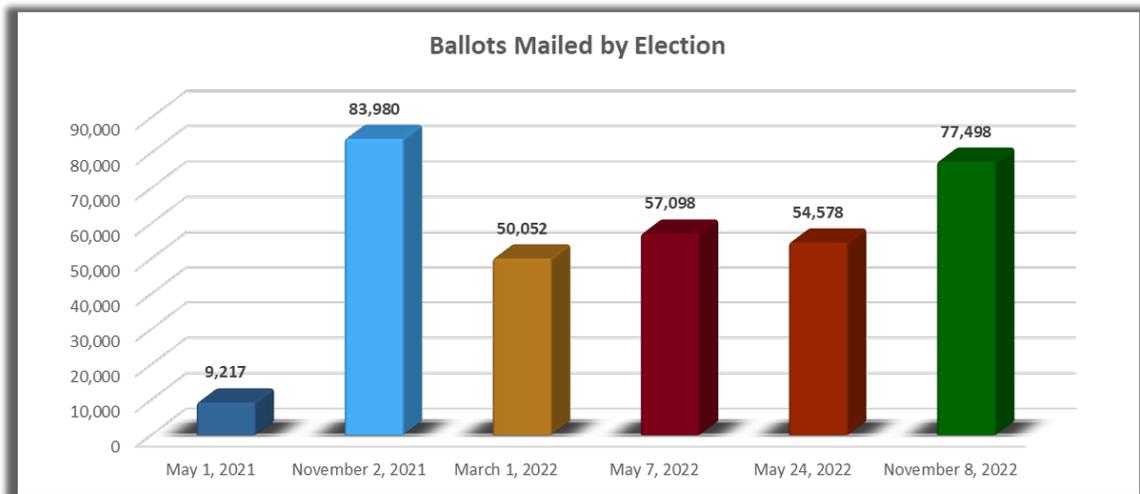


Figure 64: Ballots Mailed by Election

Ballots Received

Of the 332,423 ballots mailed to voters, 256,208 of those ballots were returned by voters resulting in a return rate of 77%.

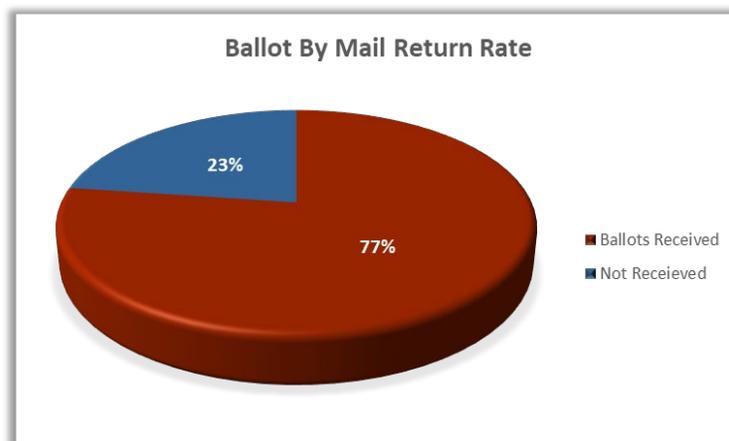


Figure 65: Ballot by Mail Return Percentage for All Elections

Returned Undeliverable Mail Ballots

Though voters complete the application for ballot by mail process and counties mail the balloting material, some mail ballots are returned by the U.S. Postal Service to the early voting clerk as undeliverable. The statewide report for Harris County indicates 1,186 ballots marked as undeliverable for the elections reviewed.

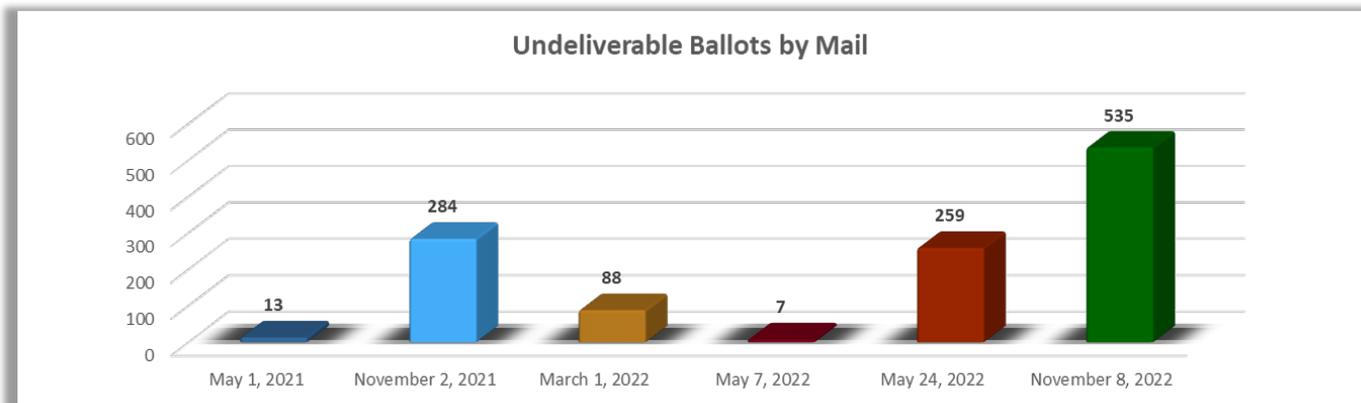


Figure 66: Mail Ballots Returned from the Post Office as Undeliverable

Surrendered and Cancelled Mail Ballots

A voter may cancel their application for a ballot to be voted by mail by submitting a written request to the early voting clerk to cancel their mail ballot application or may surrender the ballot that the voter received by mail, complete a cancellation request, and vote a regular ballot in person at a polling location. Harris County had a total number of 15,420 mail ballot cancellations during the selected elections.

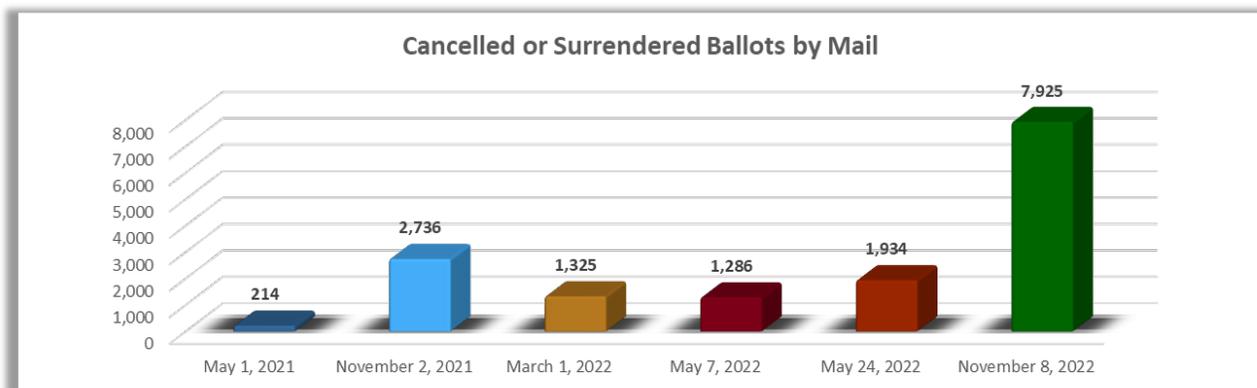


Figure 67: Cancelled Ballots for all Elections in Audit Cycle.

Signature Verification Committee (SVC)

The signature verification committee is charged with comparing the signature on each carrier envelope with the signature on the application for ballot by mail to determine whether the signatures are those of the voter.⁴⁵ If a signature verification committee is appointed to serve, the early voting clerk must issue a written order.⁴⁶ Harris County was compliant with the posting of these notices during the audit period.

⁴⁵ Tex. Elec. Code § 87.027(i).

⁴⁶ Tex. Elec. Code § 87.027.

The early voting clerk must deliver all received mail ballots to the signature verification committee.⁴⁷ Delivery of the ballots may only be made at times scheduled in advance by the early voting clerk and a notice of delivery of the mail ballots must be posted prior to each delivery. While Harris County posted the notice for the convening of the committee, the county failed to post the ballot transmittal notice.

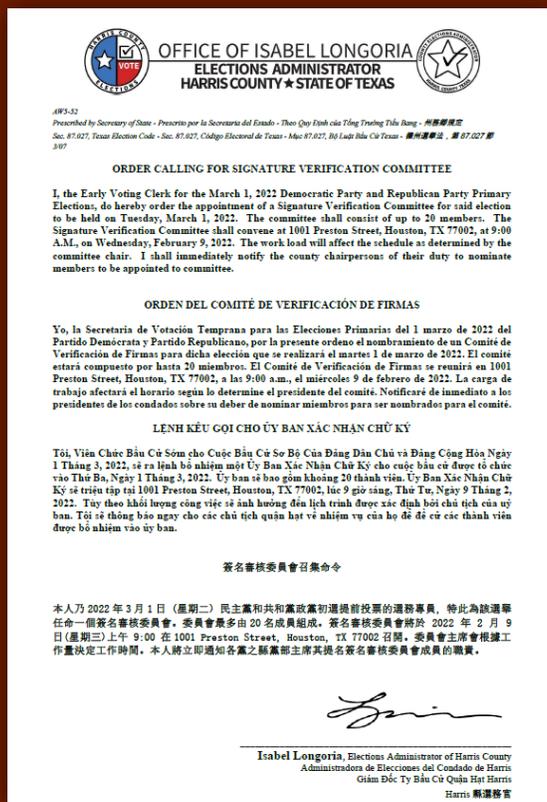


Figure 68: Order Calling for Signature Verification Committee

Early Voting Ballot Board (EVBB)

Prior to convening the early voting ballot board (EVBB), a county must post a public notice of the date and time of the meeting. Additionally, the early voting clerk must post notice⁴⁸ at the main early voting location of each delivery of balloting materials. Harris County provided public notice for the convening of the board and notice of the transfer of balloting materials for all elections in accordance with state law.

⁴⁷ Tex. Elec. Code § 87.027(h).

⁴⁸ Tex. Elec. Code § 87.0222(b).

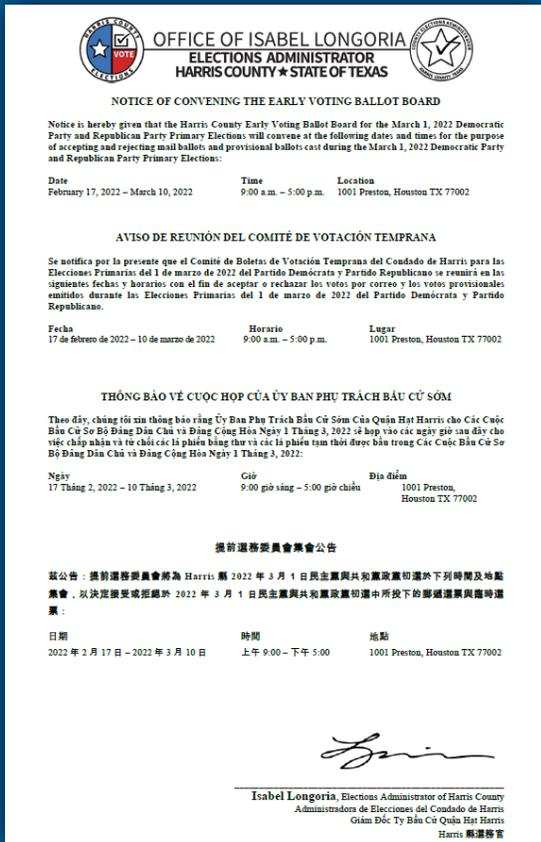


Figure 69: Notice of Convening the Early Voting Ballots to the Early Voting Ballot Board

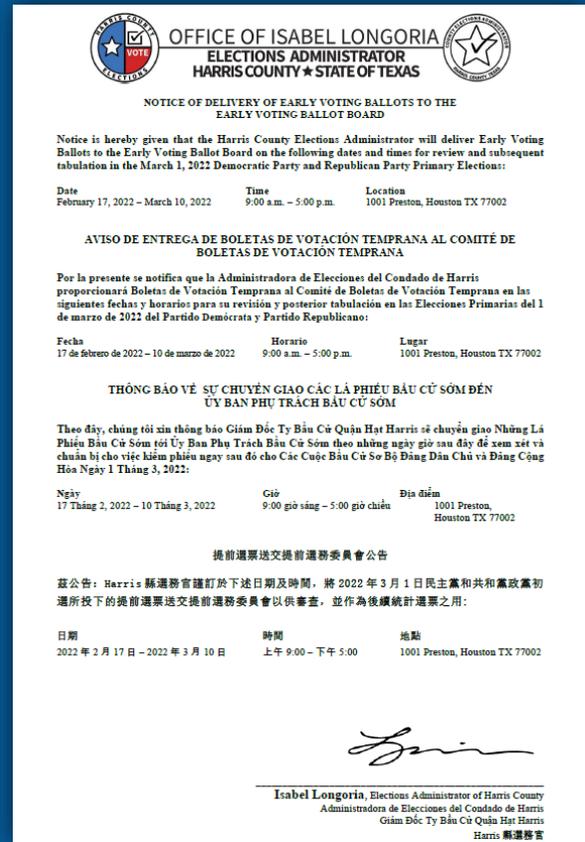


Figure 70: Notice of Delivery of Early Voting Ballots to the Early Voting Ballot Board

Opportunity to Correct Certain Defects

If the early voting ballot board reviews a carrier envelope that does not comply with the applicable requirements, the board must send the voter a notice of the defect and a corrective action form.⁴⁹ For certain defects, the board must permit the voter to correct this information using the Ballot by Mail Tracker developed by the Secretary of State.⁵⁰ Harris County reviews all received carrier envelopes and clearly indicates the reason for rejection. The county generates Notice of Defective Carrier letters and sends the notices to the voters.

Harris County reported the appropriate information to the statewide system for defective or rejected mail ballots, providing those voters the opportunity to correct their ballots through the Ballot by Mail Tracker. However, for the March 1, 2022 Primary Election, the statewide system does not reflect that Harris County reviewed the corrected information or provided the information to the ballot board as required. The statewide system does reflect that Harris County

⁴⁹ Tex. Elec. Code § 87.0411.

⁵⁰ Tex. Elec. Code § 86.015.

reviewed all information submitted through the Ballot by Mail Tracker for all elections conducted after the March 1, 2022 Primary Election.

Accepted Ballots by Mail

Following the review by the early voting ballot board and the corrective action process deadline, the information submitted by Harris County indicates that 225,291 mail ballots were accepted for the respective elections during the audit period.

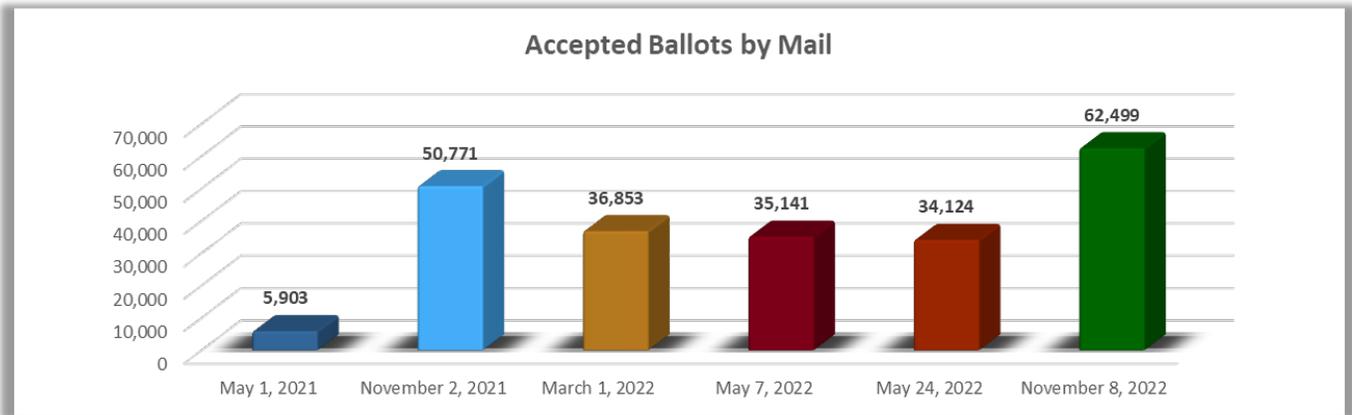


Figure 71: Total Ballots by Mail Accepted for all Elections

Rejected Ballots by Mail

Additionally, the Harris County submitted data indicated that 14,311 mail ballots were rejected after review for all elections in this audit cycle.

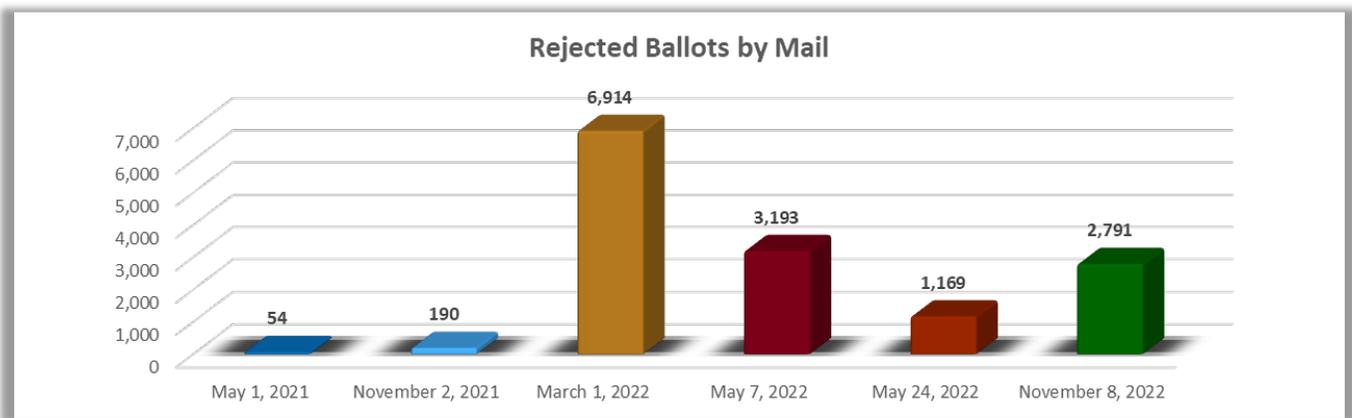


Figure 72: Total Ballots by Mail Rejected for all Elections in this Audit Cycle

Delivery of Mail Ballots to Central Counting Station

The early voting ballot board delivered all accepted mail ballots to the central counting station to be counted by automatic tabulating equipment.⁵¹ According to Harris County officials, ballot transmittal forms showing the number of accepted mail ballots being transferred to the Central Counting Station were generated and posted for all elections.

⁵¹ Tex. Elec. Code § 87.101.

VOTING IN PERSON

Findings

- Across all elections in Harris County during the audit period, 90% of ballots were cast in person, with early voting in person being the most common method of voting.
- Harris County must ensure that processes are clearly defined and effective training is provided to all election workers to ensure that all polling location procedures are implemented consistently and uniformly in all polling locations.

Overview

Voting in person during the early voting period was the most common method of voting utilized in Harris County for all statewide elections conducted during the audit period. Based on the canvass reports provided by the county, of 1,996,206 voters that cast a ballot, 1,059,326 (53%) appeared to vote in person during the early voting period while 732,997 (37%) appeared to vote in person on election day. Overall, 90% of the voters voting in the election appeared in person to cast a ballot for while 10% of voters chose to vote by mail.

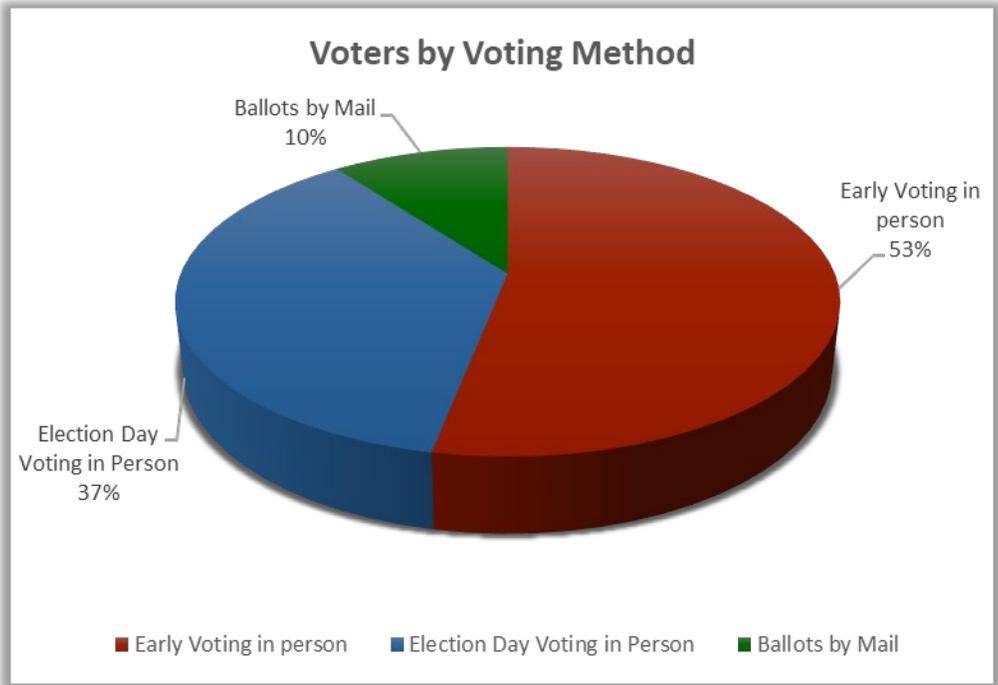


Figure 73: Voters by Voting Method

Polling Locations

Since 2019, Harris County has participated in the countywide polling place program that allows voters to vote at any election day polling location that is open in the county. Harris County provided notice of all polling locations for each election as required.

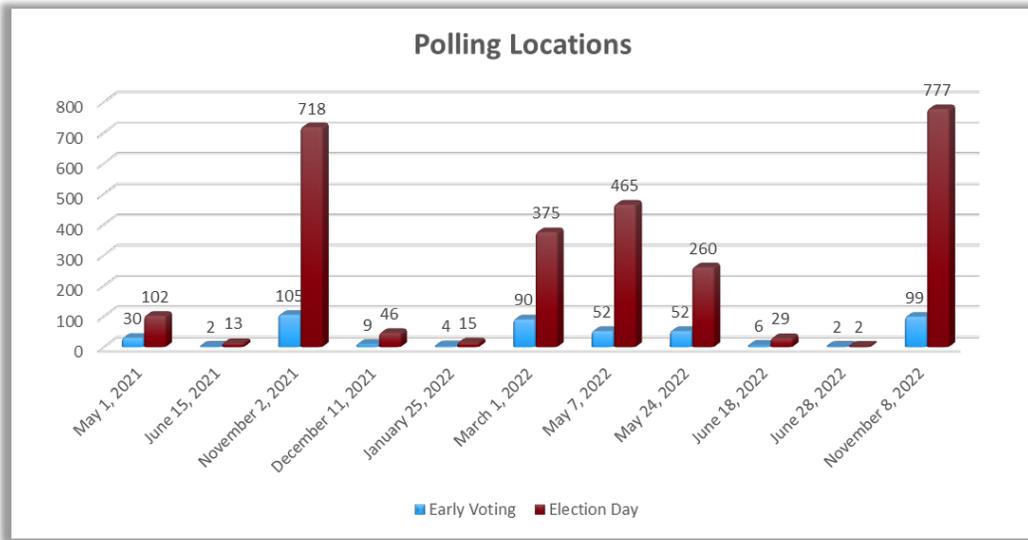


Figure 74: Harris County Polling Locations by Election

Early Voting

Harris County posted the required notices related to early voting polling locations including the date, location, and available hours of operation for voting.

OFFICE OF ISABEL LONGORIA
ELECTIONS ADMINISTRATOR
HARRIS COUNTY ★ STATE OF TEXAS

AW 1-4
 Prescribed by Secretary of State
 Prescrita por la Secretaría de Estado
 Theo quy định của Tổng Trưởng Tiểu Bang

Sections 4.004, 83.010, 85.004, 85.007, Texas Election Code
 Secciones 4.004, 83.010, 85.004, 85.007, Código Electoral de Texas
 Bộ Luật Bầu Cử Texas, Mục 4.004, 83.010, 85.004, 85.007
 憲法, Texas 選舉法

9/2009

NOTICE OF HARRIS COUNTY PRIMARY ELECTIONS
AVISO DE ELECCIONES PRIMARIAS DEL CONDADO DE HARRIS
THÔNG BÁO VỀ CÁC CUỘC BẦU CỬ SƠ BỘ CỦA QUẬN HARRIS
HARRIS 縣初選通告

To the registered voters of the County of Harris, Texas:
 A los votantes registrados del Condado de Harris, Texas:
 Gửi các cử tri đã ghi danh bầu cử của Quận Harris, Texas:

請公衆 Texas 州 Harris 縣的選民注意:

Notice is hereby given that the polling places listed below will be open from 7:00 a.m. to 7:00 p.m. on March 1, 2022, for voting in the Democratic and Republican Primary Elections to select nominations of Members of Congress, Members of Legislature, and state, district, county and precinct officers as submitted by the 78th Legislature, Regular Session, of the State of Texas.

Por medio del presente se informa que las casillas electorales estarán abiertas de 7:00 a.m. hasta 7:00 p.m. el 1 de marzo de 2022 para votar en las Elecciones Primarias Democráticas y Republicanas para elegir Miembros del Congreso, Miembros de la Legislatura, y oficiales del estado, distrito, condado y el precinto presentados por la Legislatura 87, Sesión Regular, del Estado de Texas.

Thông báo, những địa điểm bầu cử được liệt kê dưới đây sẽ mở cửa từ 7 giờ sáng tới 7 giờ tối ngày 1 tháng 3, 2022 để bầu phiếu trong Các Cuộc Bầu Cử Sơ Bộ của Đảng Dân Chủ và Đảng Cộng Hòa để bầu chọn các Dân Biểu Quốc Hội, Dân Biểu cho Thành Quyền Lập Pháp và các viên chức tiểu bang, khu vực, quận hạt và phân khu đã được đề trình bởi Quốc Hội khóa 87, Phiên Họp Thường Niên, của Tiểu Bang Texas.

茲公告 下列投票站將於 2022 年 3 月 1 日上午 7:00 至下午 7:00 開放予民主黨和共和黨初選中投票，以選出由 Texas 州第 87 屆立法機構例會提交的 美國參眾兩院議員、州參眾兩院議員、立法機構成員以及州、縣區、縣和選區官員的提名。

For early voting by personal appearance, a voter may vote at any one of the following locations:
 Para votar temprano en persona, votantes pueden votar en uno de los siguientes sitios para votar por adelantado:
 Cho dịch thân đi bầu cử sớm, cử tri có thể đi bầu tại bất kỳ địa điểm bầu cử nào trong các địa điểm liệt kê dưới đây:
 在提前投票期間，選民可在下列任何地點進行親自提前投票。

March 1, 2022 Democratic Party and Republican Party Primary Elections Early Voting Schedule
Horario para Votar Temprano en las Elecciones Primarias del 1 de marzo de 2022 del Partido Democrático y Partido Republicano
Lịch Trình Bầu Cử Sớm Cuộc Bầu Cử Sơ Bộ Cho Đảng Dân Chủ và Đảng Cộng Hòa Ngày 1 Tháng 3, 2022
2022 年 3 月 1 日民主黨、共和黨初選 - 提前投票日程表

Location/Address	Hours	Location/Address	Hours
1. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.	41. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.
2. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.	42. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.
3. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.	43. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.
4. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.	44. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.
5. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.	45. Alder Creek Community Center, 10000 Alder Creek Rd, Spring, TX 77132	7:00 a.m. - 7:00 p.m.

Figure 75: Harris County Early Voting Schedule

Election Day

Harris County posted information related to election day voting polling locations including the date, precinct number, location, and available hours of operation for voting.

OFFICE OF ISABEL LONGORIA
ELECTIONS ADMINISTRATOR
HARRIS COUNTY • STATE OF TEXAS

Send your ballot by mail application by:
 Envíe su aplicación para votar por correo a través de:
 Gửi đơn xin lá phiếu bằng thư qua máy vi bằng cách:
 郵遞投票申請表提交方式:

- Regular mail (correo ordinario) (dịch vụ thư thường dân) (使用一般郵寄寄票。)
- Isabel Longoria
 Harris County Elections Administrator
 P.O. Box 1148, Houston, TX 77251-1148
 Email: isabel@harrisvotes.com
- FAX to: (For fax to) (Gửi fax tới số) (FAX to) 713.755.4963

To be effective, an application for ballot by mail submitted by FAX or EMAIL must also be submitted by mail and be received by the early voting clerk no later than the fourth business day after the transmission by fax or email is received. (TEC 84.007)
 Para que sea efectiva una solicitud de boleta por correo enviada por FAX o EMAIL, también debe enviarse por correo y ser recibida por el secretario de votación anticipada a más tardar el cuarto día hábil posterior a la recepción de la transmisión por fax o correo electrónico. (TEC 84.007)
 Để có hiệu lực, đơn xin lá phiếu bằng thư đã được gửi bằng FAX hoặc EMAIL cũng phải được gửi bằng bưu điện và phải vào bàn của văn phòng phát phiếu trước đây đến ít nhất là ngày làm việc thứ bốn sau khi đơn đã được gửi qua thư hoặc email. (Điều Luật của Các Tiểu Bang, Mục 84.007)
 以傳真或電子郵件方式申請郵遞投票，申請表必須在傳真或電郵寄到投票官員的兩個工作天內以郵寄方式送達至投票官員，該郵遞投票申請始得以生效。(TEC 84.007)

Applications for ballot by mail must be received no later than the close of business on February 18, 2022.
 Las solicitudes de boletas para votar por correo no deben recibir a más tardar al cierre de las oficinas del 18 de febrero de 2022.
 Các đơn xin lá phiếu bằng thư phải nhận được không muộn cuối giờ làm việc Ngày 18 Tháng 2, 2022.
 郵遞投票申請表的截止日期為：2022年2月18日營業時間結束前。

ELECTION DAY POLES — This list is not final and may change. All Election Day polling locations are open to all eligible voters in Harris County.
 Esta lista no es final. Podrán cambiar. Todos los lugares de votación el Día de las Elecciones están abiertos a todos los votantes elegibles en el Condado de Harris.
 Danh sách này chưa phải là cuối cùng. Nó có thể thay đổi. Tất cả các địa điểm Ngày Bầu Cử sẽ được mở cửa cho tất cả các cử tri đủ điều kiện bầu cử trong Quận Harris.
 此「票務日投票亭列表」並非最終列表，可能會有所更改。請留意投票日的投票亭開辦地點所有 Harris 縣的合格選民。

www.HarrisVotes.com - 713.755.6965

The table contains a comprehensive list of polling locations across Harris County. Each row typically includes the following information:

- Precinct:** The specific precinct number and name.
- Location:** The address of the polling station.
- Hours:** The operating hours for that location on Election Day.

The table is organized in a grid format, with multiple columns and rows, providing a detailed overview of the county's voting infrastructure for the election.

Figure 76: Harris County Election Day Schedule

Additional Notice Requirements

In addition to the notice requirement of polling locations and dates and times of operation for an election, counties are required to post certain information regarding previous polling locations, changes to polling locations, and information related to polling locations in proximity to each polling place.

Notice of Change of Polling Place Location

If a polling location is relocated after notice of the election has been given as required, the county election official must post a notice of the change on the county's website. Harris County posted changes in polling locations for all elections as required.

Notice of Nearest Four Countywide Polling Locations

As part of the countywide polling place program, each countywide polling place must post a notice, at that location, of the four nearest locations, by driving distance.⁵² Harris County posted this notice at all polling locations as required.

Curbside Voting

Harris County includes procedures related to curbside voting⁵³ in their training materials. In reviewing the training materials used for all elections except the November 8, 2022 General Election Signage is placed at all polling locations with a button to push to alert poll workers that a curbside voter needs assistance. After qualifying the voter, the judge takes all balloting materials to the curbside location to allow the voter to cast a ballot.

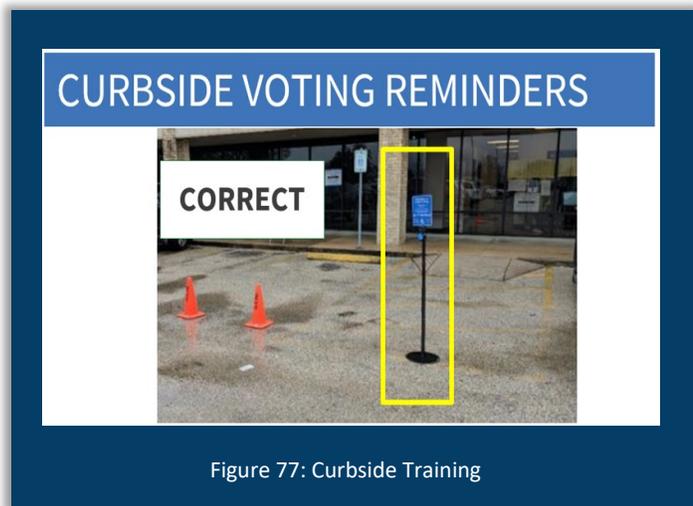


Figure 77: Curbside Training

Oaths of Assistance

When a voter requests assistance in marking a ballot, two election officers must provide that assistance.⁵⁴ Additionally, a voter may request to be assisted by someone of their choosing except that it may not be their employer, an agent of their employer, or an agent of a labor union to which the voter belongs. If assistance is provided by a person of the voter's choice, that person must complete an Oath of Assistance form.

Harris County provided the oaths for all elections conducted in the audit period. The county had 7,123 oaths of assistance and 265 oaths of interpreters. Though the completion of these forms is covered in training and examples are provided in the training manuals, some election workers are not consistently filling in the form in its entirety. Additionally, the audit team identified a small percentage of forms that were not signed by the election judge.

⁵² Tex. Elec. Code § 43.007(o).

⁵³ Tex. Elec. Code § 64.009.

⁵⁴ Tex. Elec. Code § 64.032.

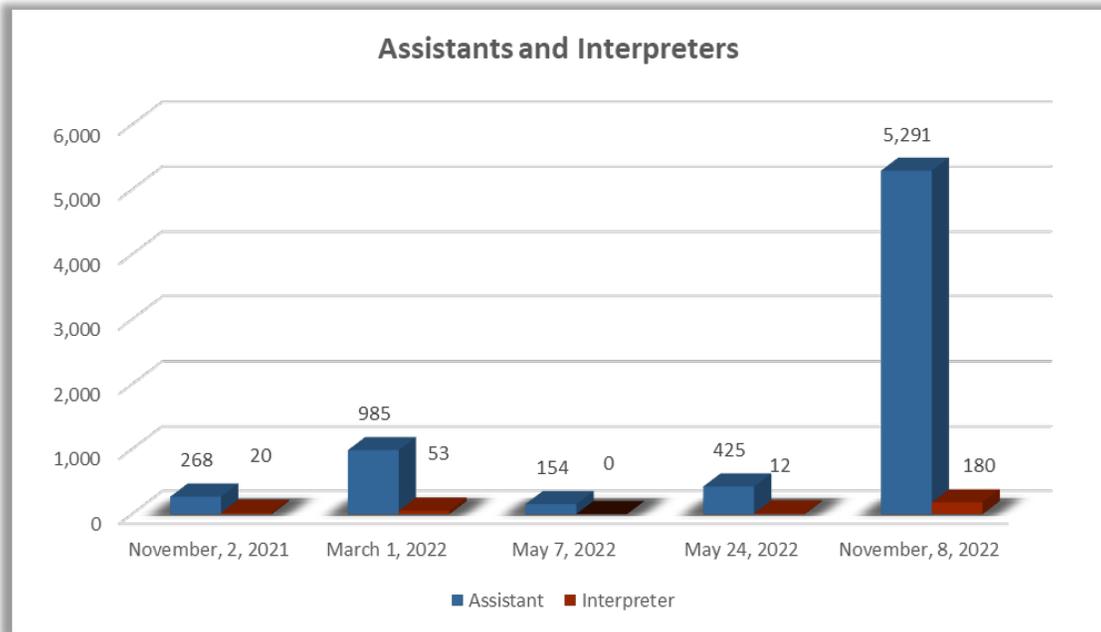


Figure 78: Number of Voters Assisted by Election

Reasonable Impediment Declarations

If a voter does not possess one of the forms of acceptable photo identification,⁵⁵ and cannot reasonably obtain such identification, a voter may execute a Reasonable Impediment Declaration.⁵⁶

Harris County did not provide data or copies of the Reasonable Impediment Declarations (RIDs) for all elections conducted during the audit period. A detailed analysis of the November 8, 2022 General Election is included in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#).⁵⁷

For the March 1, 2022 Primary Election, the audit team reviewed the RIDs as submitted by the election judges for each election. The Democratic Primary had 111 RIDs submitted across 51 Harris County polling locations. The Republican Primary had 34 RIDs submitted at 32 polling locations. An analysis of the forms from both elections revealed the following descriptions listed as the reason for not having an acceptable form of photo identification.

⁵⁵ Tex. Elec. Code § 63.001(b).

⁵⁶ Tex. Elec. Code § 63.001(i).

⁵⁷ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 98, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

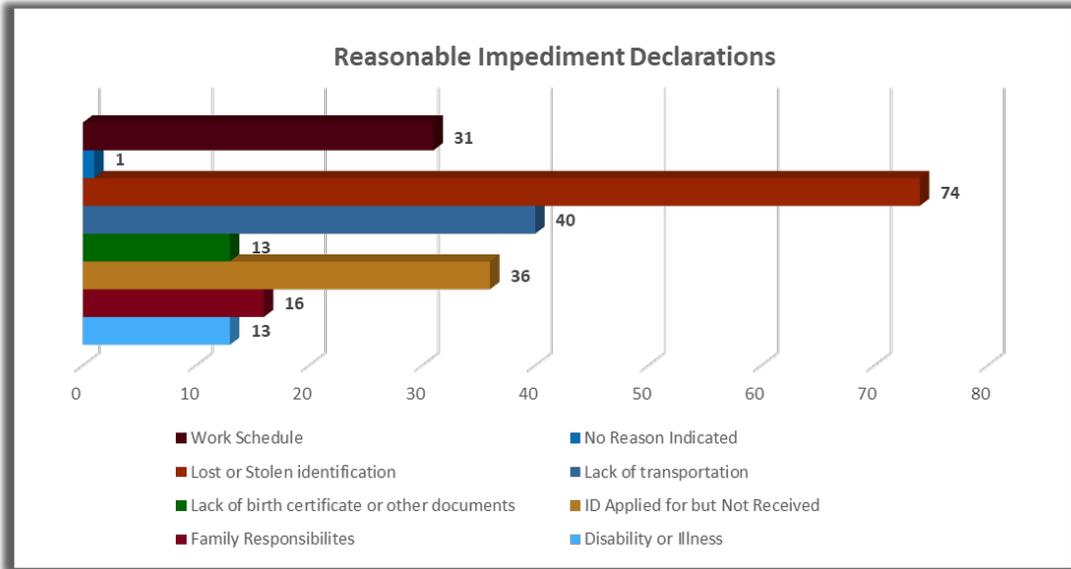


Figure 79: Reasons Necessitating a Reasonable Impediment Declaration for Harris County on March 1, 2022

Statements of Residence

The audit team conducted an analysis of the Statements of Residence forms for the November 8, 2022 General Election. A report, submitted by Harris County, indicated that 43,732 voters completed a Statement of Residence as part of the voting process for that election. Additionally, the audit team was able to review a list of 85 voters who completed a Statement of Residence as part of the voter confidentiality program. In total, 43,817 Statements of Residence were completed during the November 8, 2022 General Election.

Limited Ballots

A registered voter who has moved from the Texas county in which he or she is registered, to a new county of residence in Texas, and who will not be registered to vote in the new county on or before election day, may be eligible to vote a limited ballot.⁵⁸

Though the audit team reviewed data for all statewide elections held during the audit period, a detailed analysis was conducted for the March 1, 2022 Primary Election. Harris County reported a total of 31 limited ballot voters for the primary election. Of those, 22 applications were for the Democratic Primary and 9 were completed for the Republican Primary.

⁵⁸ Tex. Elec. Code § 112.001.

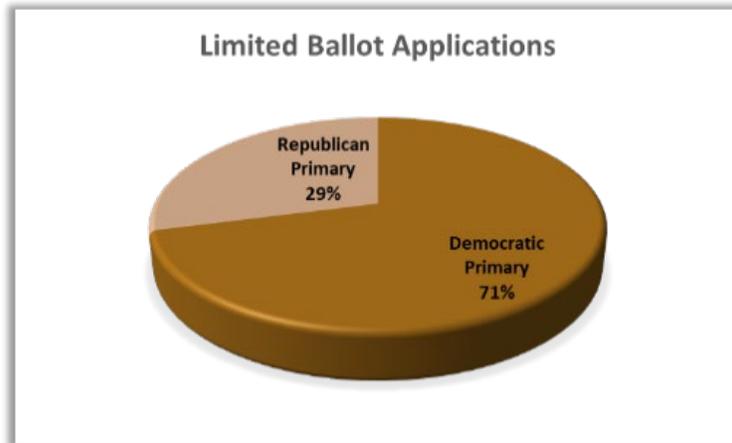


Figure 80: Limited Ballots in Harris County for March 1, 2022 Primary Election

Of those casting a limited ballot, 30 voters completed the limited ballot application. Additionally, 30 of 31 voters signed the combination form during the voter check-in process. All of the voters provided an updated residential address, as required, to determine the correct ballot style or correct list of contests based on where the voter resides. The one voter that did not provide a residential address listed a mailing address which may have incorrectly been used to determine eligibility or ballot style.

A review of the limited ballot applications revealed a breakdown of the counties of former residence for the applicants which includes at least thirteen (13) Texas counties. The former residence for one applicant was unknown.

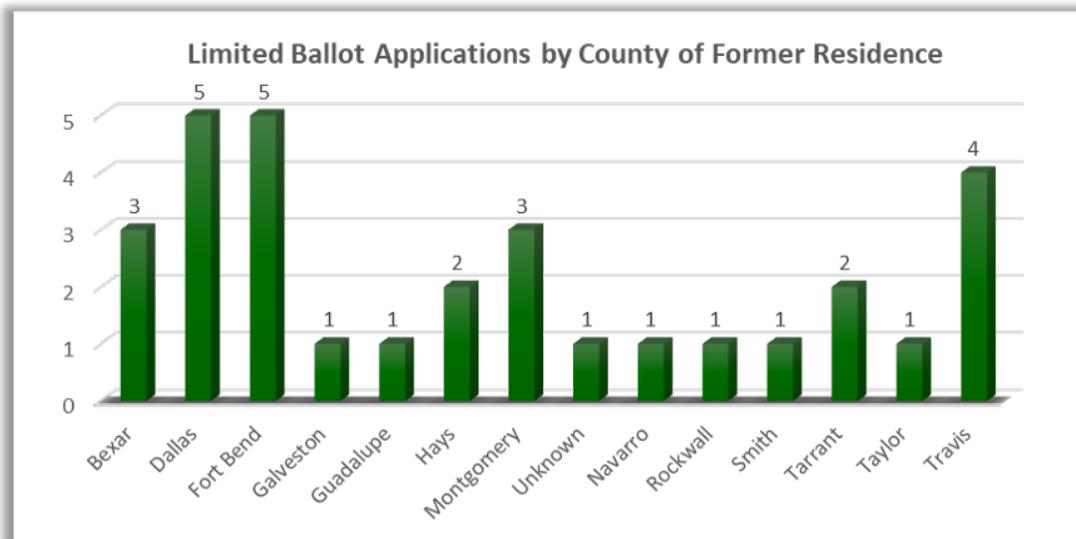


Figure 81: Limited Ballot Applications by County of Former Residence

Provisional Ballots

Harris County provided a list of provisional voters for all statewide elections. The county documentation reflected a total of 8,020 provisional ballots cast. Of those, 7,475 were accepted and 545 were rejected by the county.

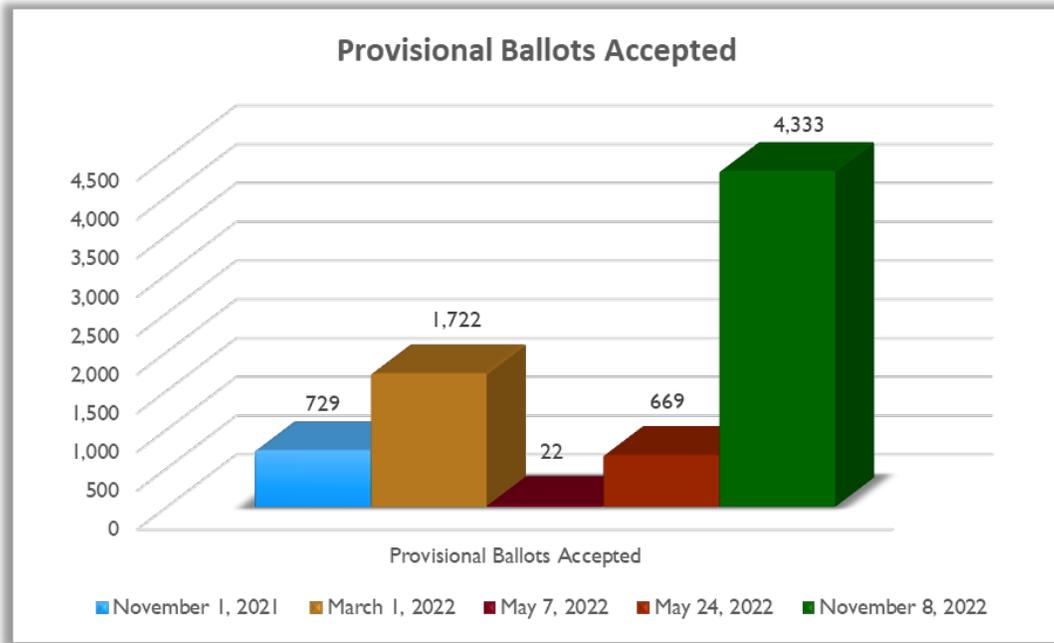


Figure 82: Provisional Votes in Harris County

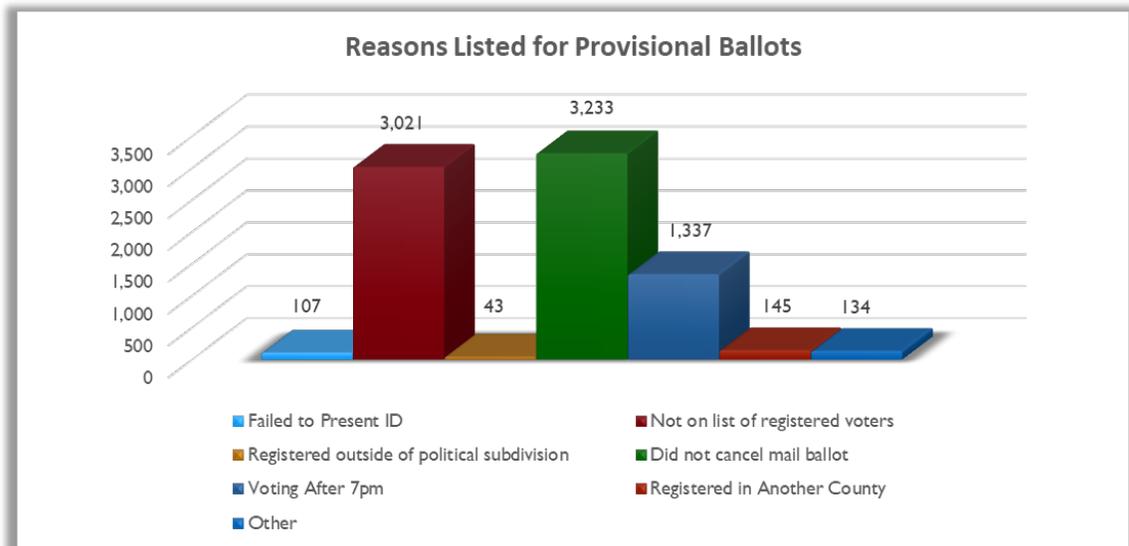


Figure 83: Reasons Listed for Provisional Voting

ELECTION RESULTS

Findings

- Harris County must ensure that the Central Counting Station is producing all of the required election precinct reports and that these reports are signed and validated by the presiding judge as required.
- Harris County must establish appropriate procedures to ensure that all election day counting has been completed and precinct returns have been prepared no later than 24 hours after the polls close in compliance with state law.

Central Counting Station Compliance

A central counting station (CCS)⁵⁹ is a location where ballots are counted, vote totals are accumulated, and unofficial election results are generated on election night.

Notice Requirements

Harris County did not provide a copy of documentation related to the time of convening of the central counting station or the time ballots were counted on election day except for the November 8, 2022 General Election. The county provided the audit team a link to the Harris County website for the retrieval of notices and information. However, the audit team was not able to locate any other notifications related to the central counting station.

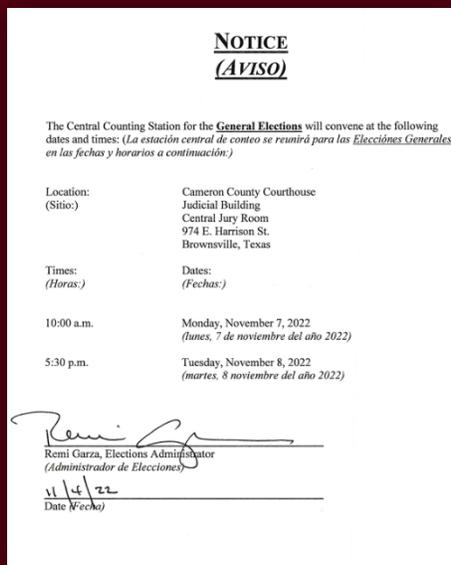


Figure 84: Notice of Central Counting Station for the November 8, 2022 Election

⁵⁹ Tex. Elec. Code § 127.001.

Central Counting Station Plan

Harris County utilized the same Central Counting Station Plan for all elections during the audit period. Minor changes were noted to dates and locations but the overall process and procedures remained unchanged. A review of the plan indicated compliance with required elements and inclusion of best practices as prescribed by the Secretary of State.

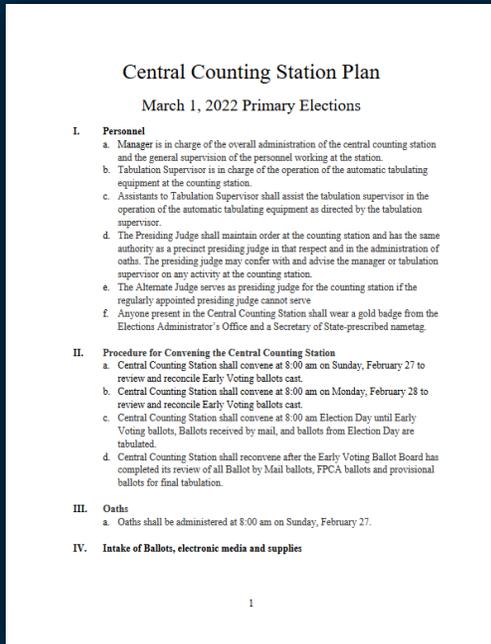


Figure 85: Central Counting Station for the March 1, 2022 Election

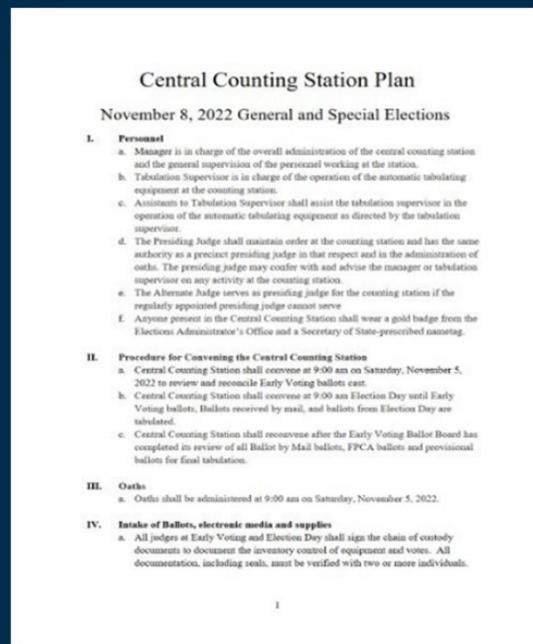


Figure 86: Central Counting Station for the November 8, 2022 Election

Livestreaming Requirements

A county with a population over 100,000 must establish a video recording and live streaming system that captures all areas containing voted ballots from the time they are delivered to the signature verification committee, early voting ballot board, or central counting station until the canvass of the election.

Harris County complied with the live streaming requirement for all applicable elections. The county posted links to cameras live streaming all activities of the central counting station and ballot processing activities at the NRG Arena.

Testing of Tabulation Equipment

The automatic tabulating equipment used for counting ballots at a central counting station must be tested immediately before the counting of ballots with the equipment begins.⁶⁰ The testing must be repeated immediately after tabulation has been completed.⁶¹ A review of the documentation shows compliance with all testing requirements of the county automatic tabulating equipment. Harris County completes the Certification of the 2nd Test of Automated Tabulating Equipment and the Certification of 3rd Test of Automated Tabulating Equipment as required.

**CERTIFICATION OF 2nd TEST OF
AUTOMATED TABULATING EQUIPMENT**

1. Beth Stewart, Custodian of Election Records Representative
 1. Jason S. Zue, Custodian of Automatic Tabulation Equipment
 1. Vincent Allen Pijoe, Logic and Accuracy Test Board Member
 1. KATHY RUMBERT, Logic and Accuracy Test Board Member
 1. C. A. THOMAS, Logic and Accuracy Test Board Member
 1. Almon Vega, Logic and Accuracy Test Board Member

Do hereby certify that the Logic and Accuracy Test of the voting system (Hart Interivic: Verity System, Version 2.5) to vote and count the ballots for the Primary Election, to be held on March 1, 2022 was conducted by a pre-qualified group of ballots marked to record a predetermined number of valid votes for each contest position as well as each precinct and ballot style was voted and was accurately counted, including overvotes and undervotes for each race, including write-in votes as applicable, and including provisional votes.

The Logic and Accuracy Test began on March 1, 2022 (Date) at 10:10AM (time) and was completed on March 1, 2022 (Date) at 1:47PM (time).

The Logic and Accuracy Test was successful as prescribed by Texas Election Code Sec. 129.023 (d).

Beth Stewart B.S. Stewart
Signature of Custodian of Election Records Representative
Jason S. Zue Jason S. Zue
Signature of Custodian of Automatic Tabulation Equipment
Vincent Pijoe
Signature of Logic and Accuracy Test Board Member
Kathy Rumbert
Signature of Logic and Accuracy Test Board Member
C. A. Thomas
Signature of Logic and Accuracy Test Board Member
Almon Vega
Signature of Logic and Accuracy Test Board Member

NOTE TO General Custodian of Election Records:
 If the initial test was not successful, prepare a written record of the changes to the program, adjustments to the equipment and other actions taken to achieve a successful test and attach to this certification.

Figure 87: Certification of 2nd Test of Automated Tabulating Equipment

**CERTIFICATION OF 3rd TEST OF
AUTOMATED TABULATING EQUIPMENT**

1. Isabel Lemuria, Custodian of Election Records
 1. Jason S. Zue, Custodian of Automatic Tabulation Equipment
 1. Vincent Pijoe, Logic and Accuracy Test Board Member
 1. KATHY RUMBERT, Logic and Accuracy Test Board Member
 1. SARAH SYED, Logic and Accuracy Test Board Member
 1. Almon Vega, Logic and Accuracy Test Board Member

Do hereby certify that the Logic and Accuracy Test of the voting system (Hart Interivic: Verity System, Version 2.5) to vote and count the ballots for the Primary Election, to be held on March 1, 2022 was conducted by a pre-qualified group of ballots marked to record a predetermined number of valid votes for each contest position as well as each precinct and ballot style was voted and was accurately counted, including overvotes and undervotes for each race, including write-in votes as applicable, and including provisional votes.

The Logic and Accuracy Test began on March 10, 2022 (Date) at 1:15am (time) and was completed on March 10, 2022 (Date) at 2:44AM (time).

The Logic and Accuracy Test was successful as prescribed by Texas Election Code Sec. 129.023 (d).

Isabel Lemuria
Printed Name & Signature of Custodian of Election Records
Jason S. Zue JSZ
Printed Name & Signature of Custodian of Automatic Tabulation Equipment
Vincent Pijoe Vincent Allen Pijoe
Printed Name & Signature of Logic and Accuracy Test Board Member
Kathy Rumbert
Printed Name & Signature of Logic and Accuracy Test Board Member
Sarah Syed Sarah Syed
Printed Name & Signature of Logic and Accuracy Test Board Member
Almon Vega Almon Vega
Printed Name & Signature of Logic and Accuracy Test Board Member

NOTE TO General Custodian of Election Records:
 If the initial test was not successful, prepare a written record of the changes to the program, adjustments to the equipment and other actions taken to achieve a successful test and attach to this certification.

Figure 88: Certification of 3rd Test of Automated Tabulating Equipment

Precinct Returns

Harris County provided a copy of the election precinct results report⁶² for all elections. The county officials confirmed that all precinct results reports are generated and signed by the presiding judge to certify the accuracy of the returns, as required.⁶³

Harris County provided a copy of the precinct results report as part of this audit. However, the audit team was unable to confirm that the report was signed by the presiding judge based on the documentation provided. While precinct level reporting in Harris County may produce a report

⁶⁰ Tex. Elec. Code § 127.093(b)

⁶¹ Tex. Elec. Code § 127.093(d).

⁶² Tex. Elec. Code § 65.014.

⁶³ Tex. Elec. Code § 127.131.

that is too lengthy to print, this report, at a minimum, must be generated and retained by the general custodian of election records.

The figure displays two side-by-side screenshots of Precinct Results Reports for Harris County, Texas, Primary Election on 3/1/2022. Both reports show results for Precinct 0001. The left report shows 368 ballots, and the right report shows 390 ballots cast. The reports are organized into sections for Democratic and Republican parties, with sub-sections for Lieutenant Governor and Attorney General. Each section includes a table with columns for Choice, Party, Ballot by Mail, Early Voting, Election Day, Provisional, and Limited. The right report also includes a Total column. The data shows the percentage of votes for each candidate and category, along with the number of votes cast.

Figure 89: Elections Precinct Results Report for March 1, 2022 Primary Election

Unofficial Results

County election officials must transmit election night returns to the Secretary of State on election night. The Secretary of State requests that county election officials submit the unofficial results for early voting in person and early voting by mail as soon after 7:00 p.m. as possible. Additionally, the office requests that counties provide periodic updates throughout the evening as election day votes are tabulated by polling location. No results may be submitted prior to 7:00 p.m. A review of all elections during the audit period confirmed the consistent transmission of election night returns⁶⁴ to the Secretary of State on election night.

As an example, for the November 2, 2021 Special Election, Harris County reported all early voting totals at 10:24 p.m. on election night. The county's final unofficial vote totals for 1,013 polling locations was submitted on November 3, 2021 at 8:44 a.m. The data, as submitted through the statewide system, reported a total of 224,379 votes cast and 9.04% voter turnout.

⁶⁴ Tex. Elec. Code § 68.034.

However, for the March 1, 2022 Primary Election, the results were not reported within the required timeframe.⁶⁵ After determining that the counting would not be completed in compliance with state law, the parties obtained a court order to allow for the continuous tabulation of ballots until the election results were complete. The unofficial results for the Democratic Primary were submitted on March 3, 2022 at 1:24 a.m. and the Republican Primary unofficial results were submitted on March 3, 2022 at 1:47 a.m.



The image shows a screenshot of an election results dashboard. At the top, there are three tabs: 'PRECINCTS REPORTING' (highlighted in yellow), 'VOTER TURNOUT', and 'POLLING LOCATIONS'. Below the tabs is a table with three columns: 'Precincts Participating', 'Precincts Reporting', and 'Percentage'. The table contains one row of data showing 1,166 precincts participating, 1,166 precincts reporting, and a 100% reporting rate.

Precincts Participating	Precincts Reporting	Percentage
1,166	1,166	100%

Figure 90: Harris County Election Unofficial Results for March 1, 2022 Republican Primary Election

⁶⁵ Tex. Elec. Code § 66.053.

RECONCILIATION

Findings

- Harris County failed to report separate preliminary reconciliation totals for each election conducted on March 1, 2022. Additionally, the preliminary form was updated for the November 8, 2022 General Election with no further explanation. Harris County must provide accurate reconciliation forms in a timely manner in compliance with state law.
- Anytime an official election record is updated, the county should provide an explanation of the reason for the update and should document the reasoning behind the updated records. This documentation should be retained with the county's election records.
- Discrepancies between ePollbook data and vote totals made it difficult for the audit team to validate vote totals across multiple elections conducted during the audit period. Though these differences were consistent with issues resulting from large numbers of ballots placed in the emergency slot and spoiled ballots, the exact cause of the discrepancy was unable to be identified.

Preliminary Reconciliation

The presiding judge of the central counting station must attest to an unofficial written reconciliation of votes and voters at the end of the tabulation process on election day.⁶⁶ Likewise, the presiding judge must attest to an official reconciliation after the inclusion of any late arriving or provisional ballots following the canvass.

Preliminary reconciliations were posted on the Harris County website for all applicable elections. However, the preliminary reconciliation for the March 1, 2022 Primary Election inappropriately consolidated the results for the Democratic and Republican primary elections. These totals should have been reported separately. The failure to do so led to difficulty in reconciling the individual elections.

Preliminary Election Reconciliation - Unofficial Totals
Disclaimer: These numbers are subject to change as information is verified after election day.

County: Harris County Election Name: Primary Election 2022
 Registered Voters: 1,499,876 Election Date: 3/1/2022

1. Voters <small>(Final election totals)</small>		2. Rejected or pending ballots <small>(Including mail ballots pending voter action or complaint)</small>		3. Counted ballots <small>(Final tabulation totals)</small>	
A. In person voters	327,064	D. Provisional ballots rejected or pending	1,629	G. In person ballots counted	325,358
B. By mail voters	31,360	E. Mail ballots rejected or pending	3,277	H. Mail ballots counted	18,088
C. Total voters (A+B)	358,424	F. Total ballots rejected or pending (D+E)	4,906	I. Total ballots counted (G+H)	343,446

4. Comparison of voters and counted ballots

J. Difference between voters and ballots (C-I): 10,072 K. Difference as percentage of voters (J/C): 2.849 %

L. Notes: Further investigation needed.

5. Attestation

M. "I certify that the information contained in this preliminary election reconciliation document accurately reflects the unofficial votes and voters as known to me on election night. The information will likely change based on provisional voters, mail ballots, and additional reconciliation efforts by election personnel."

Walter R. ... Walter R. ... 3/3/22
 Presiding Judge Signature: Walter R. ... Print name: Walter R. ... Date: 3/3/22

6. Ballots that could be added to the final count
Disclaimer: These numbers typically change as information is verified after election day.

N. Mail ballots not returned or pending voter action	4,198	O. Estimated Provisional ballots	1,629
--	-------	----------------------------------	-------

Figure 91: Harris County Unofficial Reconciliation Report for March 1, 2022 Primary Election

⁶⁶ Tex. Elec. Code § 127.131(f).

For the March 1, 2022 Primary Election, the unofficial reconciliation report, which included total votes for both the Democratic and Republican Primary elections, reflected a discrepancy between the number of voters voting and the number of ballots of 10,072 (2.849%). The county indicated that further investigation was needed to ascertain the causation of the discrepancy. Additionally, the county noted that 4,198 mail ballots had not yet been received and 1,629 provisional ballots were pending review. The discrepancy will be addressed in more detail later in this section of the report.

Final Reconciliation

The presiding judge must attest to an official reconciliation after the inclusion of any late arriving or provisional ballots following the canvass.⁶⁷ Consistent with the unofficial reconciliation report, Harris County posts all final reconciliation reports on their county website.

For the March 1, 2022 Primary Election, the final reconciliation report for the Republican Primary reflected the discrepancy between the number of voters voting and the number of ballots of 794 (.42%). The notes attached to the reconciliation form indicated:

- A clerical error in coding resulting in 1,084 mail ballots being posted as in person early votes.
- Provisional votes could not be distinguished on the voting rosters to determine whether the vote was cast during early voting or on election day.
- A clerical error resulted in 9 provisional ballots being scanned from the ballot box emergency slot.
- Due to equipment issues, hundreds of ballots were required to be duplicated and rescanned, further complicating the reconciliation process.

Election Reconciliation - Official Totals

County: HARRIS Election Name: Republican Primary
 Registered Voters: 2,498,570 Election Date: 3/1/2022

A. Total ballots approved for election	96,511	B. Total voters	96,071
C. Double vote ballots	80,487	D. Double vote voters	12,148
E. Provisional ballots	15,269	F. Provisional voters	3,116
G. Total ballots not scanned	895	H. Total voters not scanned	66
I. Total ballots scanned	193,162	J. Total voters scanned	3,182

K. Difference between voters and ballots scanned: 794 L. Difference as percentage of voters: 0.42%

M. Explanation for difference, if any: SEE ATTACHED SHEET

N. I certify that the information contained in the document accurately reflects the official reconciliation of votes and voters from the election and election day.

Andy Burdick Kathy Lambert 3/1/22

A. Total ballots not scanned	20,599	B. Provisional ballots scanned	1
C. Total ballots scanned	3,833	D. Total voters scanned	793

Mailed Ballot Votes

Mailed ballots approved by EVBB: 12,153
 Clerk error in coding caused 1,084 Ballot by Mail to be posted as in person Early Votes

Provisional Voters

Not able to separate voter rosters for provisional voters on Early Voting and Election Day voter roster/lists.
 Do not have a separate provisional voter roster to confirm removal from EV or ED rosters.
 Provisionals sent to EVBB: 895
 Rejected by EVBB: 66
 Empty provisional ballot envelopes: 48
 Clerk error caused 9 provisional ballots to be scanned from ballot box emergency slot.

Duplicated Ballots

Central Count team had to duplicate hundreds of ballots which had been placed in the emergency slot of the scanners at polling locations because one or more pages would not scan. Most often, page one scanned correctly, but page two jammed or was rejected. So, the central count team duplicated the ballot page which had not scanned properly and then rescanned it in central count. The team had the concern that some of the duplicated ballots may be counted as a new voter, thus unbalancing the voter-to-votes count.

SUMMARY

	Voter Roster/ Approved	Cast Ballots	Difference	Percentage
BBM	12,153	12,148	-5	0.04%
Early Voting	96,511	96,080	-431	0.45%
Election Day	80,487	80,172	-315	0.39%
Provisional	788	786	-2	0.25%
Total	189,939	189,186	-753	0.40%

92: Harris County Official Reconciliation Report for March 1, 2022 Republican Primary Election

⁶⁷ Tex. Elec. Code § 127.131(f).

The final reconciliation report for the Democratic Primary reflected the discrepancy between the number of voters voting and the number of ballots of 849 (.00502%). The county indicated that the difference needed further investigation. No additional note pages were included to explain the discrepancy for the Democratic results.

Election Reconciliation - Official Totals

County: Harris Election Name: Democratic Primary Electi
 Registered Voters: 2,998,570 Election Date: 3/1/2022

1 Voters		2 Reported ballots		3 Counted ballots	
A. Early voting in person voters	82,428			L. Early voting ballots counted	81,704
B. Election day in person voters	67,796			J. Election day ballots counted	67,665
C. Mail ballot voters	21,610	F. Mail ballots reported	3,818	K. Mail ballots counted	17,810
D. Provisional ballots submitted	1,036	G. Provisional ballots reported	96	L. Provisional ballots counted	928
E. Total voters (A+B+C+D)	172,870	H. Total ballots reported (F+G)	3,914	M. Total ballots counted (J+K+L)	168,107

4. Comparison of voters and counted ballots

A. Difference between voters and ballots
(E-H) 849 D. Difference as percentage of voters
(A-B+C+D) .00502%

B. Explanation for difference, if any
Needs further investigation

5. Attestation

C. I certify that the information contained in this document accurately reflects the official reconciliation of votes and voters from the above
 named election.

[Signature] *[Signature]* 03-10-2022
 Election Judge County Clerk Date

6. Mail ballots		7. Provisional ballots	
A. Mail ballots sent	29,602	G. Provisional ballots submitted	12
B. Mail ballots not received by voter	5,741		
F. Mail ballots unreturned	1,268		

Figure 93: Harris County Official Reconciliation Report for March 1, 2022 Democratic Primary Election

Votes Cast vs. Votes Counted

An analysis of Harris County data was conducted to validate the reconciliation of the number of voters who checked in to vote at each polling location compared to the number of votes reported by each polling location for the four statewide elections. This reconciliation included a detailed analysis of several reports produced by the ContentActive Pollbook and the Hart Verity System as well as the Harris County Final Reconciliation Reports. The reports used included the:

1. Hart Verity Count Audit Log Report;
2. Hart Verity Final Cumulative Report;
3. Hart vDrive Status Report;
4. Hart Verity Polling Place Report; and
5. ContentActive Pollbook Check-In Report.

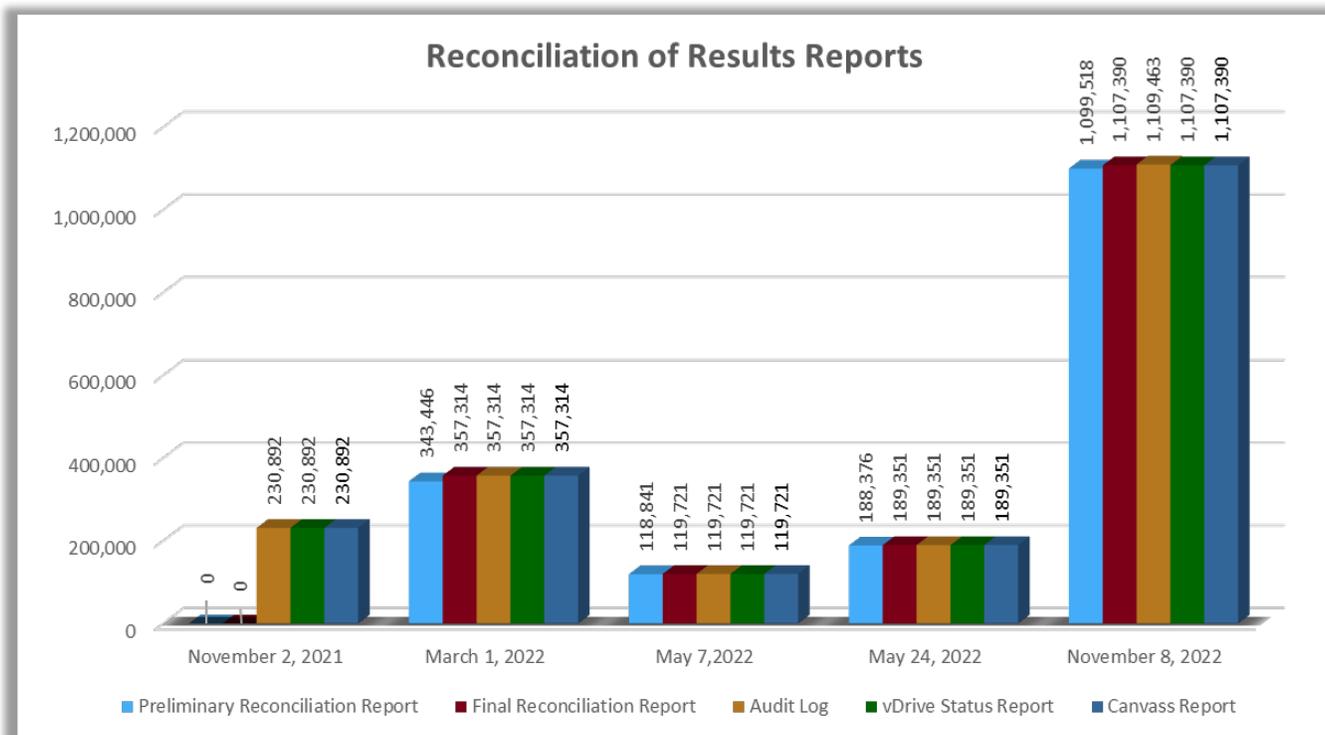


Figure 94: Reconciliation of Results Reports

In comparing the Preliminary Reconciliation Report, Final Reconciliation Report, the Hart Verity Count Audit Log Report, Hart vDrive Status Report, and the official Canvass Report, several discrepancies were identified. All elections, with the exception of the November 2, 2021 Special Election,⁶⁸ show an increase in the total number of votes from the Preliminary Reconciliation to the four additional reports reviewed. These increases are consistent with the addition of accepted late arriving mail ballots and accepted provisional ballots. However, significant increases in the total number of votes cast is reflected in the March 1, 2022 and November 8, 2022 comparative analysis.

To look more closely at each election, the audit team compared the total number of voters as listed on the Hart Verity Count Audit Log Report to the ContentActive Pollbook Check-In Report. For this comparison to be effective, the audit team removed the mail ballots, provisional ballots, and limited ballots from the audit report totals.

⁶⁸ Reconciliation reports were not required for the November 2, 2021 election.

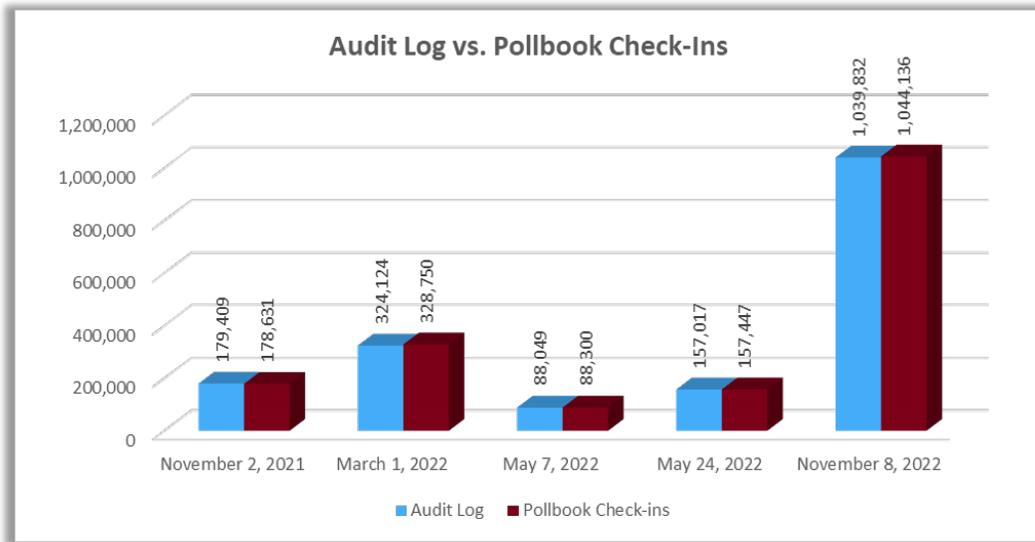


Figure 95: Hart Verity Count Audit Log Report vs. ContentActive Pollbook Check-In Report

The Hart Verity Count Audit Log Report, as compared to the ContentActive Pollbook Check-In Report, similarly reflected significant discrepancies. For the November 2, 2021 election, the analysis reveals a higher number of votes cast than voters that checked in to the polling location to cast a ballot. This discrepancy is consistent with possible fleeing voters and the inconsistent inclusion of provisional voters at some locations. The remaining four elections reflect more voter check-ins than votes cast. Most significantly, the March 1, 2022 Primary Election shows a difference of 4,626 and the November 8, 2022 General Election shows a difference of 4,304.

Discrepancies

One election in the audit period, the March 1, 2022 Primary Election, produced a discrepancy of more than one percent between the ContentActive Pollbook Check-In Report and the Hart Verity Count Audit Log Report.

March 1, 2022 Primary Election

The Harris County Preliminary Reconciliation Report recognized the imbalance in the number of voters appearing to cast a ballot and the number of votes tallied. Specifically, the report identified a difference of 10,072 more voters and votes. After further investigation, the county indicated that approximately 10,000 ballots, including approximately 6,000 votes for Democratic Primary and 4,000 votes for the Republican Primary, had been scanned but were not transferred to the tabulation system and therefore not included in the unofficial results. The quantity of ballots not included in the election results reporting was sizable enough to impact the outcome of several key races on the Harris County ballot. The election administrator attributed this oversight to employee fatigue and a clerical error by the tabulation supervisor.

Based on the Final Reconciliation Report posted by Harris County following the inclusion of the 10,000 ballots and based on the canvassed results, the county showed a difference of 849 for the

Democratic Primary and 794 for the Republican Primary. This results in a total difference of 1,643. In comparing these reported totals to the media status report, which shows combined totals for both primary elections, the audit team was about to validate accepted mail ballot and accepted limited ballots. The media status report reflects 8 more accepted provisional votes than the reconciliation report.

When investigating the higher number of in-person voter check-ins than votes cast, the audit team initially identified a difference of 4,626. However, further inspection of the media status report identified a total of 1,479 votes that were added but not labeled. Though the audit team could confirm that these were votes cast in-person, there was no indication of when the voting occurred or at what location.

As previously reported, the March 1, 2022 Primary Election was overwhelmed with equipment issues resulting in 2,482 ballots being placed in the emergency slot. These ballots required the county to complete the ballot duplication process as outlined in the county Central Counting Station Plan. Specifically, the second page of the two-page Harris County ballot had to be duplicated and matched to the appropriate voter. Based on a review of the Batch Summary Report, the audit team confirmed that 1,479 of the ballots placed in the emergency slot were duplicated and subsequently counted. The audit team concluded that the unlabeled vDrives listed on the media status report were the votes from the ballots placed in the emergency slot.

When the 1,479 votes are added to the in-person vote total, the discrepancy between the number of voter check-ins and the votes cast was reduced to 3,147. The audit team could not conclusively determine the cause of the additional voter check-ins. However, with over 8,000 spoiled ballots, a failure to properly cancel a voter check-in or the duplication of a voter check-in during the reprint process could be a contributing factor. Likewise, this number could be impacted by voters fleeing the polling location prior to casting a ballot. Ultimately, the remaining difference is a further complication of the equipment malfunctions experienced during the March 1, 2022 Primary Election.

November 8, 2022 General Election

The final reconciliation report for the November 8, 2022 General Election reflected a discrepancy between the number of voters voting and the number of ballots of 1,190 (.107%). The ContentActive ePollbook Signature Report included a total of 693,321 voters for early voting and 350,815 voters for election day that signed in to cast a vote. The ContentActive ePollbook Voter Roster Report showed a total of 692,614 voters for early voting and 349,672 voters for election day that completed the check-in process. This produced a discrepancy of 707 voters for early voting and 1,143 voters for election day between the two reports.

Further analysis revealed a total of 82 early voting and 184 election day polling locations showing a difference between the two reports. Of the 82 early voting locations, 18 locations showed a difference of 12 voters or more between the two reports. Of the 184 election day locations, 7 locations showed a difference of 12 voters or more between the two reports. Though the team was able to locate information for some polling locations, this effort did not produce clarity

related to the discrepancy due to inconsistent and missing paperwork. However, the team further concluded that, for some polling locations, the numbers reflected on this report may include provisional voters, which could contribute to the discrepancies listed above.

When comparing the Hart Verity Count Audit Log Report to the Hart Verity Final Cumulative Report, a significant discrepancy in the total number of ballots was identified. Further analysis revealed that one vDrive appeared to be a duplication or double count of the election day provisional vote count on the Hart Verity Count Audit Log Report. The same device ID was used and the total was counted twice in the total number of ballots. With the deduction of this duplication, the two Hart reports reconciled and matched the total number of ballots counted as listed on the Harris County Final Reconciliation Report.

While these are plausible explanations for the identified differences in this data, the audit team cannot conclusively determine the exact cause of these discrepancies. More detailed information related to the analysis of the November 8, 2022 General Election can be reviewed in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#).⁶⁹

⁶⁹ Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 112, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

POST-ELECTION REPORTING

Findings

- Harris County failed to submit the statutorily required precinct by precinct report to the Secretary of State for the November 8, 2022 General Election.
- Discrepancies between the number of votes cast and the number of voting history records in the statewide voter registration system reflect a difference of 2,978 voters for the November 8, 2022 General Election. This results in voters being unable to validate their voting participation record despite their vote being counted.

Partial Manual Count

To ensure the accuracy of the tabulation of electronic voting system results, the general custodian of election records must conduct a partial manual count of selected races in at least one percent of the election precincts or in three precincts, whichever is greater, in which the electronic voting system was used.⁷⁰

Counties are required to post a notice of the date, hour, and place of the count.⁷¹ Though Harris County provided documentation of a public notice for the November 8, 2022 General Election, the county did not include a public notice for all elections during the audit period.

Harris County did submit electronic results of the partial manual count for all elections conducted during the audit period through the statewide portal as required.

While conducting a review of the March 1, 2022 Primary Election, minor discrepancies were identified by Harris County on their results summary report as compared to their reported canvass totals.

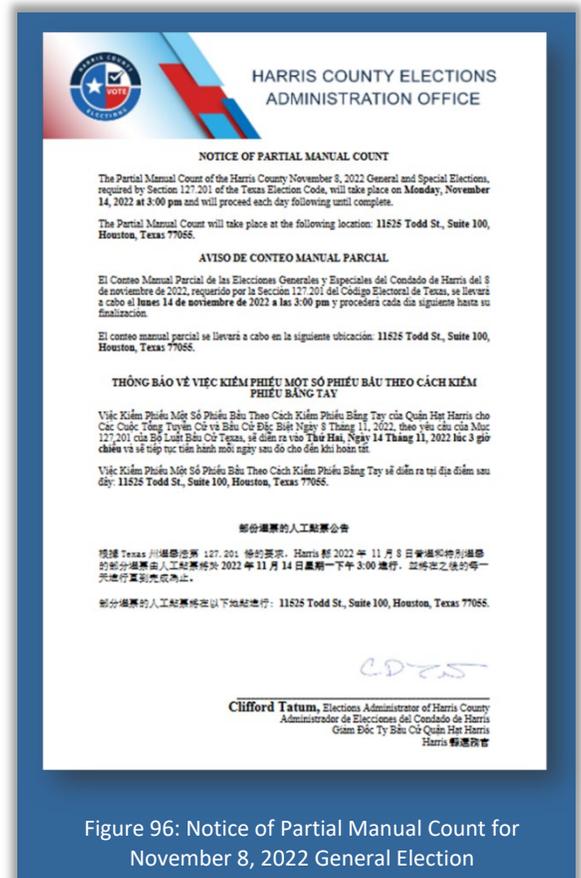


Figure 96: Notice of Partial Manual Count for November 8, 2022 General Election

⁷⁰ Tex. Elec. Code § 127.201.

⁷¹ Tex. Elec. Code § 127.201(c).

The precincts assigned by the Secretary of State for the partial manual count for the March 1, 2022 Primary Election for early voting were precincts 36, 200, 378, 402, 508, 545, 549, 557, 836, and 1087. The race selected for the manual hand count was the Comptroller of Public Accounts.

Harris County participates in the Countywide Polling Place program and selected to conduct the partial manual count using the alternate polling location assignments for election day. The selected polling locations included the Above & Beyond Fellowship (42), El Franco Lee Community Center (12), Hampton Inn & Suites (64), and Theiss Elementary School (34).

Harris County could not locate the tally sheets or list of participants for the partial manual count for the March 1, 2022 Primary Election. Therefore, the audit team was unable to verify the total counts based on the tally activity.

For early voting for the Democratic Primary, a difference of 2 votes was identified between the electronic count and the county summary results for precinct 549. This difference reflected one additional vote for Janet T. Dudding and one vote for Angel Luis Vega.

Polling Location/ Precinct	Candidate	Electronic Count	Tally Sheet Result	County Summary Report	PMC Submission
549	Janet T. Dudding	87	NA	88	88
	Angel Luis Vega	30	NA	31	31
	Tim Mahoney	35	NA	35	35

Figure 97: Early Voting Partial Manual Count Results for the March 1, 2022 Democratic Primary

Harris County reported no discrepancies for the Democratic Primary for the partial manual count for ballot by mail or election day.

For the Republican Primary, a difference of 1 vote was identified between the electronic count and the county summary. This difference reflected one additional vote for Mark V. Goloby.

Polling Location/ Precinct	Candidate	Electronic Count	Tally Sheet Result	County Summary Report	PMC Submission
El Franco Lee Community Center (12)	Glen Hegar	233	NA	233	233
	Mark V. Goloby	62	NA	63	63

Figure 98: Election Day Partial Manual Count Results for the March 1, 2022 Republican Primary

Harris County reported no discrepancies for the Republican Primary for the partial manual count for early voting or ballot by mail.

A review of the partial manual count for the November 2, 2021 Special Election indicated a discrepancy of four (4) votes between the electronic count and county summary report for Proposition 1. Harris County did not provide any documentation related to the May 24, 2022

Primary Runoff Election. An analysis of the November 8, 2022 General Election is included in the [Preliminary Findings Report for November 8, 2022 General Election for Harris County](#).⁷²

Canvass

The county clerk or election administrator is required to prepare county election returns including the total number of votes received for each candidate or measure on the election ballot.⁷³ The official results must be submitted to the Secretary of State following the local canvass.

For the November 8, 2022 General Election, the canvass was submitted on November 22, 2022. The documents were signed by the election administrator and included the county seal as required.

The report indicated a total of 1,107,390 votes cast including 4,333 accepted provisional ballots. This information matches the final reconciliation form submitted by Harris County as part of the audit documentation.

Texas Secretary of State

Canvass Report
2022 NOVEMBER 8TH GENERAL ELECTION
November 08, 2022

HARRIS

Total # of Voters Voted:	1107390
Provisional Votes Counted:	4333

Votes

GOVERNOR

Greg Abbott	REP	490261
Beto O'Rourke	DEM	595653
Mark Tippetts	LIB	11812
Delliah Barrios	GRE	4526
Jacqueline Abernathy	WRI	122
Mark V Goloby	WRI	44

I, DILLHA KIM NGUYEN, HARRIS County Election Administrator (Senior) do hereby certify the returns as shown on the official canvass

 _____ 11/22/2022
Signature Date



Figure 99: Harris County Canvass Report for the November 8, 2022 General Election

⁷² Preliminary Findings Report for November 8, 2022 General Election, Texas Secretary of State (October 2023), pg. 122, <https://www.sos.state.tx.us/elections/fad/harris-county-preliminary-findings-report.pdf>.

⁷³ Tex. Elec. Code § 67.007.

Precinct by Precinct Report

After each election, the county clerk or election administrator must prepare a report of the number of votes received in each precinct for each candidate for each of those offices.⁷⁴ Harris County was compliant with the submission of the precinct by precinct report⁷⁵ for all elections, except the November 8, 2022 General Election.

Voting History Report

Harris County completed the voter history submission for the November 8, 2022 General Election on December 16, 2022. The comparative report indicates a difference of 2,978 between the number of votes cast as reflected in the canvass report and the number of voting history files present in the statewide system for the election as submitted by Harris County. As previously reported, there was also a discrepancy in the number of mail ballots returned and accepted between the county voter registration system and the statewide voter registration system. The difference identified during the voting history review is likely due to the inconsistency of the reporting of mail ballot activity by the county or late arriving voter registrations that were processed by the county but not submitted to the state system.

Additional Vote History Reporting

The early voting clerk must maintain a roster of voters who vote by mail, in-person during the early voting period, and on election day.⁷⁶ Additionally, for general elections for state and county officers, this information must be submitted to the Secretary of State to be posted on the Secretary of State's website by 11:00 a.m. the following day in a downloadable format.

Early voting and election day rosters are submitted to the Secretary of State through the statewide system. Therefore, all counties must submit updated voting history records within 24 hours after receipt of a mail ballot and within 24 hours after a person has cast a ballot during the early voting period or on election day.

Information displayed on the Secretary of State's website is dependent on the provision of accurate and timely information by each county. For counties directly using the statewide system, the information is entered on a daily basis and is presented for public review. For counties using a third-party vendor, the information is submitted each evening as is available the following morning.

Harris County personnel uploads the voting history report at the conclusion of each day of early voting and on election day. The statewide election administration system confirms that the county was compliant with all voting history submissions.

⁷⁴ Tex. Elec. Code § 67.017.

⁷⁵ Tex. Elec. Code § 67.017.

⁷⁶ Tex. Elec. Code § 87.121.

Voting Participation Review

The Secretary of State, in collaboration with other states, conducts a thorough review of voters who may have voted in more than one state or jurisdiction as well as those who may have been deceased at the time of the election. The voter participation review for the November 8, 2022 General Election did not identify any voters that records indicate were deceased when the vote was cast or any voters that cast a ballot in more than one county in Texas. However, the review did identify 21 voters that may have voted in Harris County and another state. These records have been provided to the Office of the Attorney General (OAG) for further review.

CONCLUSION

Following the comprehensive review of the elections conducted in Harris County during the 2021-2022 audit period, the audit team identified the following areas of needed improvement across all elections.

Training for Election Judges and Clerks was Inadequate

Harris County transitioned from a Direct Recording Electronic (DRE) voting system to a voter verifiable paper-based system prior to the May 2021 Election. The training for Harris County covered general procedures and responsibilities and a hands-on opportunity to learn how to setup up voting equipment as well as how to accurately complete polling location forms, in-depth video presentations related to the polling location equipment, curbside voting, and closing procedures for the polling location. However, the hands-on portion of the training was not mandatory. Failure to require this training for all election workers meant that not all workers were familiar with the use and operation of the county's voting system equipment and may have impacted the high percentage of equipment malfunctions that first occurred in the November 2021 Constitutional Amendment Election.

The county did not adequately address these training issues prior to the March 1, 2022 Primary Election. Additionally, the equipment issues that election workers and voters first experienced in the November 2, 2021 Special Election were compounded with the necessity for a two-page ballot for the March 1, 2022 Primary Election and the November 8, 2022 General Election. Had Harris County evaluated the issues that first occurred in the November 2, 2021 Special Election and were exacerbated with a two-page ballot in the March 1, 2022 Primary Election, they would have identified a clear pattern of issues related to equipment use that could have been addressed with more hands-on training and detailed training materials including troubleshooting guidance.

Equipment and Supply Issues Led to Gaps in Voting in Multiple Elections

Comprehensive data analysis, pinpointing polling locations that had at least one hour of no voter check-in activity and a documented request for technical assistance, revealed widespread issues with insufficient training and voting system equipment failures that led to an elevated demand of ballot paper supply due to damaged or spoiled ballots. This spiral of issues occurred in all of the statewide elections conducted during the audit period.

Data Inconsistencies Across Different Platforms

The statewide voter registration system is the official list of registered voters in an election. However, Harris County maintains a voter registration system that is independent from the statewide voter registration system. Though the two systems should have identical information, discrepancies exist between the county and state voter registration systems. Based on the information obtained from Harris County, the Secretary of State is unable to definitively identify the exact cause of these discrepancies, though it is reflective of the difficulty in aligning the

various election systems utilized in Harris County. While the inconsistencies may seem minor in comparison to the total numbers of registered voters, the inconsistencies make it difficult to validate election data.

List Maintenance Activities

Both state and federal law require counties to continuously update their voter registration lists to ensure that only eligible voters are registered to vote in the county in which they reside. During the audit period, Harris County cancelled 45,830 voter registrations following a county review of voters who may have been deceased, 880 voter registrations were cancelled due to felony convictions, and 1,136 voter registrations were cancelled due to non-citizenship. A total of 100,328 voter registrations were cancelled for duplicative registration records or for voters who may have moved to other Texas counties. Harris County should process voter registration applications and record updates in a timely manner. Likewise, the county should prioritize all list maintenance activities to ensure that only eligible voters are able to cast a vote in Harris County.

LOCAL ENTITY ELECTIONS

Findings

- The majority of local entities reported that they have written policies and procedures in place for the administration of their elections. Additionally, election records are retained in compliance with state law.
- The majority of local entities utilize the Secretary of State online training and resources for training election workers in state law and polling place procedures.
- Local entities rely heavily on voting system vendors for support in programming and managing voting system equipment.
- The local entity responses largely indicate compliance with all legal requirements related to the security of voting system equipment, electronic media, and election supplies.

Overview

As part of the audit process, the Secretary of State compiled a list of all known political subdivisions in each county. Specifically, the list was focused on cities, schools, and water districts. An initial inquiry was sent to each identified political subdivision requesting information related to all elections conducted during the 2021-2022 audit period. The following list contains entities that responded to the Secretary of State inquiry and reported that they conducted their own elections. Below are the responses provided summarizing how each entity administers their election.

May 1, 2021 Uniform Election
City of Deer Park
City of Hedwig Village
City of Katy
City of La Porte
City of Seabrook
Clear Creek Independent School District (ISD)
Harris County Emergency Services District (ESD) 16
La Porte Independent School District (ISD)
Spring Branch Independent School District (ISD)
May 5, 2021 Election
City of Jersey Village
May 7, 2022 Uniform Election
City of Deer Park
City of Galena Park

City of Hedwig Village
City of Hillshire Village
City of Seabrook
City of Shoreacres
Clear Creek Independent School District (ISD)
Crosby Municipal Utility District (MUD)
Deer Park Independent School District (ISD)
Galena Park Independent School District (ISD)
Harris County Emergency Services District (ESD) 10
Harris County Emergency Services District (ESD) 11
Harris County Emergency Services District (ESD) 16
Harris County Emergency Services District (ESD) 29
Harris County Emergency Services District (ESD) 4
Harris County Emergency Services District (ESD) 80
Harris County Emergency Services District (ESD) 9
Spring Branch Independent School District (ISD)
June 11, 2022 Runoff Election
City of Seabrook

Policies & Procedures

May 1, 2021	Written Election Policies & Procedures	Written Security Plan	Access-Control to Voting Equipment	Retention of Election Records for 22 months	Central Counting Station Plan
City of Deer Park	Yes	No	Yes	Yes	No
City of Hedwig Village	No	No	Yes	Yes	No
City of Katy	Yes	No	Yes	Yes	No
City of La Porte	No	No	Yes	Yes	No
City of Seabrook	Yes	No	Yes	Yes	Yes
Clear Creek ISD	Yes	Yes	Yes	Yes	No
Harris County ESD 16	Yes	No	Yes	Yes	No
La Porte ISD	Yes	Yes	Yes	Yes	No
Spring Branch ISD	No	No	Yes	Yes	Yes
May 5, 2021	Written Election Policies & Procedures	Written Security Plan	Access-Control to Voting Equipment	Retention of Election Records for 22 months	Central Counting Station Plan
City of Jersey Village	Yes	No	Yes	Yes	No
May 7, 2022	Written Election Policies & Procedures	Written Security Plan	Access-Control to Voting Equipment	Retention of Election Records for 22 months	Central Counting Station Plan
City of Deer Park	Yes	No	Yes	Yes	No
City of Galena Park	Yes	No	Yes	Yes	Yes

City of Hedwig Village	No	No	Yes	Yes	No
City of Hillshire Village	Yes	Yes	Yes	Yes	No
City of Seabrook	Yes	No	Yes	Yes	Yes
City of Shoreacres	No	No	Yes	Yes	Yes
Clear Creek ISD	Yes	Yes	Yes	Yes	No
Crosby MUD	No	No	Yes	Yes	No
Deer Park ISD	Yes	No	Yes	Yes	Yes
Galena Park ISD	Yes	Yes	Yes	Yes	Yes
Harris County ESD 10	Yes	No	Yes	Yes	No
Harris County ESD 11	Yes	Yes	Yes	Yes	No
Harris County ESD 16	Yes	No	Yes	Yes	No
Harris County ESD 29	Yes	No	Yes	Yes	No
Harris County ESD 4	Yes	No	Yes	Yes	No
Harris County ESD 80	Yes	No	Yes	Yes	No
Harris County ESD 9	Yes	No	Yes	Yes	No
Spring Branch ISD	No	No	Yes	Yes	Yes
June 11, 2022	Written Election Policies & Procedures	Written Security Plan	Access-Control to Voting Equipment	Retention of Election Records for 22 months	Central Counting Station Plan
City of Seabrook	Yes	No	Yes	Yes	Yes

Election Worker Training

May 1, 2021	Election Worker Training Provided by Entity	Secretary of State Training Used	Number of Trained Election Workers
City of Deer Park	Yes	Yes	3
City of Hedwig Village	No	Yes	10
City of Katy	Yes	Yes	12
City of La Porte	Yes	Yes	15
City of Seabrook	No	Yes	6
Clear Creek ISD	Yes	Yes	35
Harris County ESD 16	Yes	No	7
La Porte ISD	No	Yes	4
Spring Branch ISD	Yes	Yes	27
May 5, 2021	Election Worker Training Provided by Entity	Secretary of State Training Utilized	Number of Trained Election Workers
City of Jersey Village	No	No	8
May 7, 2022	Election Worker Training Provided by Entity	Secretary of State Training Utilized	Number of Trained Election Workers
City of Deer Park	Yes	Yes	4
City of Galena Park	Yes	Yes	10
City of Hedwig Village	Yes	No	8

City of Hillshire Village	Yes	No	9
City of Seabrook	Yes	No	7
City of Shoreacres	No	Yes	5
Clear Creek ISD	Yes	Yes	36
Crosby MUD	Yes	No	4
Deer Park ISD	No	Yes	0
Galena Park ISD	Yes	Yes	38
Harris County ESD 10	Yes	Yes	8
Harris County ESD 11	Yes	Yes	42
Harris County ESD 16	Yes	Yes	12
Harris County ESD 29	Yes	Yes	6
Harris County ESD 4	Yes	Yes	7
Harris County ESD 80	Yes	Yes	5
Harris County ESD 9	Yes	Yes	21
Spring Branch ISD	Yes	Yes	33
June 11, 2022	Election Worker Training Provided by Entity	Secretary of State Training Utilized	Number of Trained Election Workers
City of Seabrook	Yes	No	7

Ballot Preparation

May 1, 2021	Ballots Programmed by Entity	Ballots Programmed by Vendor	Vendor	Logic & Accuracy (L&A) Test Conducted
City of Deer Park	No	Yes	Hart	Yes
City of Hedwig Village	No	Yes	ES&S	No
City of Katy	No	Yes	Hart	Yes
City of La Porte	No	Yes	Hart	Yes
City of Seabrook	No	Yes	Hart	Yes
Clear Creek ISD	No	Yes	Hart	Yes
Harris County ESD 16	Yes	Yes	Hart	Yes
La Porte ISD	No	Yes	Hart	Yes
Spring Branch ISD	Yes	N/A	Enterprise Applications	Yes
May 5, 2021	Ballots Programmed by Entity	Ballots Programmed by Vendor	Vendor	Logic & Accuracy (L&A) Test Conducted
City of Jersey Village	No	Yes	ES&S	No
May 7, 2022	Ballots Programmed by Entity	Ballots Programmed by Vendor	Vendor	Logic & Accuracy (L&A) Test Conducted

City of Deer Park	No	Yes	Hart	Yes
City of Galena Park	No	Yes	Hart	Yes
City of Hedwig Village	No	Yes	ES&S	No
City of Hillshire Village	No	Yes	ES&S	Yes
City of Seabrook	No	Yes	Hart	Yes
City of Shoreacres	No	Yes	Hart	Yes
Clear Creek ISD	No	Yes	Hart	Yes
Crosby MUD	No	Yes	ES&S	Yes
Deer Park ISD	No	Yes	Hart	Yes
Galena Park ISD	No	Yes	Hart	Yes
Harris County ESD 10	Yes	Yes	Hart	Yes
Harris County ESD 11	No	Yes	Hart	Yes
Harris County ESD 16	Yes	Yes	Hart	Yes
Harris County ESD 29	Yes	Yes	Hart	Yes
Harris County ESD 4	Yes	Yes	Hart	Yes
Harris County ESD 80	Yes	Yes	Hart	Yes
Harris County ESD 9	Yes	Yes	Hart	Yes
Spring Branch ISD	Yes	N/A	Enterprise Applications	Yes
June 11, 2022	Ballots Programmed by Entity	Ballots Programmed by Vendor	Vendor	Logic & Accuracy (L&A) Test Conducted
City of Seabrook	No	Yes	Hart	Yes

Inventory of Equipment & Supplies

May 1, 2021	Inventory of Equipment & Supplies	Tracking of Electronic Media	Inventory of Voting System Equipment	Review of Supplies, Equipment, & Polling Location Forms
City of Deer Park	Yes	No	Yes	Yes
City of Hedwig Village	Yes	Yes	Yes	Yes
City of Katy	Yes	Yes	Yes	Yes
City of La Porte	Yes	Yes	Yes	Yes
City of Seabrook	Yes	Yes	Yes	Yes
Clear Creek ISD	Yes	Yes	Yes	Yes
Harris County ESD 16	Yes	Yes	Yes	Yes
La Porte ISD	Yes	Yes	Yes	Yes
Spring Branch ISD	Yes	Yes	Yes	Yes
May 5, 2021	Inventory of Equipment & Supplies	Tracking of Electronic Media	Inventory of Voting System Equipment	Review of Supplies, Equipment, & Polling Location Forms
City of Jersey Village	Yes	Yes	Yes	Yes

May 7, 2022	Inventory of Equipment & Supplies	Tracking of Electronic Media	Inventory of Voting System Equipment	Review of Supplies, Equipment, & Polling Location Forms
City of Deer Park	Yes	No	Yes	Yes
City of Galena Park	Yes	Yes	Yes	Yes
City of Hedwig Village	Yes	Yes	Yes	Yes
City of Hillshire Village	Yes	Yes	Yes	Yes
City of Seabrook	Yes	Yes	Yes	Yes
City of Shoreacres	Yes	No	Yes	Yes
Clear Creek ISD	Yes	Yes	Yes	Yes
Crosby MUD	Yes	Yes	Yes	No
Deer Park ISD	Yes	Yes	Yes	Yes
Galena Park ISD	Yes	Yes	Yes	Yes
Harris County ESD 10	Yes	Yes	Yes	Yes
Harris County ESD 11	Yes	Yes	Yes	Yes
Harris County ESD 16	Yes	Yes	Yes	Yes
Harris County ESD 29	Yes	Yes	Yes	Yes
Harris County ESD 4	Yes	Yes	Yes	Yes
Harris County ESD 80	Yes	Yes	Yes	Yes
Harris County ESD 9	Yes	Yes	Yes	Yes
Spring Branch ISD	Yes	Yes	Yes	Yes
June 11, 2022	Inventory of Equipment & Supplies	Tracking of Electronic Media	Inventory of Voting System Equipment	Review of Supplies, Equipment, & Polling Location Forms
City of Seabrook	Yes	Yes	Yes	Yes

Voting Equipment

May 1, 2021	Voting Equipment	Accessible Voting Equipment	Electronic Pollbook	Pollbook Programmed by Vendor
City of Deer Park	eSlate	eSlate	N/A	N/A
City of Hedwig Village	Paper Ballots	AutoMark	N/A	N/A
City of Katy	eSlate	eSlate	N/A	N/A
City of La Porte	Hart	Hart DAU	Knowink	Yes
City of Seabrook	HVS 6.2.1	HVS	NA	N/A
Clear Creek ISD	eSlate	eSlate	N/A	N/A
Harris County ESD 16	eSlate	eSlate	Knowink	Yes
La Porte ISD	eSlate	eSlate	N/A	N/A
Spring Branch ISD	Controller & Touch	Touch with Access	Knowink	N/A
May 5, 2021	Voting Equipment	Accessible Voting Equipment	Electronic Pollbook	Pollbook Programmed by Vendor

City of Jersey Village	ExpressVote	ExpressVote	N/A	N/A
May 7, 2022	Voting Equipment	Accessible Voting Equipment	Electronic Pollbook	Pollbook Programmed by Vendor
City of Deer Park	eSlate	eSlate	N/A	N/A
City of Galena Park	eSlate	eSlate	N/A	N/A
City of Hedwig Village	Paper Ballots	AutoMark	N/A	N/A
City of Hillshire Village	AutoMark	AutoMark	N/A	N/A
City of Seabrook	HVS 6.2.1	HVS	N/A	N/A
City of Shoreacres	eSlate	eSlate	N/A	N/A
Clear Creek ISD	Duo	Duo	N/A	N/A
Crosby MUD	IVotronic	IVotronic	N/A	Yes
Deer Park ISD	Duo, Scanner	Duo	Knowink	Yes
Galena Park ISD	eSlate	eSlate	N/A	N/A
Harris County ESD 10	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 11	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 16	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 29	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 4	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 80	Controller, Duo and Scan	Duo	Knowink	Yes
Harris County ESD 9	Controller, Duo and Scan	Duo	Knowink	Yes
Spring Branch ISD	Controller, Duo and Scan	Duo	Knowink	N/A
June 11, 2022	Voting Equipment	Accessible Voting Equipment	Electronic Pollbook	Pollbook Programmed by Vendor
City of Seabrook	HVS 6.2.1	HVS	N/A	N/A

Ballot by Mail

May 1, 2021	Number of Ballots Mailed	Number of Ballots Received	Number of Ballots Accepted	Number of Ballots Rejected	Early Voting Ballot Board
City of Deer Park	21	17	17	0	Yes
City of Hedwig Village	3	3	3	0	Yes
City of Katy	25	18	17	1	Yes
City of La Porte	46	38	37	1	Yes
City of Seabrook	11	6	6	0	Yes
Clear Creek ISD	681	351	341	10	Yes
Harris County ESD 16	128	75	74	1	Yes
La Porte ISD	5	0	0	0	No
Spring Branch ISD	99	61	60	1	Yes

May 5, 2021	Number of Ballots Mailed	Number of Ballots Received	Number of Ballots Accepted	Number of Ballots Rejected	Early Voting Ballot Board
City of Jersey Village	6	6	6	0	Election Day
May 7, 2022	Number of Ballots Mailed	Number of Ballots Received	Number of Ballots Accepted	Number of Ballots Rejected	Early Voting Ballot Board
City of Deer Park	727	403	397	6	Yes
City of Galena Park	79	58	58	0	Yes
City of Hedwig Village	39	37	37	0	Yes
City of Hillshire Village	27	25	25	0	No
City of Seabrook	293	137	137	0	Yes
City of Shoreacres	0	0	0	0	Yes
Clear Creek ISD	5200	2429	2036	394	Yes
Crosby MUD	20	11	11	0	Yes
Deer Park ISD	999	523	519	5	Yes
Galena Park ISD	899	439	426	14	Yes
Harris County ESD 10	473	221	167	54	Yes
Harris County ESD 11	6771	2784	2305	478	Yes
Harris County ESD 16	2360	789	663	126	Yes
Harris County ESD 29	572	193	158	35	Yes
Harris County ESD 4	162	55	51	3	Yes
Harris County ESD 80	425	157	117	40	Yes
Harris County ESD 9	4225	1974	1661	313	Yes
Spring Branch ISD	2777	1575	1431	144	Yes
June 11, 2022	Number of Ballots Mailed	Number of Ballots Received	Number of Ballots Accepted	Number of Ballots Rejected	Early Voting Ballot Board
City of Seabrook	293	98	98	0	Yes

Voting in Person

May 1, 2021	Number of Early Voting Polling Locations	Number of Election Day Polling Locations	Early Voting Ballots Cast	Election Day Ballots Cast	Provisional Ballots Counted
City of Deer Park	1	1	386	381	0
City of Hedwig Village	1	1	366	253	0
City of Katy	1	2	794	598	0
City of La Porte	2	3	656	367	0

City of Seabrook	1	1	237	267	0
Clear Creek ISD	4	11	5972	3738	8
Harris County ESD 16	1	1	62	122	0
La Porte ISD	1	1	15	10	0
Spring Branch ISD	4	7	5634	3107	28
May 5, 2021	Number of Early Voting Polling Locations	Number of Election Day Polling Locations	Early Voting Ballots Cast	Election Day Ballots Cast	Provisional Ballots Counted
City of Jersey Village	1	1	812	476	0
May 7, 2022	Number of Early Voting Polling Locations	Number of Election Day Polling Locations	Early Voting Ballots Cast	Election Day Ballots Cast	Provisional Ballots Counted
City of Deer Park	1	1	648	450	0
City of Galena Park	1	2	612	312	0
City of Hedwig Village	1	1	229	114	0
City of Hillshire Village	1	1	124	43	0
City of Seabrook	1	1	398	207	0
City of Shoreacres	1	1	49	36	0
Clear Creek ISD	4	11	6397	3286	16
Crosby MUD	1	1	45	19	1
Deer Park ISD	1	4	628	402	0
Galena Park ISD	2	6	458	241	0
Harris County ESD 10	2	2	31	48	0
Harris County ESD 11	5	5	1101	556	26
Harris County ESD 16	1	1	212	224	0
Harris County ESD 29	1	1	60	42	0
Harris County ESD 4	1	1	36	14	0
Harris County ESD 80	1	1	67	72	0
Harris County ESD 9	1	5	1171	991	4
Spring Branch ISD	5	7	8509	3936	52
June 11, 2022	Number of Early Voting Polling Locations	Number of Election Day Polling Locations	Early Voting Ballots Cast	Election Day Ballots Cast	Provisional Ballots Counted
City of Seabrook	1	1	374	163	0

Post-Election Audit

May 1, 2021	Conducted Partial Manual Count
City of Deer Park	No
City of Hedwig Village	No
City of Katy	No
City of La Porte	No
City of Seabrook	Yes
Clear Creek ISD	No
Harris County ESD 16	Yes
La Porte ISD	No
Spring Branch ISD	Yes
May 5, 2021	Conducted Partial Manual Count
City of Jersey Village	No
May 7, 2022	Conducted Partial Manual Count
City of Deer Park	No
City of Galena Park	Yes
City of Hedwig Village	No
City of Hillshire Village	Yes
City of Seabrook	Yes
City of Shoreacres	Yes
Clear Creek ISD	No
Crosby MUD	No
Deer Park ISD	No
Galena Park ISD	Yes
Harris County ESD 10	Yes
Harris County ESD 11	Yes
Harris County ESD 16	Yes
Harris County ESD 29	Yes
Harris County ESD 4	Yes
Harris County ESD 80	Yes
Harris County ESD 9	Yes
Spring Branch ISD	Yes
June 11, 2022	Conducted Partial Manual Count
City of Seabrook	Yes