



# Herriman City



## Community Risk Assessment

### Herriman City

UFA has two stations within the Herriman City, covering a total of 23 square miles with a population of 62,755 as of 2024 and responded to 5,564 calls for service from 2022-2024.

Municipality	Population	Population Percentage of UFA	Square Miles	Population Density per Sq Mile	Classification	Value of Structures Protected
Herriman City	62,755	13.07%	23	2,711	Urban	\$4.8B

Herriman City has increased its population from 55,144 in 2020 to 62,755 in 2024, showing an increase of 13.8% over a four-year timeframe.

### Herriman City Station Information

Station 103	
Owner	Herriman City
Opened	1978
Address	5916 West 13100 South
Staffing and Apparatus	<ul style="list-style-type: none"> <li>4 Person - Medic Engine 103 (Type1/3)</li> <li>2 Person - PL 12 Hour Medic Ambulance 203</li> <li>Cross-Staffed - WLDO Supervisor Truck</li> </ul>

\*New station currently under construction on 12900 S. Planned to open in the fall of 2026.

Station 123	
Owner	UFSA
Opened	2010
Address	4850 Patriot Ridge Drive
Staffing and Apparatus	<ul style="list-style-type: none"> <li>4 Person - Medic Engine 123 (Type 1)</li> <li>2 Person - Event Ambulance 223</li> <li>Cross-Staffed - Engine 6123 (Type 6)</li> <li>Cross-Staffed - WTT 123 (Type 1)</li> <li>Battalion 12</li> </ul>

### *Surrounding UFA and Automatic/Mutual Aid Response Stations*

Surrounding fire stations and fire departments that are within an eight-minute response to Herriman City are:

Station Number	City Location	Staffing
UFA Station 121	Riverton City	<ul style="list-style-type: none"><li>• 4 Person - Medic Ladder 121 (Type 1)</li><li>• 2 Person - Medic Ambulance 121</li><li>• Cross-Staffed - Heavy Rescue 121</li></ul>
UFA Station 120	Riverton City	<ul style="list-style-type: none"><li>• 2 Person - Medic Ambulance 120</li><li>• Wildland 1</li></ul>
UFA Station 124	Riverton City	<ul style="list-style-type: none"><li>• 4 Person - Medic Engine 124 (Type 1)</li><li>• Cross-Staffed - HazMat 124</li></ul>
Station 91	Bluffdale City	<ul style="list-style-type: none"><li>• 2 Person - Medic Engine 91 (Type 1)</li><li>• 2 Person - Medic Ambulance 91</li><li>• Cross-Staffed Engine 691 (Type 6)</li><li>• Cross Staffed WTT 93 (Type 1)</li><li>• Battalion Chief 91</li></ul>
Station 92	Bluffdale City	<ul style="list-style-type: none"><li>• 2 Person - Engine 92 (Type 1)</li><li>• 2 Person - Medic Ambulance 92</li><li>• Cross-Staffed - Engine 692 (Type 6)</li><li>• Cross-Staffed - Engine 693 (Type 6)</li></ul>
Station 62	South Jordan City	<ul style="list-style-type: none"><li>• 3 Person - Engine 62 (Type 1)</li><li>• 2 Person - Medic Ambulance 62</li><li>• Cross-Staffed - Engine 362 (Type 3)</li></ul>
Station 63	South Jordan City	<ul style="list-style-type: none"><li>• 3 Person - Medic Engine 63 (Type 1)</li><li>• 2 Person - Medic Ambulance 63</li><li>• Cross-Staffed - Engine 663 (Type 6)</li><li>• Cross-Staffed - HazMat 63</li></ul>
Station 64	South Jordan City	<ul style="list-style-type: none"><li>• 3 Person - Medic Engine 64 (Type 1)</li><li>• 2 Person - Medic Ambulance 64</li><li>• 2 Person - Medic Ambulance 264</li><li>• Cross-Staffed - Heavy Rescue 64</li></ul>
Station 54	West Jordan City	<ul style="list-style-type: none"><li>• 3 Person - Engine 54 (Type 1)</li><li>• 2 Person - Medic Ambulance 54</li><li>• Cross-Staffed - Heavy Rescue 54</li></ul>

### Herriman City – Incidents by Dispatch Type

	CY 2022	CY 2023	CY 2024
<b>Fire Suppression</b>	44   2.4%	44   2.4%	48   2.4%
<b>EMS</b>	1249   68.9%	1188   65.9%	1259   63.9%
<b>HazMat</b>	58   3.2%	55   3.1%	53   2.7%
<b>Service Call</b>	65   3.6%	76   4.2%	85   4.3%
<b>Good Intent</b>	201   11.1%	227   12.6%	312   15.8%
<b>False Call</b>	189   10.4%	199   11%	204   10.4%
<b>Natural Condition</b>	3   0.2%	2   0.1%	1   0.1%
<b>Other Situation</b>	0   0%	11   0.6%	6   0.3%
<b>Unknown</b>	3   0.2%	0   0%	2   0.1%
<b>Total</b>	1812   100%	1802   100%	1970   100%

Table 1 - Incidents by Dispatch Type

### Herriman City – 2022-2024 Dispatch and Response Times – Emergent First Due

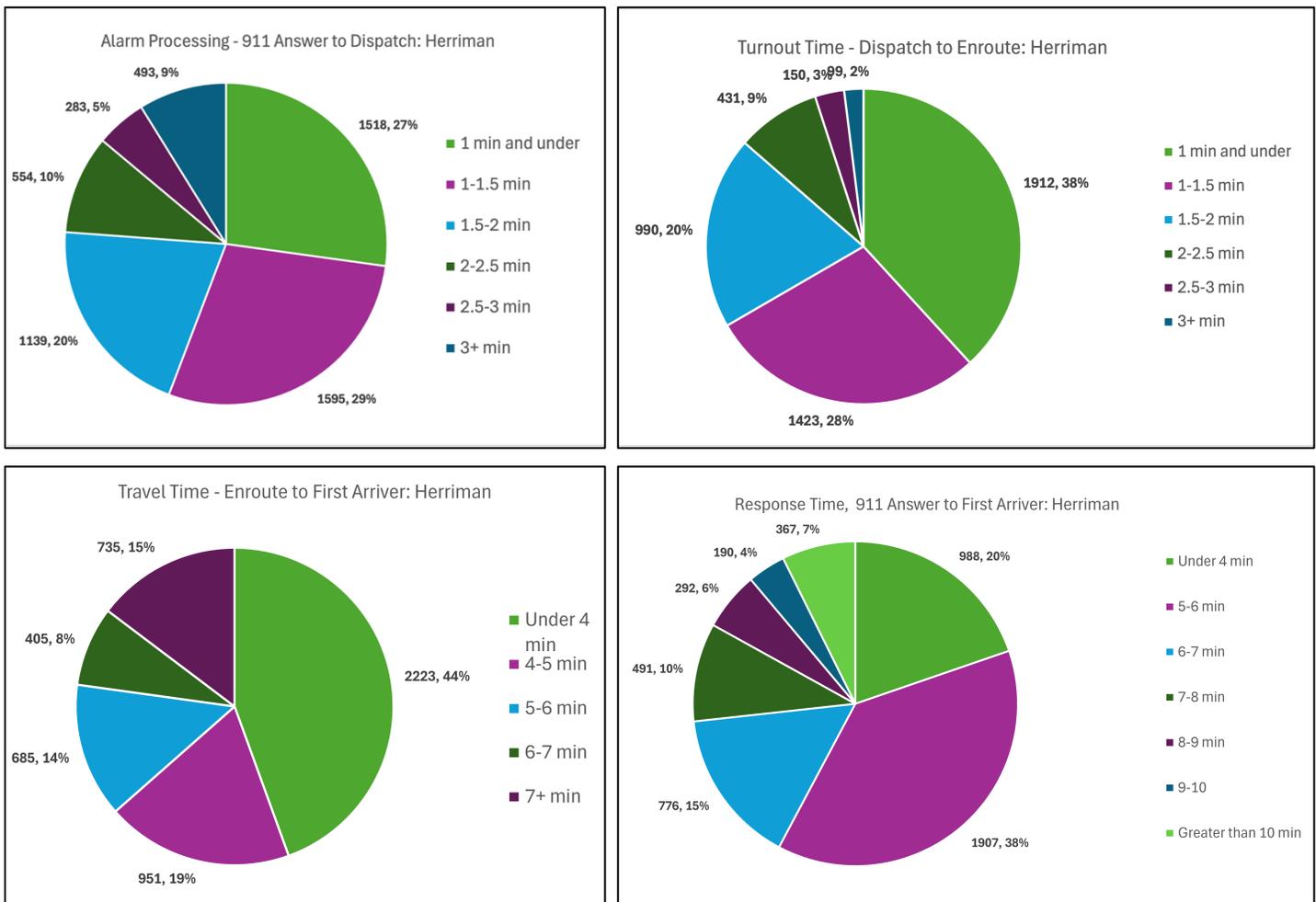


Chart 1 - Dispatch and Response Times

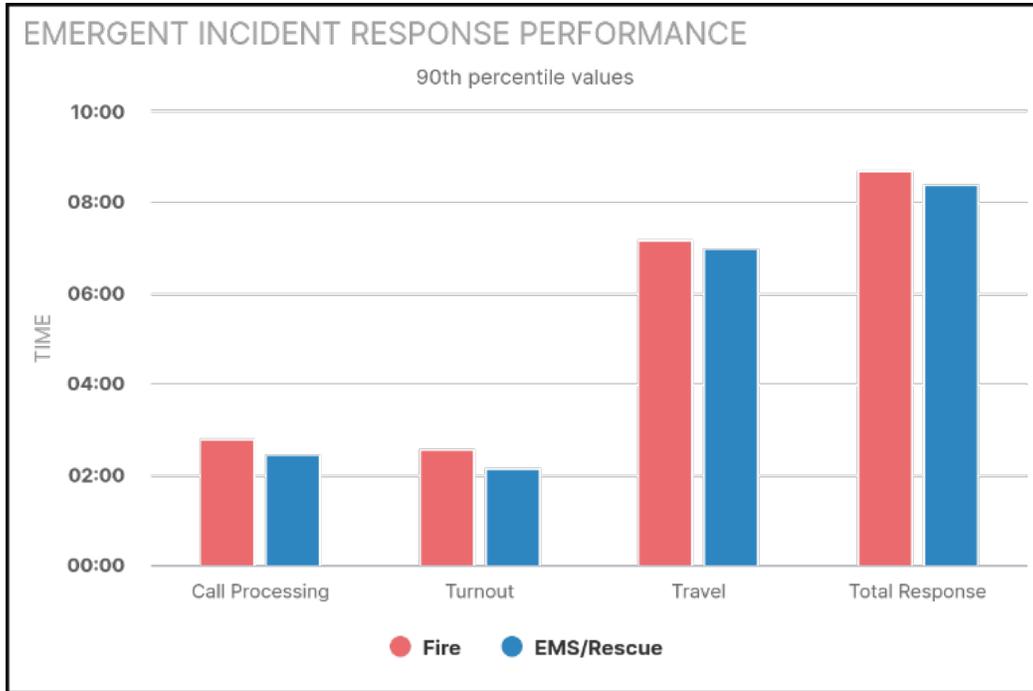


Chart 2 - Emergent Incident Response Performance

Urban	Call Processing: Fire	Turnout Time: Fire	Travel Time: Fire	Total Response: Fire	Call Processing: EMS	Turnout Time: EMS	Travel Time: EMS	Total Response: EMS
Herriman City 2022	2:53	2:20	8:43	12:22	2:27	2:14	7:08	10:16
Herriman City 2023	2:21	2:29	7:02	9:33	2:06	2:09	6:52	10:00
Herriman City 2024	2:09	2:21	7:28	11:14	2:08	2:05	6:59	10:04
UFA Urban 2022-2024	2:43	2:20	7:17	10:51	2:15	2:06	6:11	9:11
UFA Rural 2022-2024	2:59	2:22	14:56	17:48	2:51	2:18	14:29	18:22
NFPA 1710	1:04	1:20	4:00	6:24	1:00	1:00	4:00	6:00

Table 2 - Emergent Response Times, 90th percentile values

## Herriman City – 2022-2024 Total Response Times

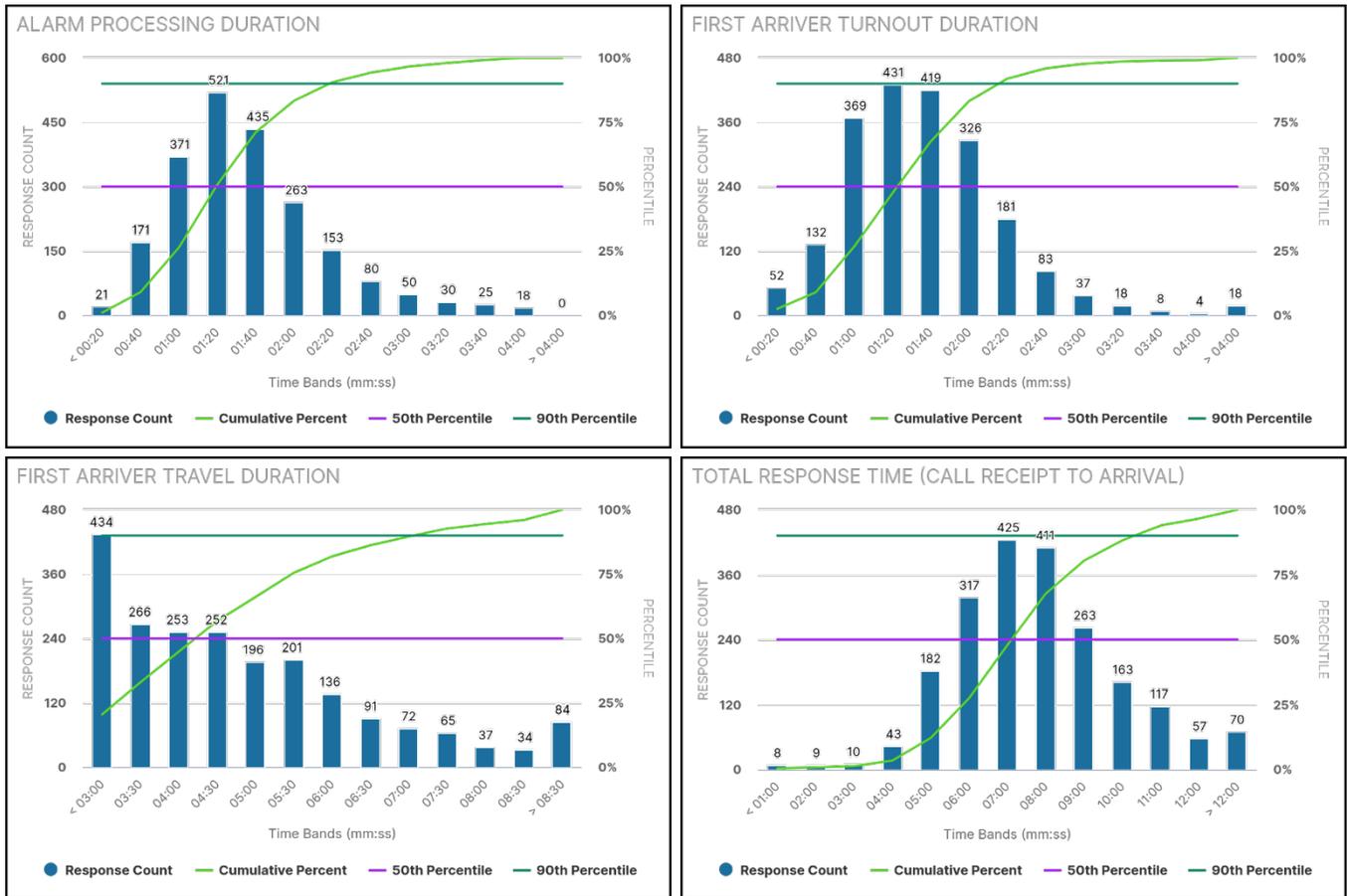


Chart 3 - Turnout and Travel Times

The charts above illustrate alarm processing, turnout, travel, and total response times for all units responding to service calls within Herriman City (90<sup>th</sup> percentile).

### Herriman City: 2022-2024 Incidents by Time of Day

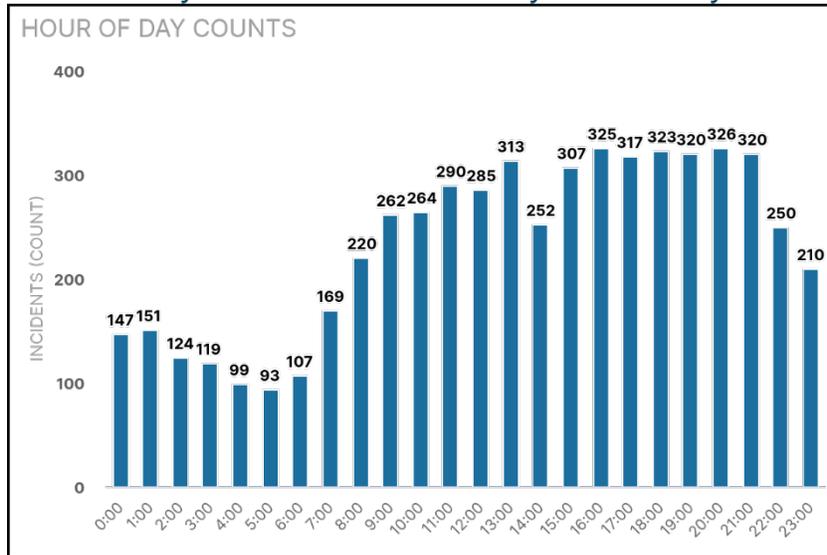


Chart 4 - Incidents by Time of Day

This table demonstrates the incidents by time of day and the greatest demand within Herriman City for all service calls.

### Herriman City – 2022-2024 Incidents by Day of Week

This chart presents incident volume by day of the week and demonstrates that demand increases toward the end of the week, with the highest call volumes occurring on Friday and Saturday.

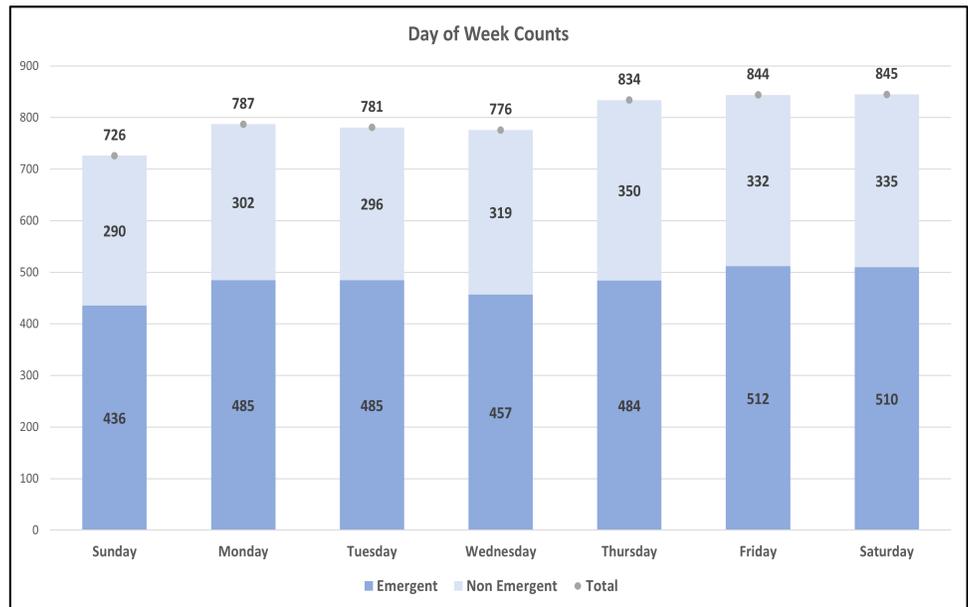


Chart 5 - Incidents by Day of Week

*Herriman City – 2022-2024 EMS Calls and Ambulance Transports*

Total EMS Calls	Total Ambulance Transports	% Of EMS Calls Requiring Transport
3,696	2,139	58%

*Table 3 - EMS Calls and Ambulance Transports*

*Herriman City – 2022-2024 EMS Incidents by Dispatch Type*

EMS Call Type	Incident Count
<b>Sick Person</b>	389
<b>Fall</b>	275
<b>Seizure</b>	232
<b>Breathing Problem</b>	194
<b>Unconscious</b>	148

*Table 4 - Top 5 Medical Calls*

*Herriman City – 2022-2024 Fire Incidents by Dispatch Type*

NFIRS Description	Incident Count	% of Incidents
<b>Structure Fire</b>	49	36.03%
<b>Natural Vegetation Fire</b>	26	19.12%
<b>Outside Rubbish Fire</b>	33	24.26%
<b>Vehicle Fire</b>	11	8.09%

NFIRS Description	Incident Count	% of Incidents
<b>Special Outside Fire</b>	5	3.68%
<b>Fire, Other</b>	12	8.82%
<b>Total</b>	136	100%

*Table 5 - Incidents by Dispatch Type*

*Herriman City – Building Occupancy Classification and Risk Categories*

Occupancy Classification	Low	Moderate	High	Max	Total
<b>Agriculture</b>	37	0	3	0	<b>40</b>
<b>Assembly</b>	63	178	43	0	<b>284</b>
<b>Commercial</b>	65	41	14	0	<b>120</b>
<b>Education</b>	65	7	12	4	<b>88</b>
<b>Government</b>	83	10	15	0	<b>108</b>
<b>Hazardous</b>	3	17	0	1	<b>21</b>
<b>Healthcare</b>	2	0	1	0	<b>3</b>
<b>High Rise</b>	0	0	0	0	<b>0</b>
<b>Industrial</b>	3	0	3	1	<b>7</b>
<b>Mixed Use</b>	0	0	0	0	<b>0</b>
<b>Residential **</b>	9733	465	101	0	<b>10299</b>
<b>Single Family Residential</b>	1962	5475	959	38	<b>8434</b>
<b>Multi-family Residential</b>	659	898	142	62	<b>1761</b>
<b>Unclassified/Storage</b>	75	1	1	0	<b>77</b>
<b>Utility and Miscellaneous</b>	0	0	0	0	<b>0</b>
<b>Total</b>	<b>12750</b>	<b>7092</b>	<b>1294</b>	<b>106</b>	<b>21242</b>

**\*\* Residential includes single family and multi-family. Breakdowns for those are in a separate row.**

**\*\* Residential includes manufactured homes and unclassified so multi-family and single family may not add up to residential.**

**Building Size / Considerations**

Nonresidential low: 1 - 4,999 sq ft	Residential low: 1 – 1,999 sq ft.
Nonresidential moderate: 5,000 – 9,999 sq ft	Residential moderate: 2,000 – 3,999 sq ft.
Nonresidential high: 10,000 – 99,999 sq ft	Residential high: 4,000 – 9,999
Nonresidential max: ≥ 100,000 sq ft	Residential max: ≥ 10,000

*Table 6 - Building Occupancy and Risk Categories*

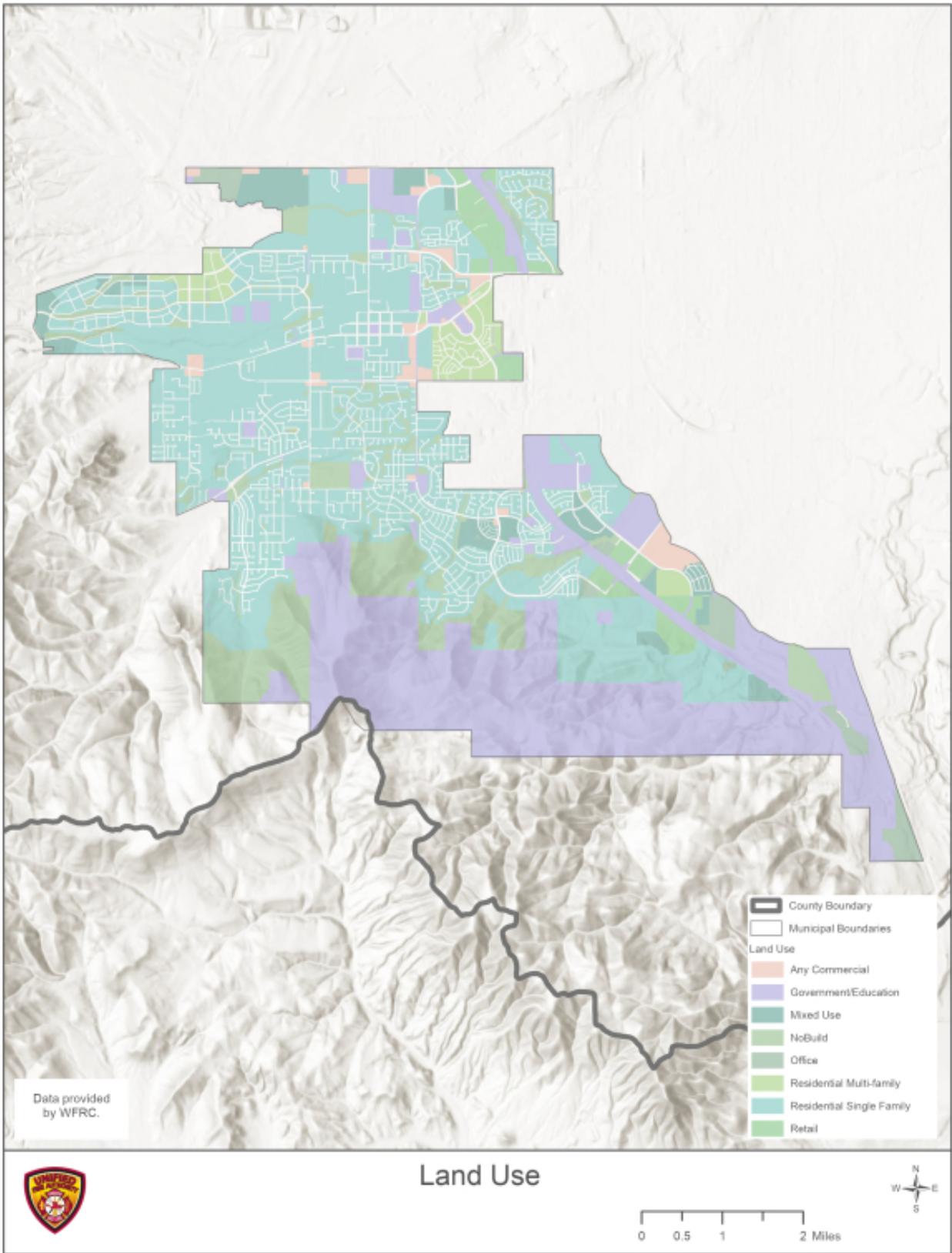


Image 1 - Land Use



### Herriman City – First Arriver Travel Times

The following maps demonstrate the 90<sup>th</sup> percentile of travel times based off the last three years of historical data (2022-2024). The darker the color is, the more delayed the response, with the green and light colors demonstrating below or near target times. The darker colors on the bar within the key demonstrating longer travel times by apparatus. This map's drive times (or travel times) are based off the current NFPA 1710 standard of four minutes (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the first arriving apparatus — not an adopted standard by UFA. In 2024, within Herriman City, the 90<sup>th</sup> percentile drive time is 7:52 for fire and 6:59 for EMS, or a combined 90<sup>th</sup> percentile drive time of 7:02.

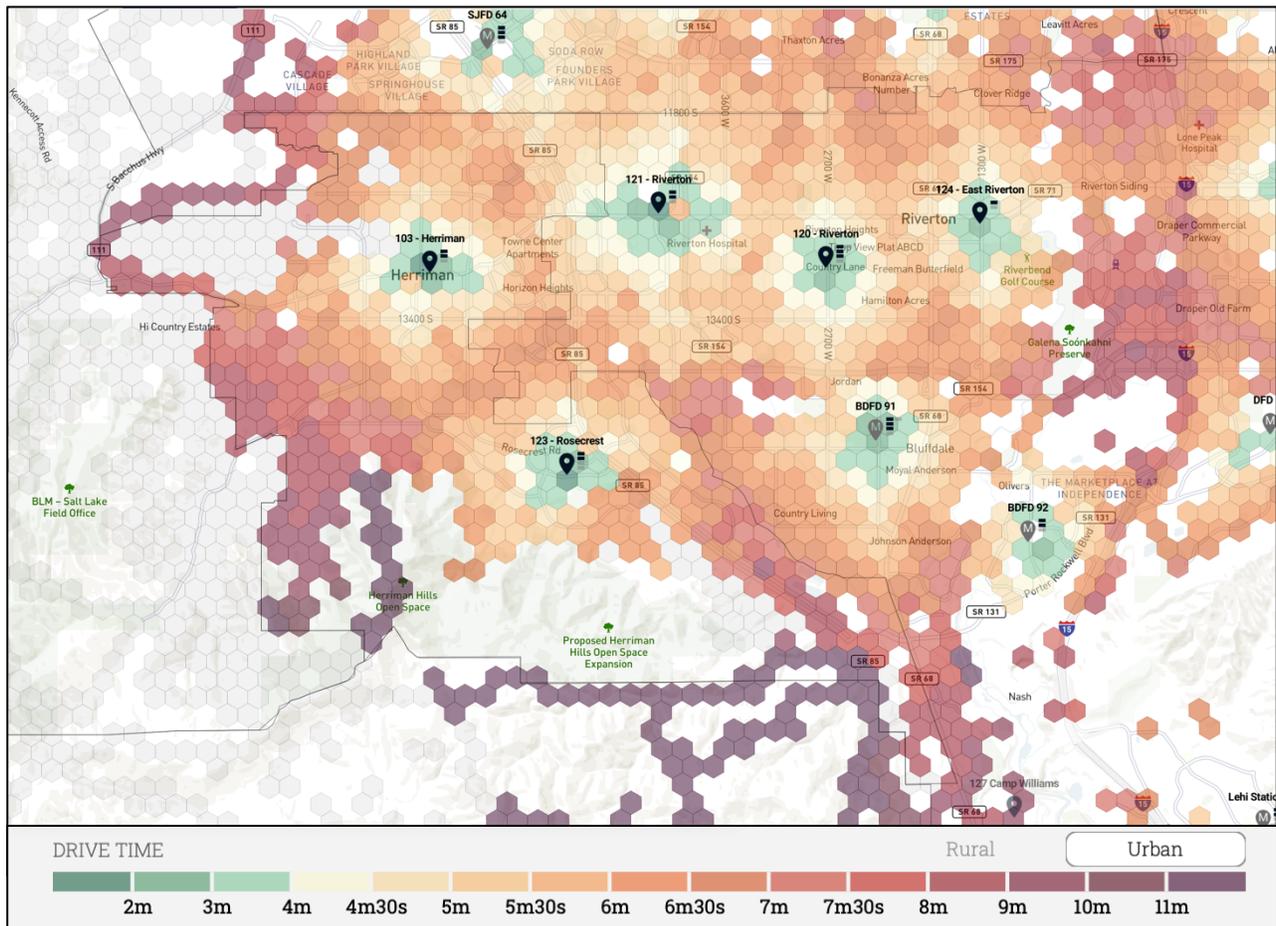


Image 3 - Emergent Response Times - All Aid

### Herriman City – Residential Fire Effective Response Force (17 FF)

This map demonstrates the coverage of a multi-unit response to a residential fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have seventeen firefighters (a residential fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of eight minutes (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 17 firefighters) for a residential, low, or medium hazard assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 17 firefighters to arrive on scene is 9:04.

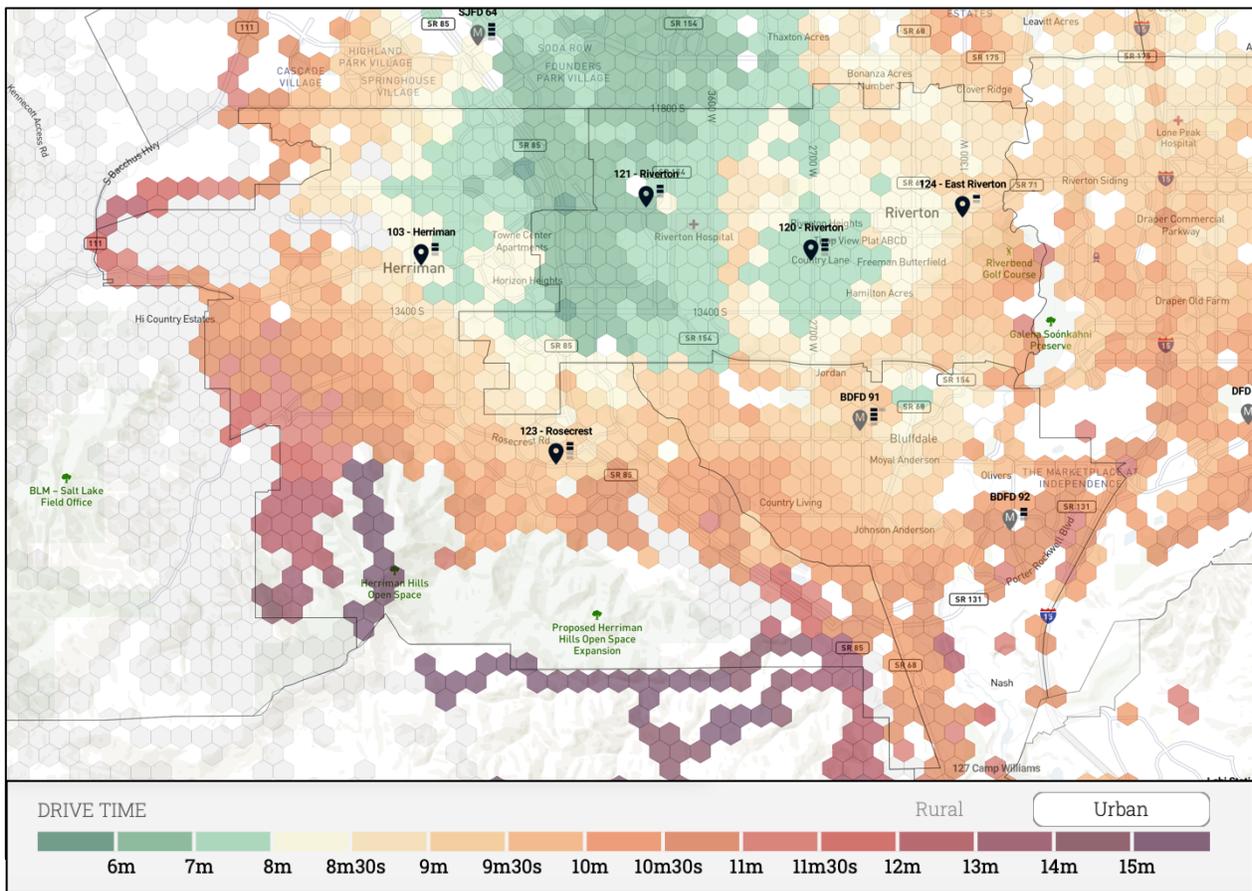


Image 4 - Response Times – Residential Fire Effective Response Force (17 ERF)

### Herriman City – Commercial Fire Effective Response Force (28 FF)

This map demonstrates the coverage of a multi-unit response to a commercial fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have twenty-eight firefighters (a commercial fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of ten minutes and 10 seconds (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 28 firefighters) for a commercial, high hazard or high-rise assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 28 firefighters to arrive on scene is 10:26.

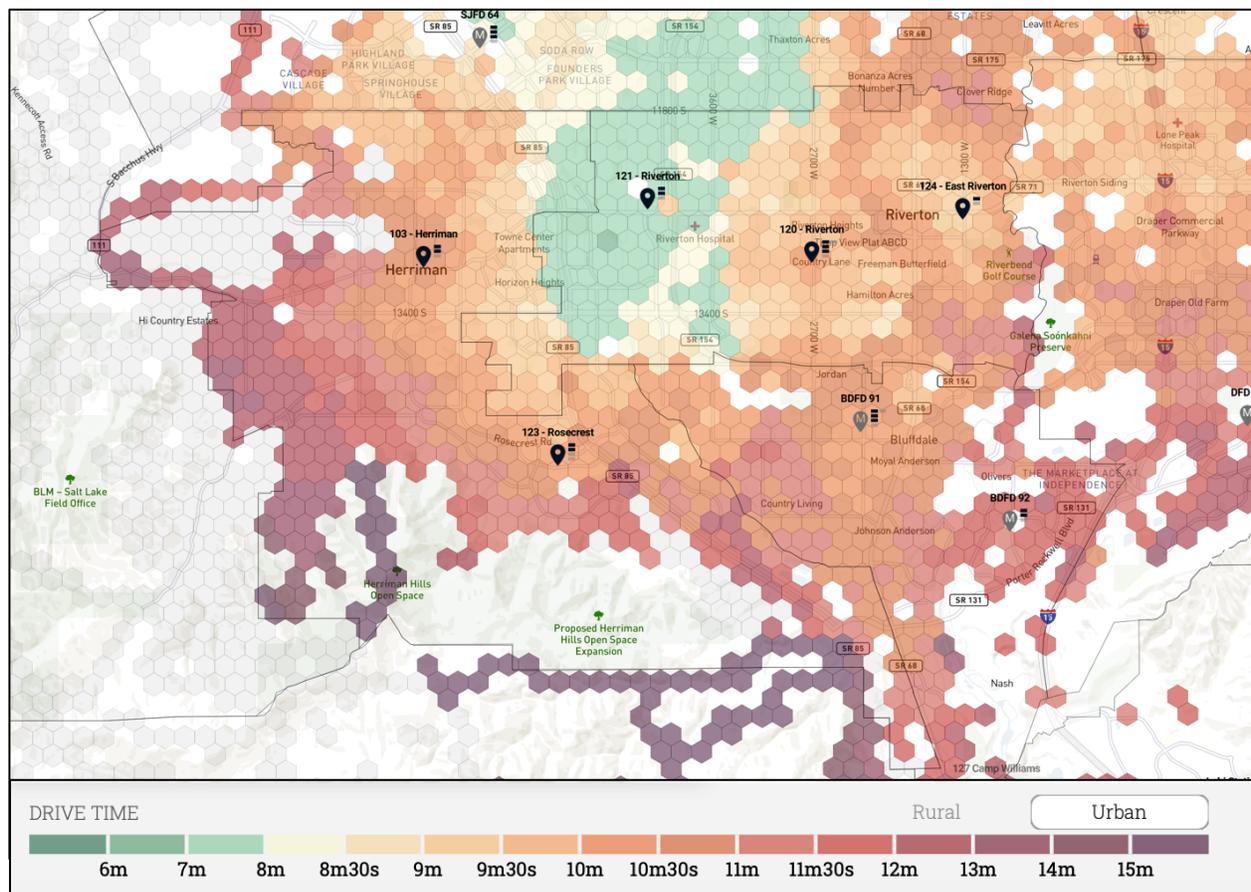


Image 5 - Response Times – Commercial Fire Effective Response Force (28 FF)

## Herriman City Risk Assessments

Infrastructure – Transportation	Infrastructure – Dams	Earthquake Liquefaction	Earthquake Faults	Avalanche	Unreinforced Masonry	Wildland Urban Interface	Tier II Sites	Hospitals	Schools	≥100,000 sq ft Structures	Residential Population
High	High	Low	Low	Low	Low	High	High	Mod	High	Mod	High

<b>Transportation: Low Risk = 0-99 Linear Miles; Moderate Risk = 100-199 Linear Miles; High Risk = &gt;200 Linear Miles</b>
<b>Dams: Low Risk = 0-3; Moderate Risk = 4-6; High Risk = ≥7</b>
<b>Liquefaction: The areas of liquefaction vary throughout the valley, with areas of high susceptibility running South and East from the Great Salt Lake</b>
<b>Earthquake Faults: Low Risk = 0-30,000 LF of fault line; Moderate Risk = 30,001-60,000 LF of fault line; High Risk = ≥60,001 LF of fault line</b>
<b>Unreinforced Masonry: Low Risk = 0-100; Moderate Risk = 101-1,000; High Risk = ≥1,001</b>
<b>Wildland Urban Interface: Low Risk = 0-25% WUI; Moderate Risk = 26-50% WUI; High Risk = ≥51% WUI</b>
<b>Tier II Sites: Low Risk = 1-5; Moderate Risk = 6-10; High Risk = ≥11</b>
<b>Hospitals: Low Risk = 0; Moderate Risk = 1; High Risk = ≥2</b>
<b>Schools: Low Risk = 0-5; Moderate Risk = 6-10; High Risk ≥11</b>
<b>100,000 sq ft Buildings: Low Risk = 0-5; Moderate Risk = 6-14; High Risk = ≥15</b>
<b>Population: Low Risk = 1-19,999; Moderate Risk = 20,000-39,999; High Risk = ≥40,000</b>

Table 7 - Hazard Matrix

### Infrastructure – Transportation

There are several high-level transportation routes within Herriman City or directly bordering Herriman City. The Mountain View Corridor (SR85) runs north and south on the East side of the city. Several arterials and state roads also run through Herriman, with 13400 South, 12600 South and Rosecrest Road. There are 0 linear miles of Interstate/US Highway, 11.75 linear miles of State Highways, and 225 total linear miles of roadway. Herriman City is in the high-risk category for road infrastructure.

### Infrastructure – Water

There are three water districts within Herriman City, Herriman City Municipal Water District..

### Infrastructure – Dams

There are twenty-eight identified dams within Herriman City. Herriman City is in the high-risk category for dam infrastructure.

### Natural Hazards

Within Herriman City, there are no concerns with avalanche areas, however there are several areas that Herriman units respond to that have avalanche as well as backcountry rescue potential within Unincorporated Salt Lake County. Herriman is in the low-risk category for avalanches. There are no identified fault lines that run through the city (see Map 8). Herriman City is in the low-risk category for both liquefaction and fault lines. Herriman City has 0 linear feet of fault lines. One of the biggest hazards that occur within an earthquake scenario is the number of unreinforced masonry (URM) buildings within Herriman City, with an estimated 37 URM's, which constitutes about 0.15% of the overall URM's within UFA's response areas. Herriman City is in the low-risk category for unreinforced masonry.

### Wildland Urban Interface

There is moderate risk of urban interface fires within Herriman City, although on the western border of Herriman, there is high or significant risk of urban interface fires within Unincorporated Salt Lake County or the areas contiguous with the Herriman City boundaries. According to a new Wildland Urban Interface (WUI) tool from the State of Utah's Fire Forestry and State Lands, there are many areas designated as high, very high, or extreme risk within city boundaries around the southern and western borders of the city.

### Hazardous Materials / Tier II Sites

There are 4 identified HazMat/Tier II Sites within Herriman City, which is in the high-risk category.

### Hospitals

Herriman City has one hospital within its city boundaries.

- Herriman Emergency Center is a freestanding ER, part of Lone Peak Hospital.  
(13306 S Fort Herriman Parkway, Herriman, UT 84096)

Herriman City is in the moderate-risk category for hospitals.

## Schools

Herriman City has seven elementary schools, two middle schools, two high schools, RSL Academy (K-12), one private school, and one charter school within the city, which places it in the high-risk category.

## Target Hazards – Structures

Some of the target hazard occupancies in Herriman City include:

- Herriman City Ice Ribbon and Government/City Campus – 5355 W Herriman Main Street
- Bullfrog Spa Factory - 7017 W 11800 S
- J.L Sorenson Rec Center - 5350 W Main Street
- Ace Hardware - 13342 S 5600 W
- Jordan Valley Water Treatment Facility - 15305 S 3200 W

## *Life and Property Loss*

From 2022-2024, there have been zero fatalities attributed to fire. There has been a total estimate of \$1,415,085.00 of property loss and a total estimate of \$971,475.00 of content loss due to fire.

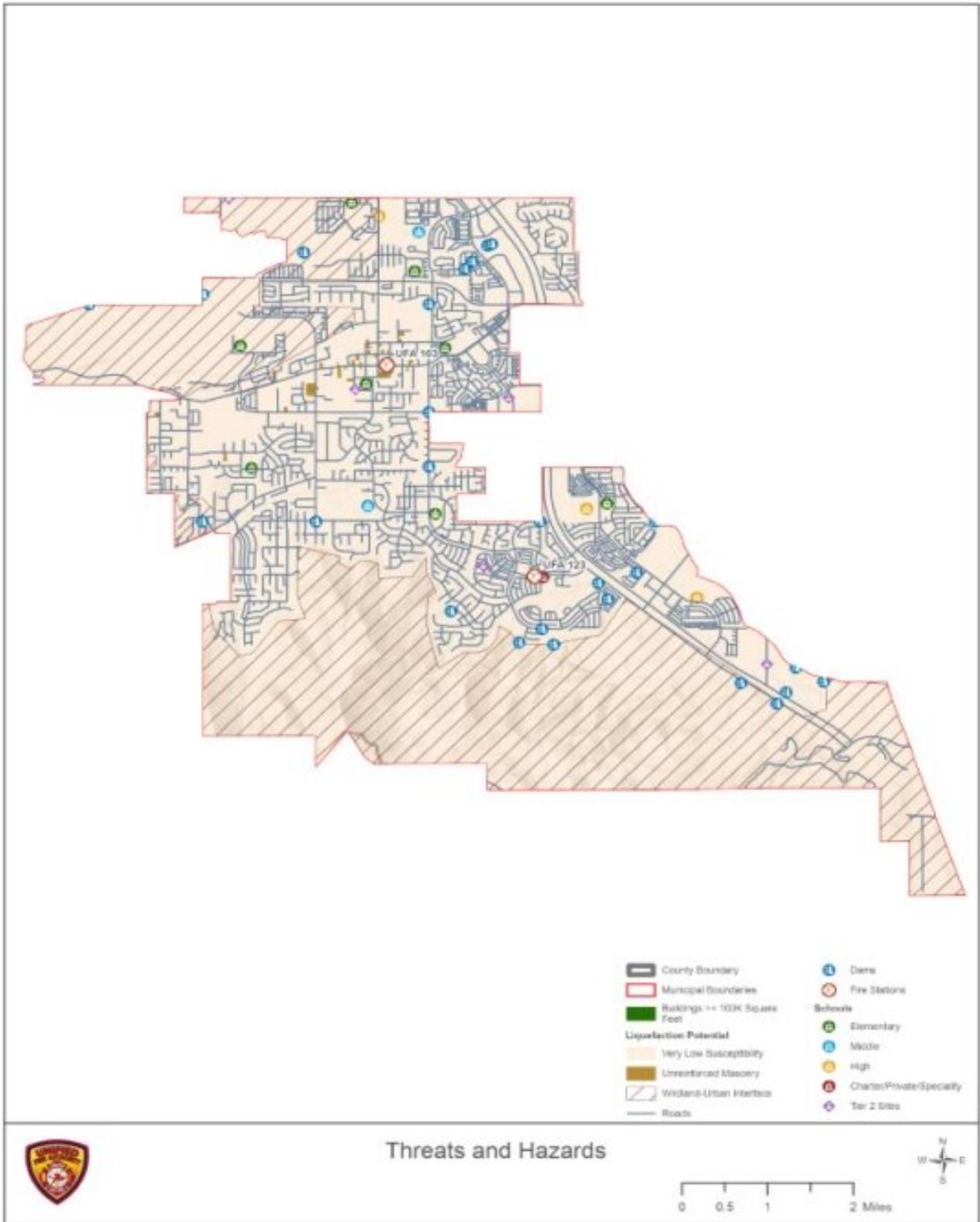


Image 6 - Threats and Hazards

