

## **Fire Station Location Analysis**

# Aurora Fire Department

2021







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## **Definitions**



Definitions





**All Incidents:** All incidents regardless of NFIRS group codes.

**AOR:** Area of Responsibility.

**AW:** Area workload is the percentage of a given time frame in which there is a demand for service within a station's AoR.

**Catchment:** A geographical area based on travel time.

**Coverage:** A geographical area within which a fire station(s) provides services.

**Drive Time:** The time measured from fire company en-route to fire company on scene.

**EMS Incidents:** Incidents in the NFIRS group codes 300's.

**ERF:** The acronym for Effective Response Force and is the minimum number of personnel and equipment needed to effectively mitigate an incident.

Fire Incidents: Incidents in the NFIRS group codes 100's.

*Historical:* Incidents that have happened in the past. Data that has been collected in the past.

*Hotspot:* A representation of an area with a statistical higher density than its surrounding area.

Other Incidents: Incidents in the NFIRS group codes 200's, and 400's through 900's.

**Projected:** The results that may happen in the future based on analysis.

**Response Time:** The time measured from fire company notification to fire company on scene.

**Service Area:** A geographical area where service is provided or demanded.

**TRA:** The complete geographical area in which a fire agency is responsible to provide service.



## **Demographics**



#### Demographic Overview

Demographic - TRA

Demographic - AoR 1

Demographic - AoR 3

Demographic - AoR 4

Demographic - AoR 5

Demographic - AoR 7

Demographic - AoR 8

Demographic - AoR 9

Demographic - AoR 10

Demographic - AoR 12



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The following demographic data is provided using Esri's demographic estimates for popular variables including: 2020 Total Population, 2020 Household Population, 2020 Median Age, 2020 Median Household Income, 2020 Per Capita Income, 2020 Diversity index and many more. Data is available from country, state, county, ZIP Code, tract, and block group level.

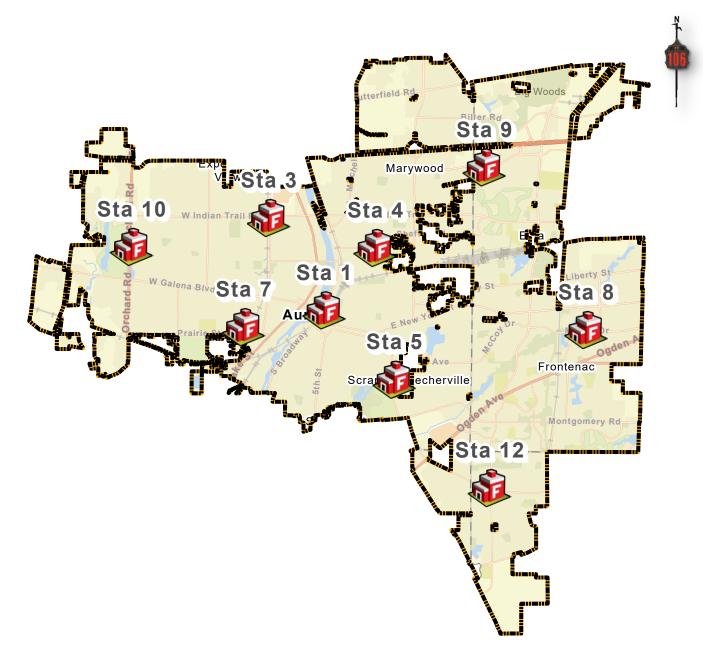
					\$
	TOTAL POPULATION	TOTAL HOUSEHOLDS	> 65 YEARS OF AGE	< 5 YEARS OF AGE	MEDIAN INCOME
TRA	203,372	64,358	18,893	16,384	\$75,173
AoR 1	26,818	7,219	2,129	2,543	\$47,446
AoR 3	16,845	4,997	1,510	1,386	\$55,512
AoR 4	23,480	6,282	2,069	2,086	\$56,596
AoR 5	27,680	8,315	2,364	2,482	\$58,300
AoR 7	13,812	4,282	1,777	939	\$66,765
AoR 8	30,570	11,293	2,111	2,169	\$103,375
AoR 9	20,598	7,914	2,703	1,405	\$99,240
AoR 10	16,160	5,594	2,728	936	\$79,771
AoR 12	27,410	8,462	1,501	2,438	\$104,430



The TRA stats are for the complete agency while the AoR stats are a part of the whole TRA.

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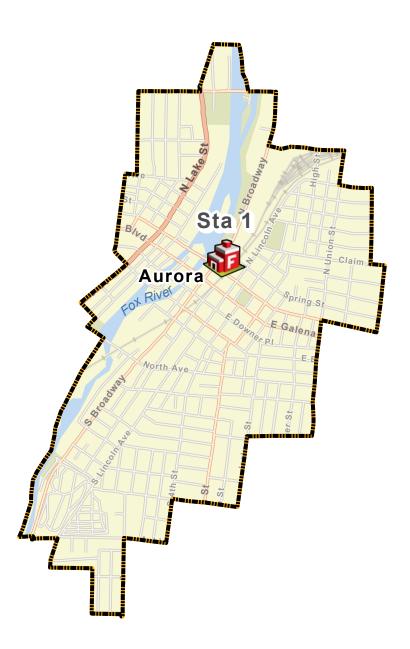




















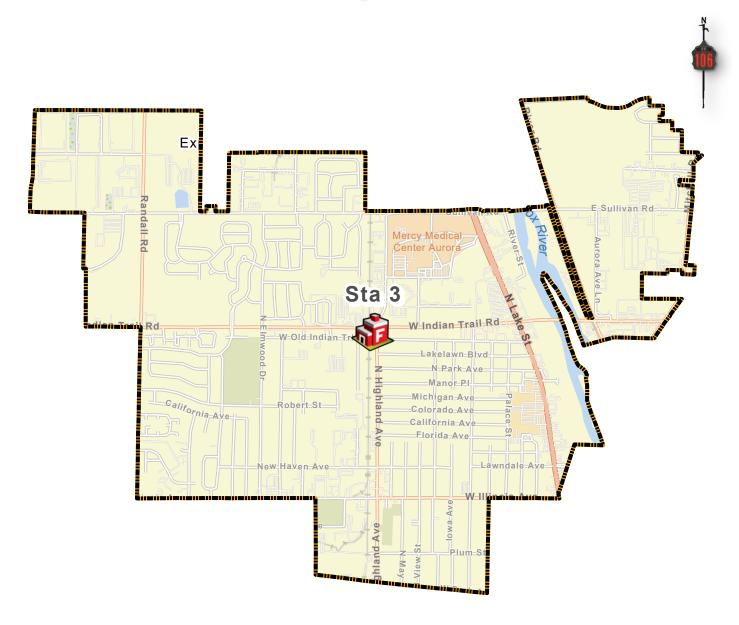


















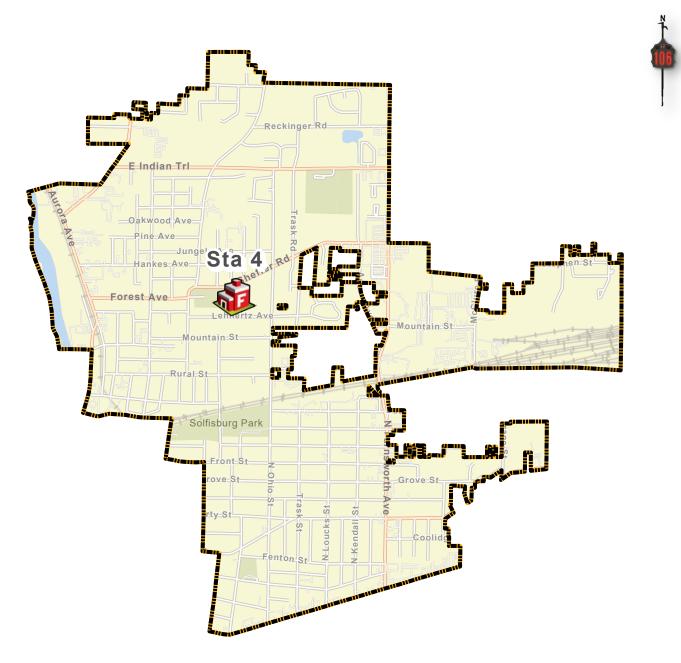


















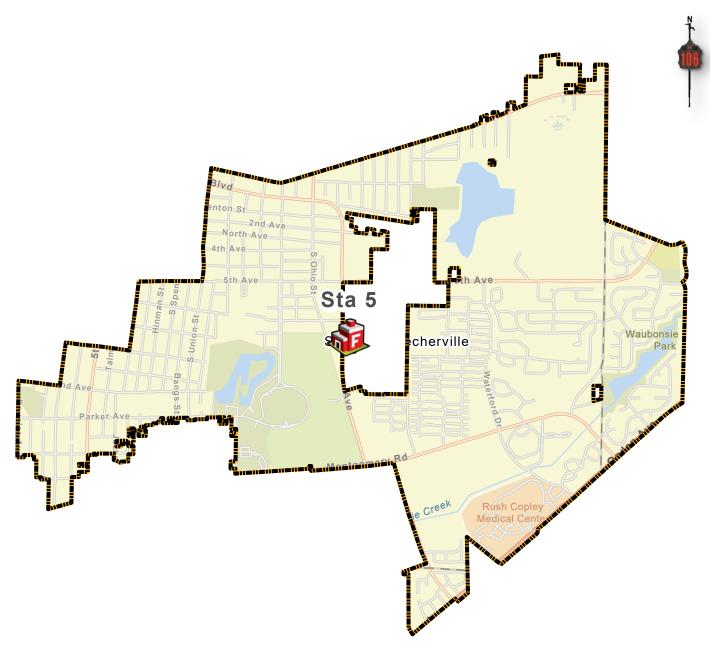
2,069
OVER 65 YEARS OF AGE

















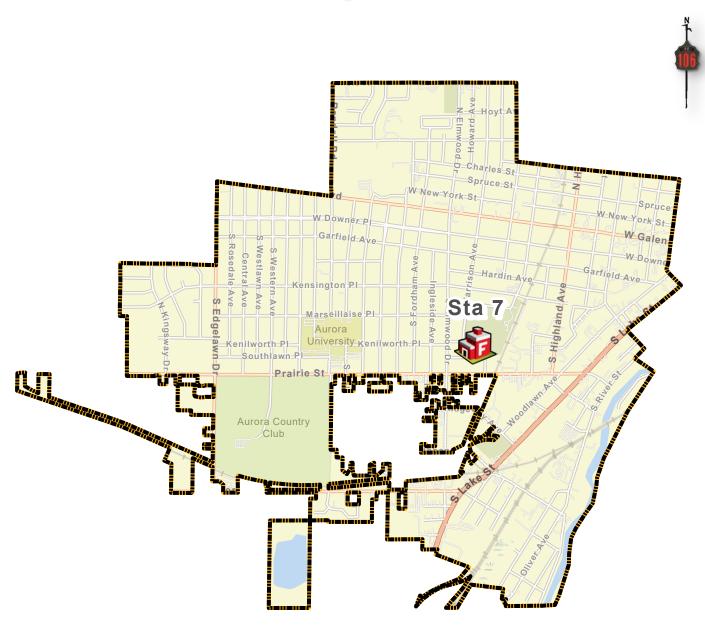




















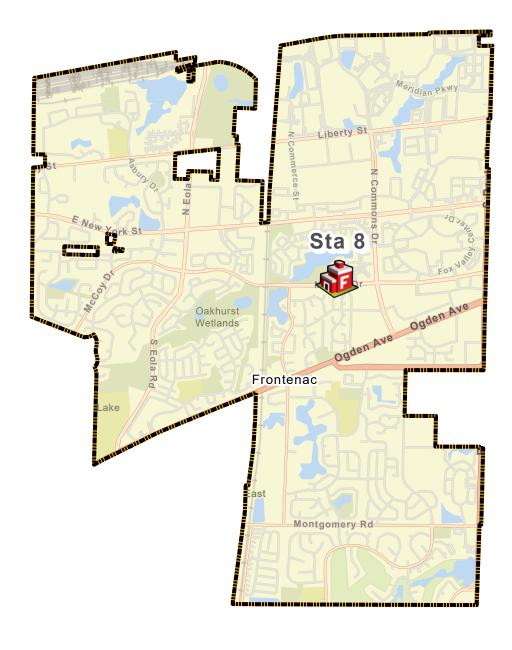


















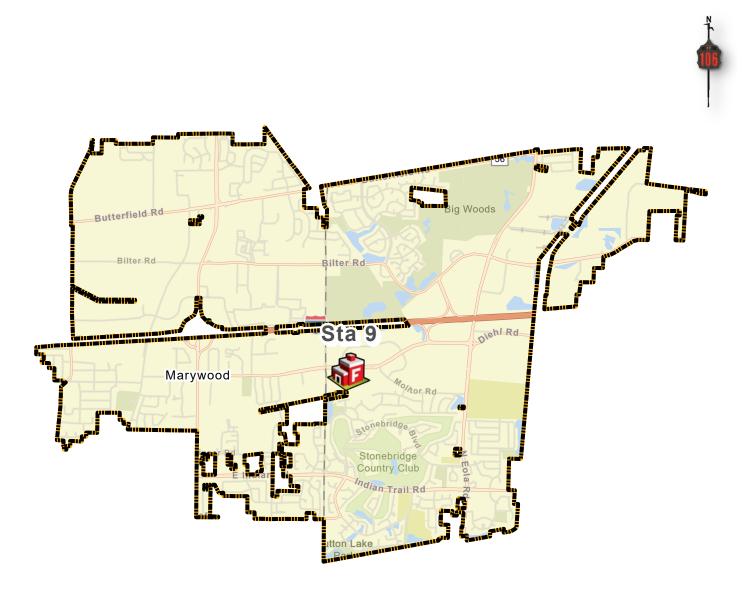


















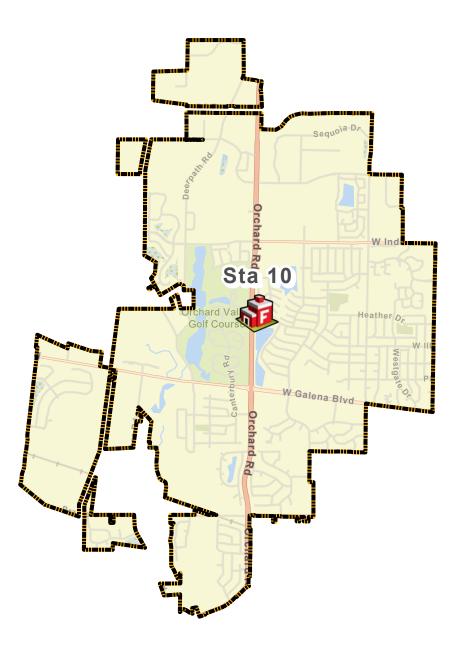




















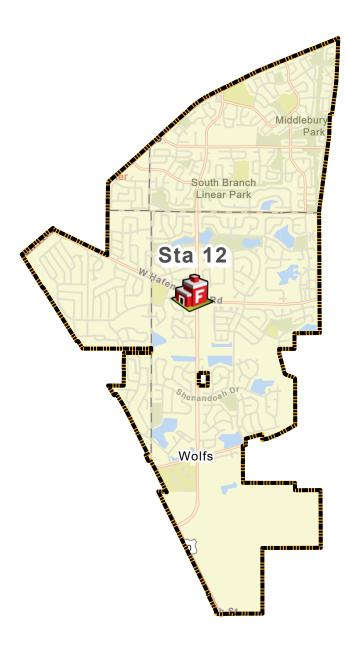
2,728
OVER 65 YEARS OF AGE



















1,501
OVER 65 YEARS OF AGE









Service Area Overview

Area Served by Drive Times - TRA

4 min and 8 min Drive Times - TRA

4 min and 8 min Drive Times - AoR 1

Streets Covered by Drive Times - TRA

Area Served by Drive Times - AoR 1

Streets Covered by Drive Times - AoR 1

TRA Coverage - AoR 1

Area Served by Drive Times - AoR 3

4 min and 8 min Drive Times - AoR 3

Streets Covered by Drive Times - AoR 3

TRA Coverage - AoR 3

Area Served by Drive Times - AoR 4

4 min and 8 min Drive Times - AoR 4

Streets Covered by Drive Times - AoR 4

TRA Coverage - AoR 4

Area Served by Drive Times - AoR 5

4 min and 8 min Drive Times - AoR 5

Streets Covered by Drive Times - AoR 5

TRA Coverage - AoR 5

Area Served by Drive Times - AoR 7

4 min and 8 min Drive Times - AoR 7

Streets Covered by Drive Times - AoR 7

TRA Coverage - AoR 7

Area Served by Drive Times - AoR 8

4 min and 8 min Drive Times - AoR 8

Streets Covered by Drive Times - AoR 8

TRA Coverage - AoR 8

Area Served by Drive Times - AoR 9

4 min and 8 min Drive Times - AoR 9

Streets Covered by Drive Times - AoR 9

TRA Coverage - AoR 9

Area Served by Drive Times - AoR 10

4 min and 8 min Drive Times - AoR 10

Streets Covered by Drive Times - AoR 10

TRA Coverage - AoR 10

Area Served by Drive Times - AoR 12

4 min and 8 min Drive Times - AoR 12

Streets Covered by Drive Times - AoR 12

TRA Coverage - AoR 12



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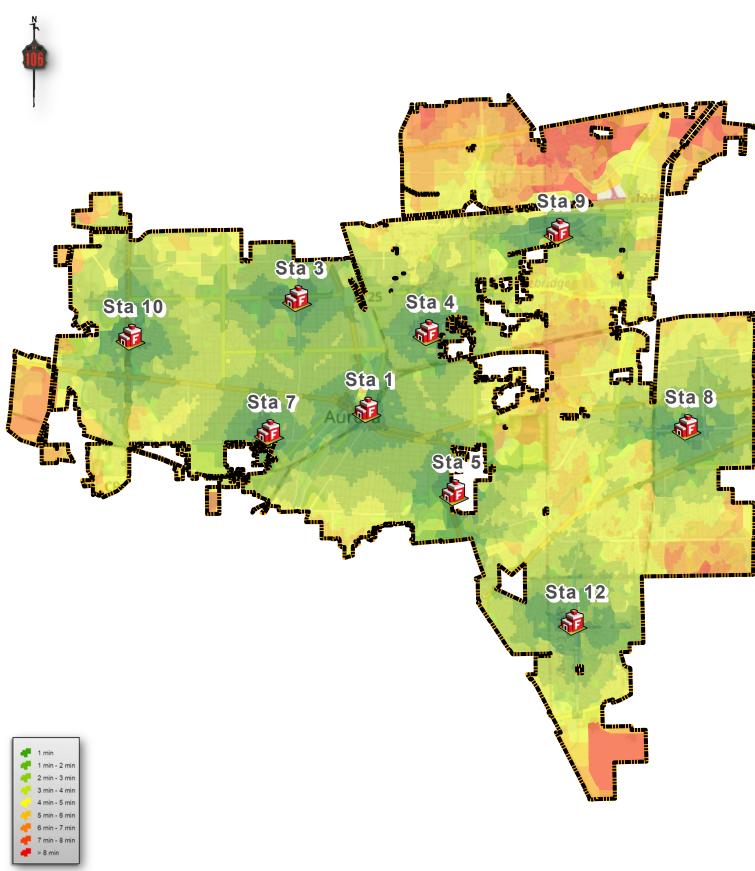
		Ö		
	AREA SERVED	4 MIN CATCHMENT AREA	STREETS SERVED	4 MIN CATCHMENT STREETS
TRA	47.9	60%	670.8	70%
AoR 1	2.6	91%	48.5	92%
AoR 3	3.9	89%	56.7	95%
AoR 4	3.1	82%	47.4	85%
AoR 5	4.6	59%	66.6	65%
AoR 7	3.2	90%	55.6	92%
AoR 8	7.9	46%	121.5	58%
AoR 9	10.2	22%	111.5	26%
AoR 10	6.8	64%	78.7	<b>75</b> %
AoR 12	5.5	63%	84.3	74%



"AREA SERVED" is measured in square miles and "STREETS SERVED" is measured in linear miles. The TRA stats are for the complete agency while the AoR stats are a part of the whole TRA.

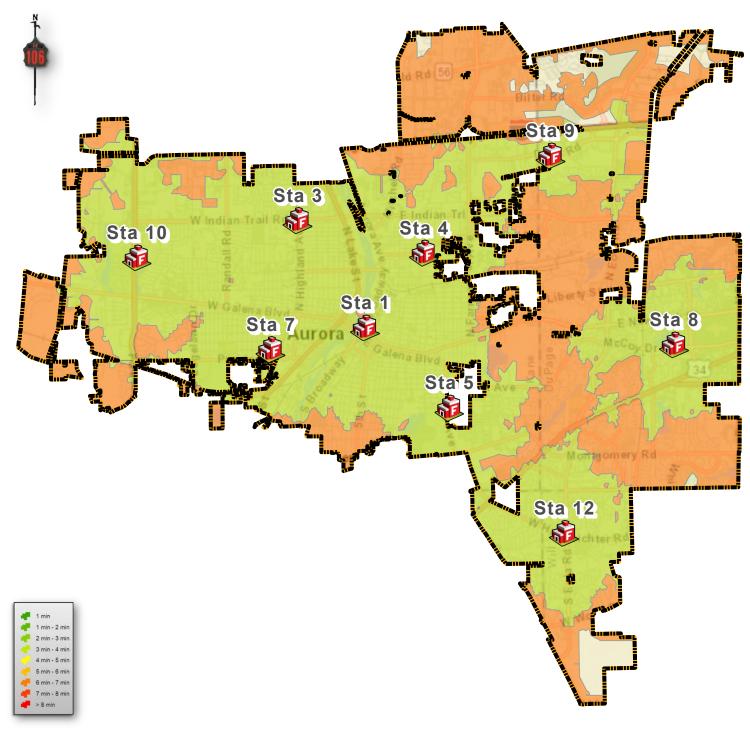
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1118







60%

8 MINUTE COVERAGE

28.7

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA

46.4

97%

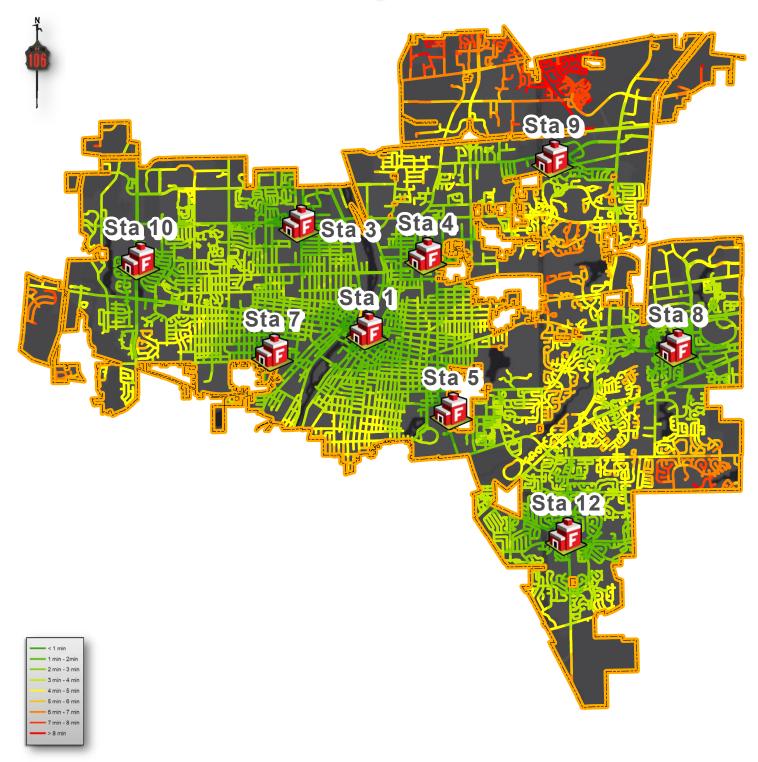
**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA



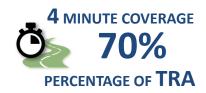
## **Streets Covered by Drive Time - TRA**









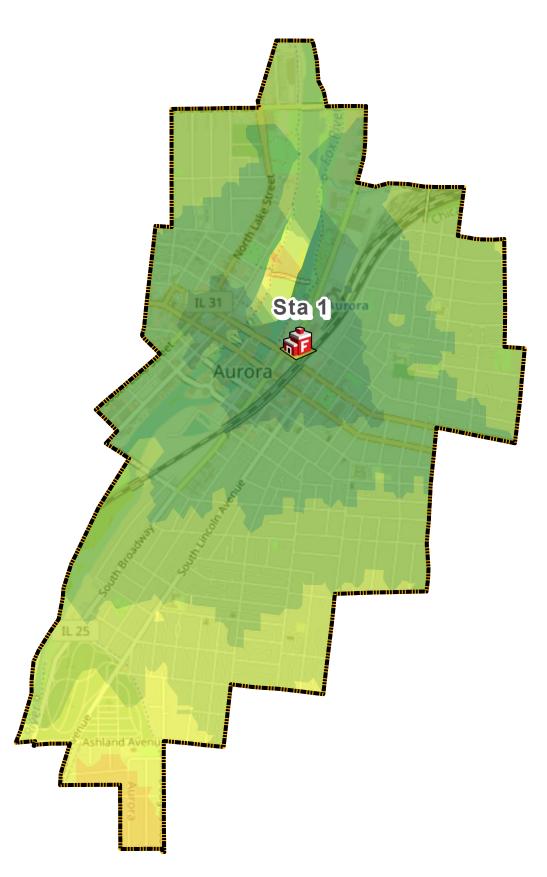




Street travel time is the time of travel from the fire stations and is displayed in one-minute increments.





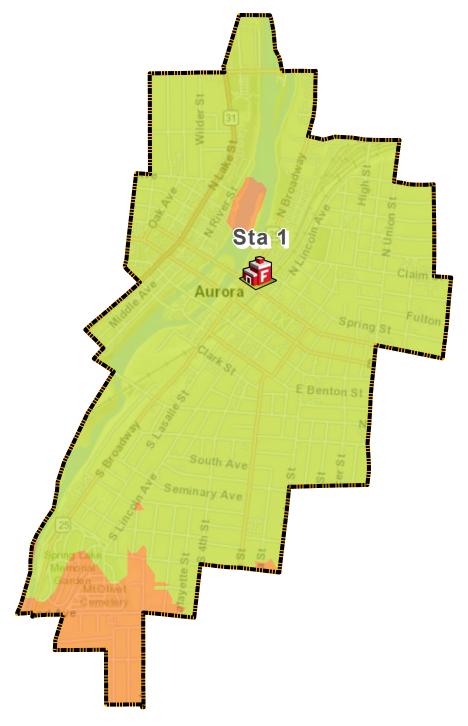


















2.4

91%

2.6

100%

AREA IN SQUARE MILES PERCENTAGE OF AOR 1

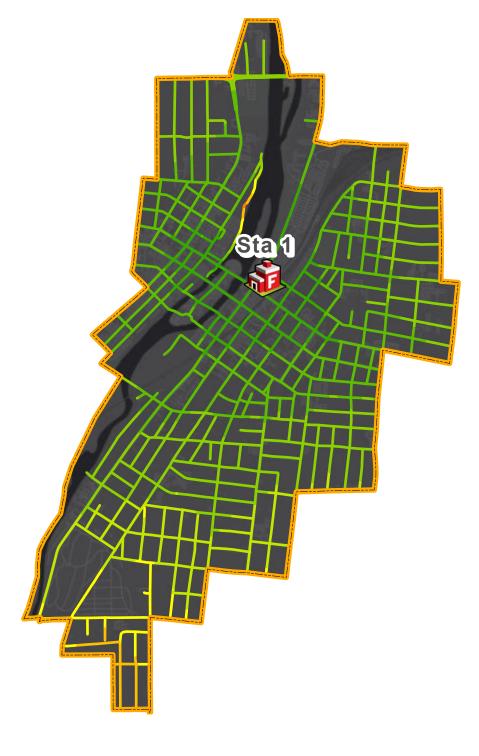
AREA IN SQUARE MILES PERCENTAGE OF AOR 1



## **Streets Covered by Drive Time - AoR 1**











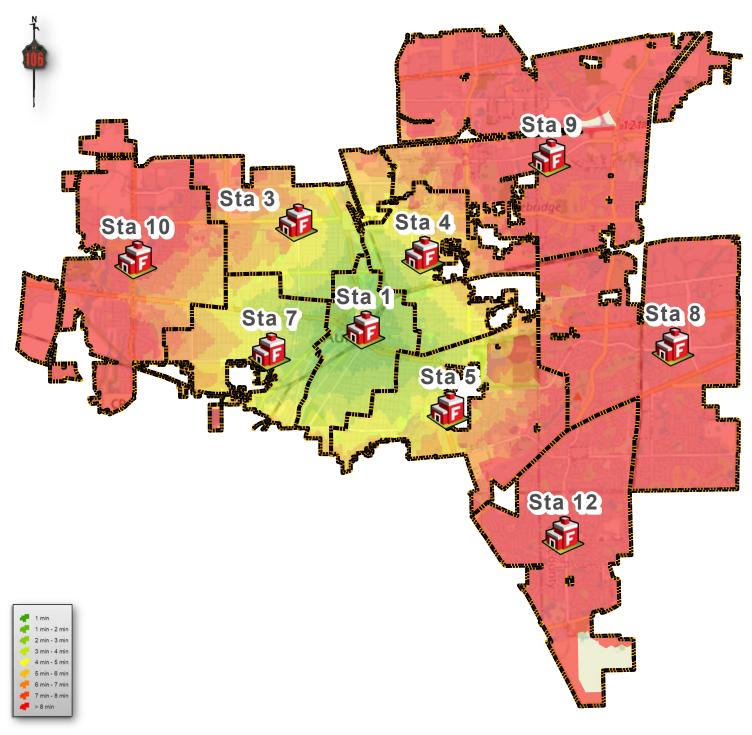






Street travel time is the time of travel from the fire stations and is displayed in one-minute increments.







6.4

**13**%

AREA IN SQUARE MILES PERCENTAGE OF TRA



19.0

40%

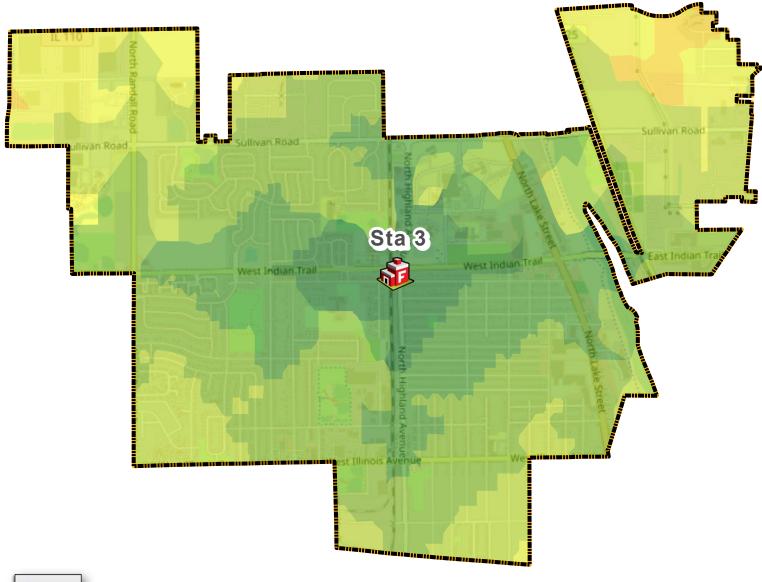
**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA





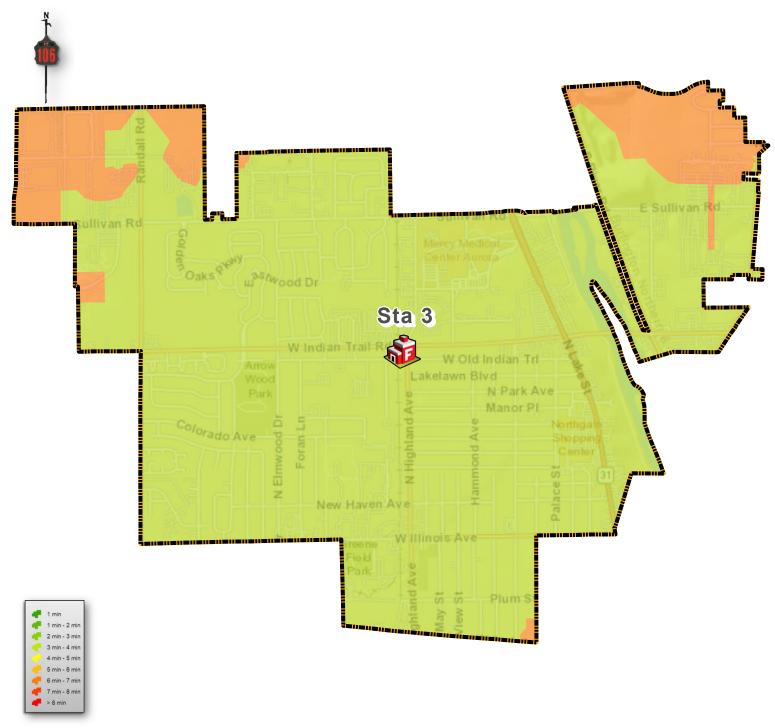
















3.5

89%

3.9

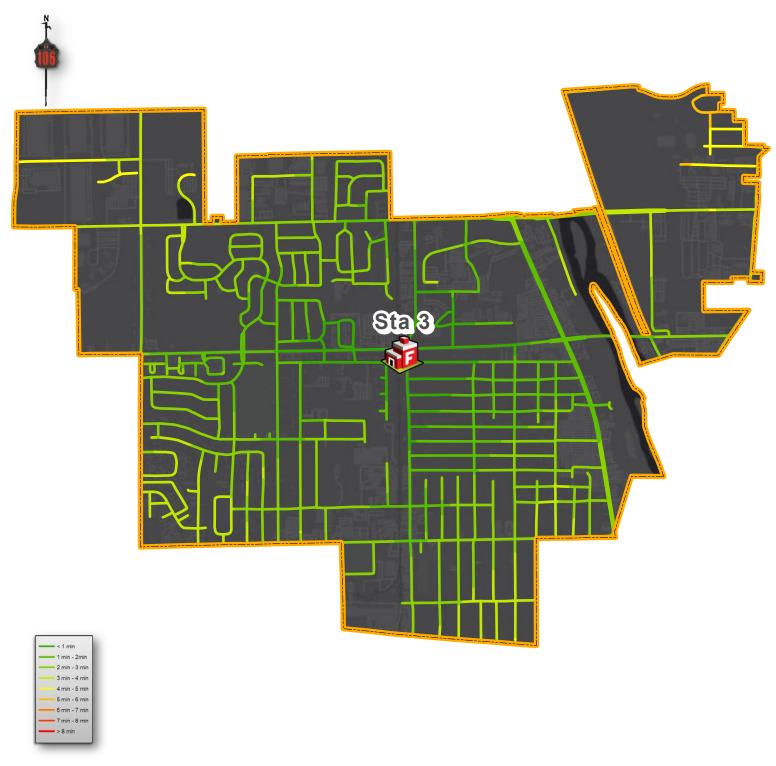
100%

AREA IN SQUARE MILES PERCENTAGE OF AOR 3

AREA IN SQUARE MILES PERCENTAGE OF AOR 3

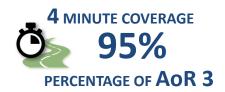








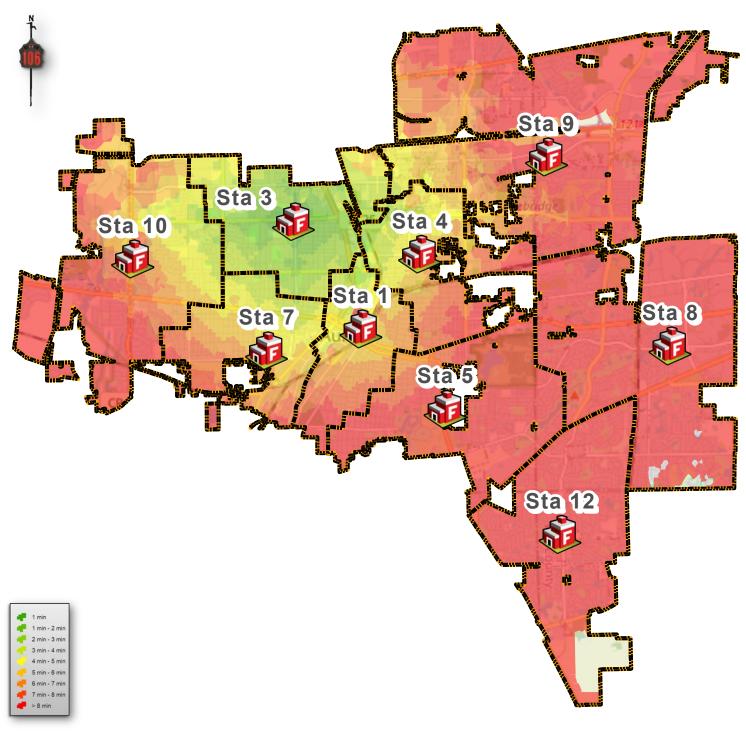






Street travel time is the time of travel from the fire stations and is displayed in one-minute increments.







**5.2** 

**11%** 

AREA IN SQUARE MILES PERCENTAGE OF TRA



19.8

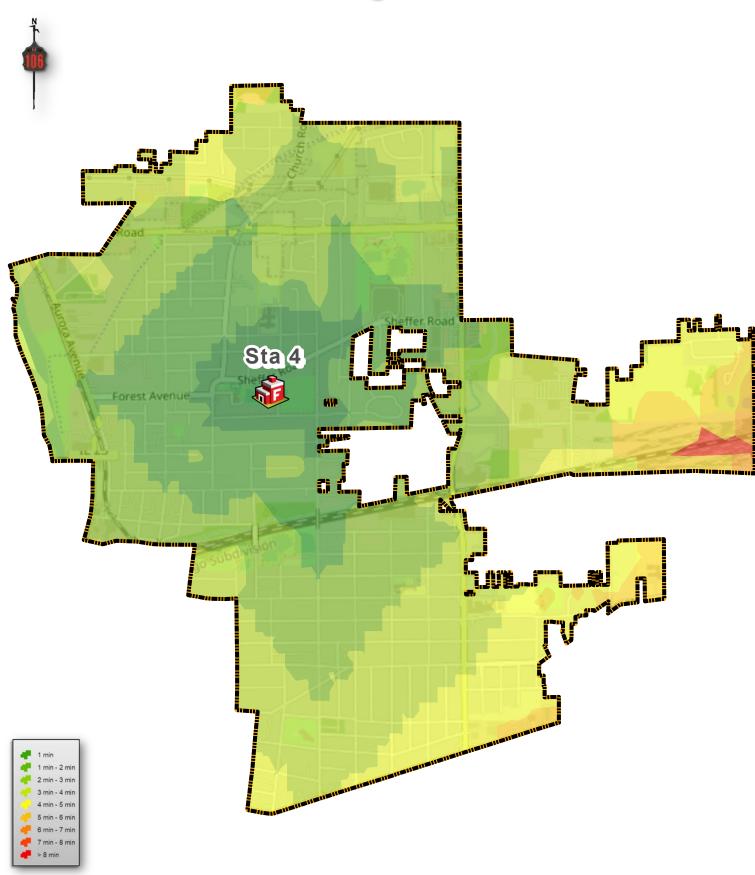
41%

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA

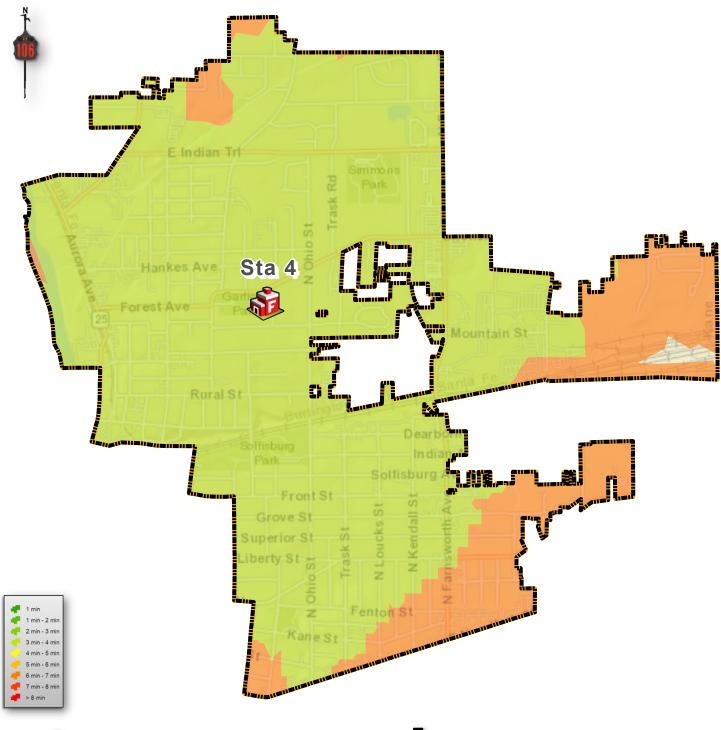
















2.6

82%

3.1

100%

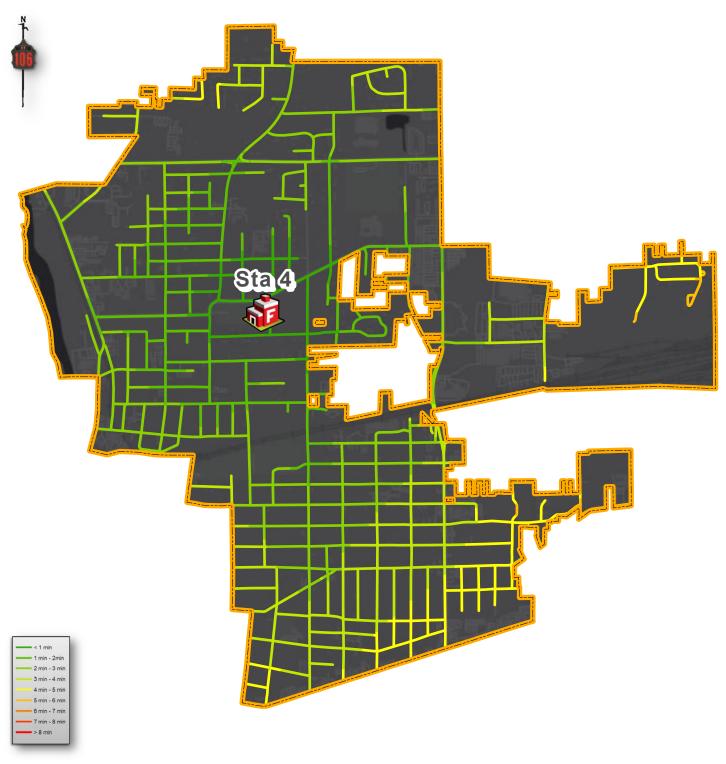
AREA IN SQUARE MILES PERCENTAGE OF AOR 4

AREA IN SQUARE MILES PERCENTAGE OF AOR 4



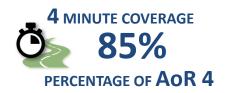
# **Streets Covered by Drive Time - AoR 4**





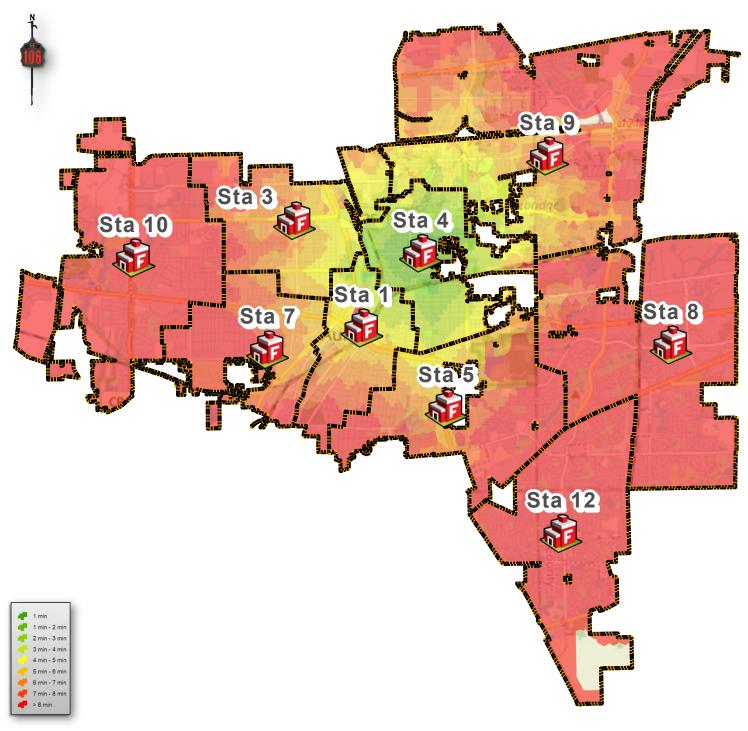














3.8

8%

AREA IN SQUARE MILES PERCENTAGE OF TRA



19.4

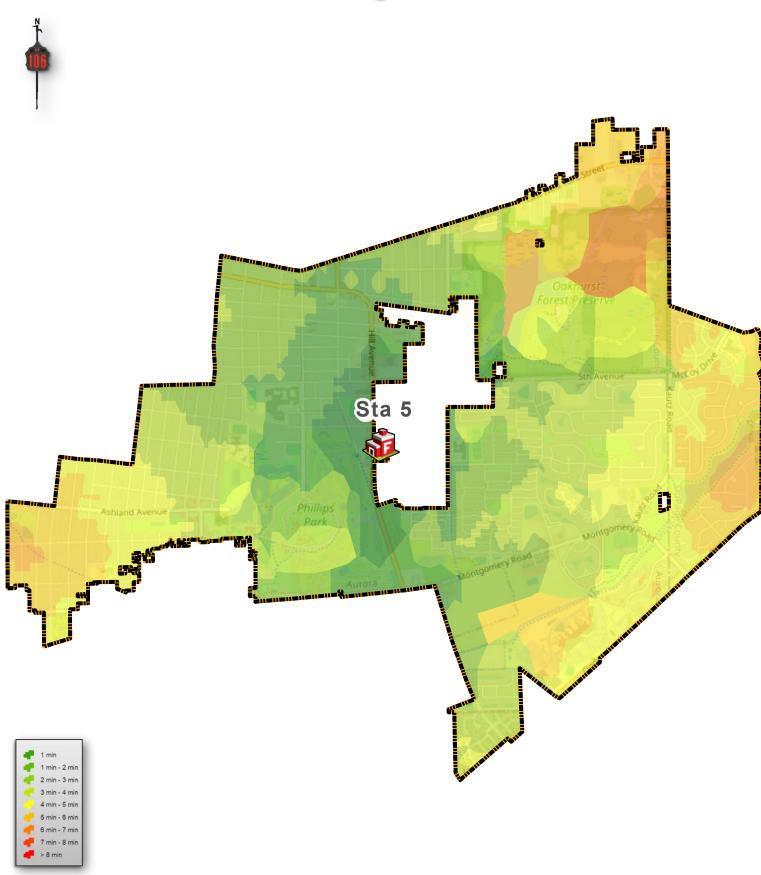
41%

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA

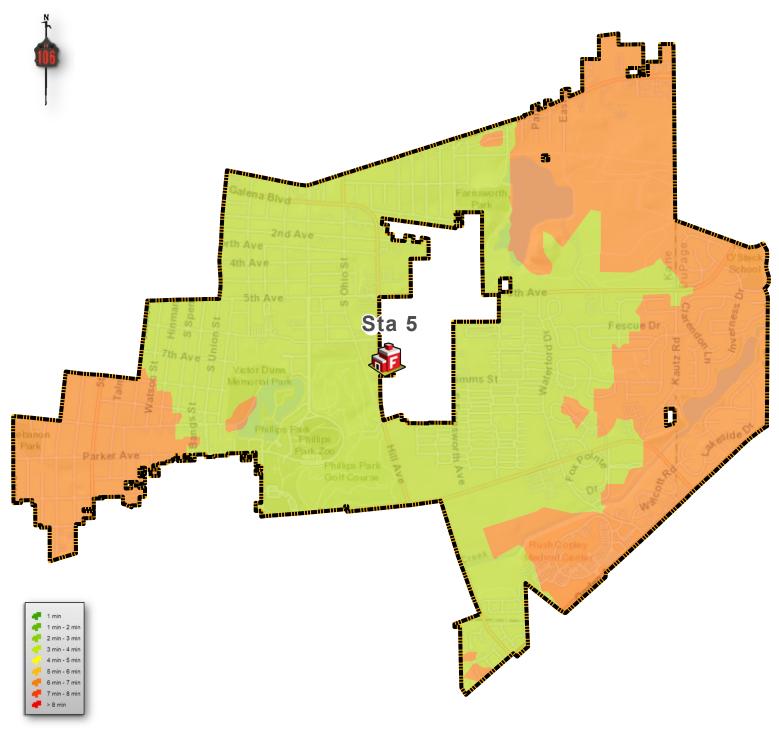
















2.7

**59%** 

4.6

100%

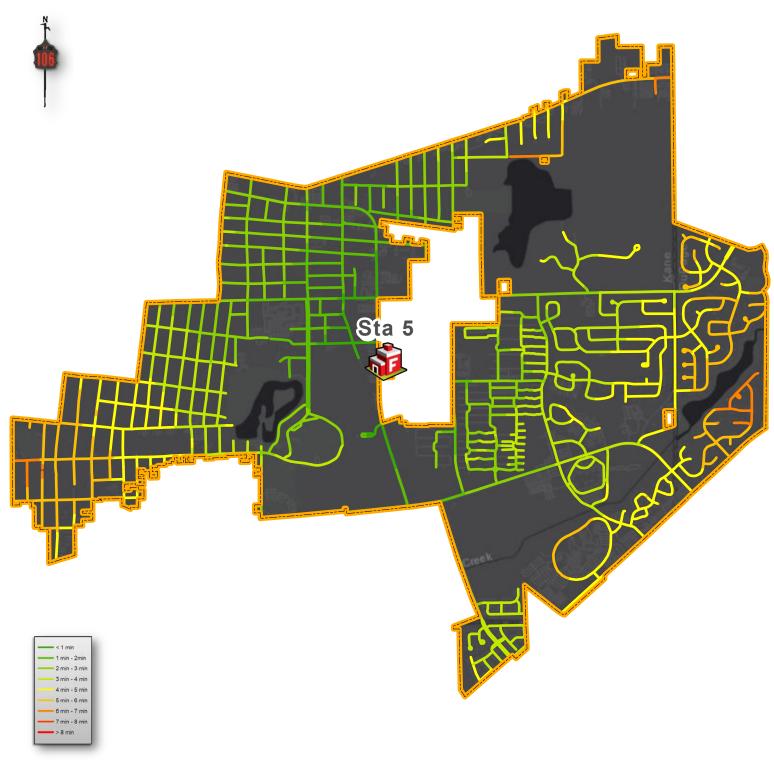
AREA IN SQUARE MILES PERCENTAGE OF AOR 5

AREA IN SQUARE MILES PERCENTAGE OF AOR 5



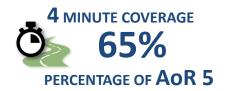
# **Streets Covered by Drive Time - AoR 5**





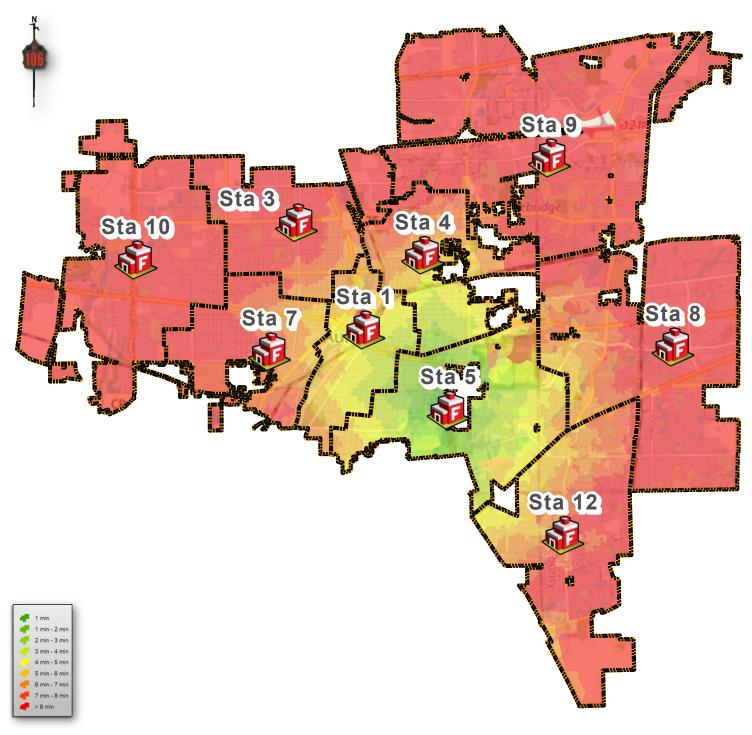














3.8

8%

AREA IN SQUARE MILES PERCENTAGE OF TRA



36%

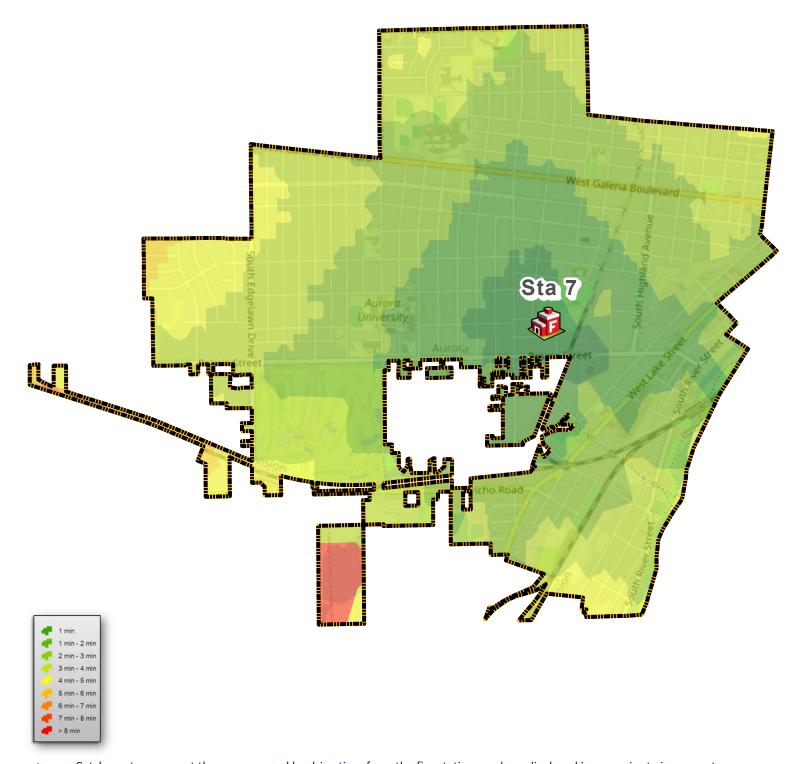
**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA



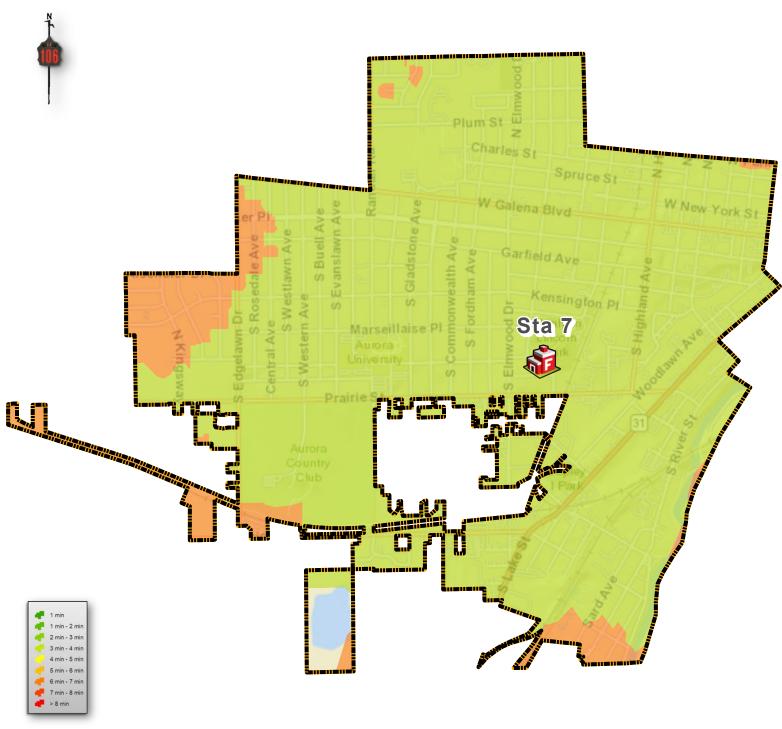






106









2.9

90%

3.2

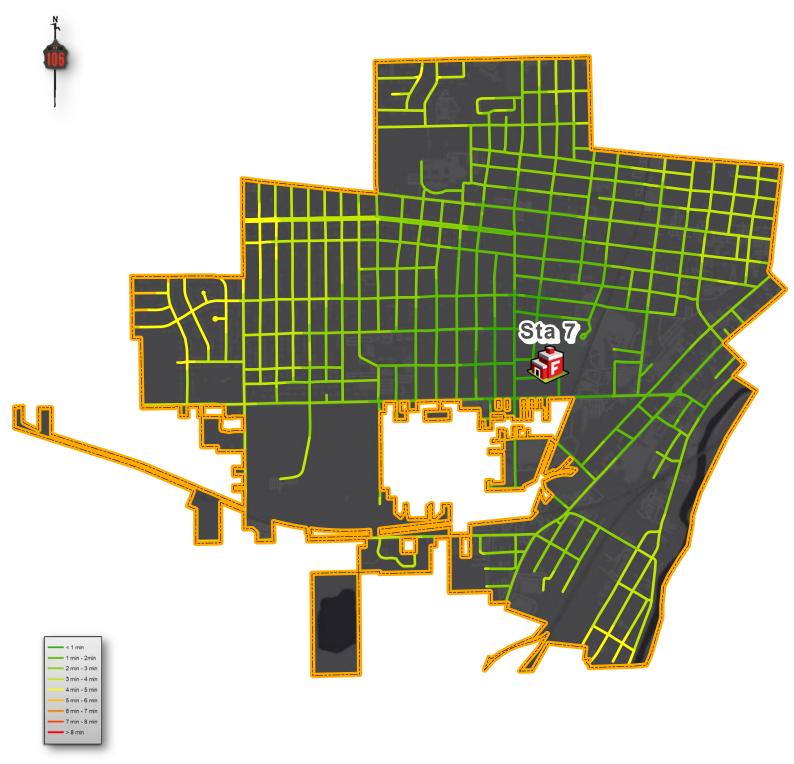
99%

AREA IN SQUARE MILES PERCENTAGE OF AOR 7

AREA IN SQUARE MILES PERCENTAGE OF AOR 7







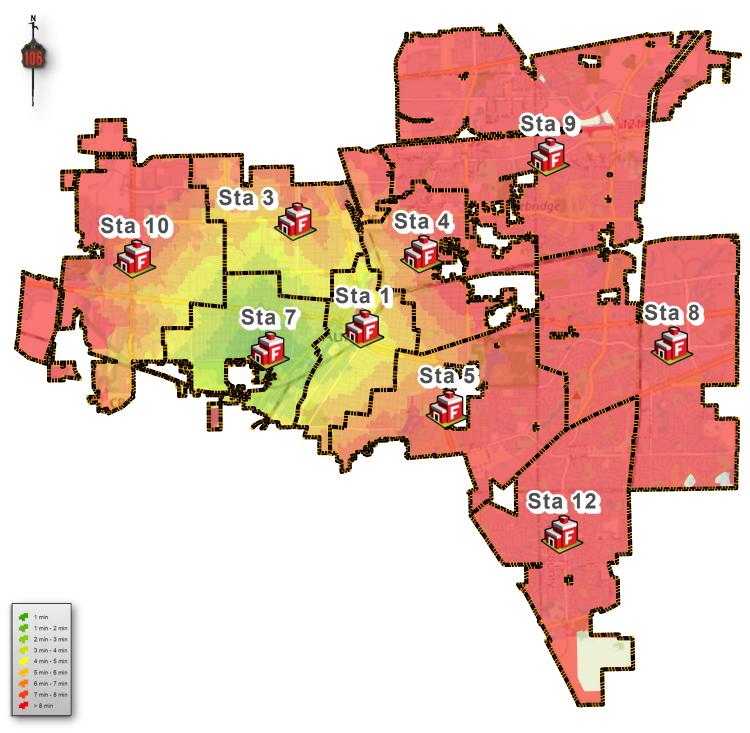














4.0

8%

AREA IN SQUARE MILES PERCENTAGE OF TRA



16.1

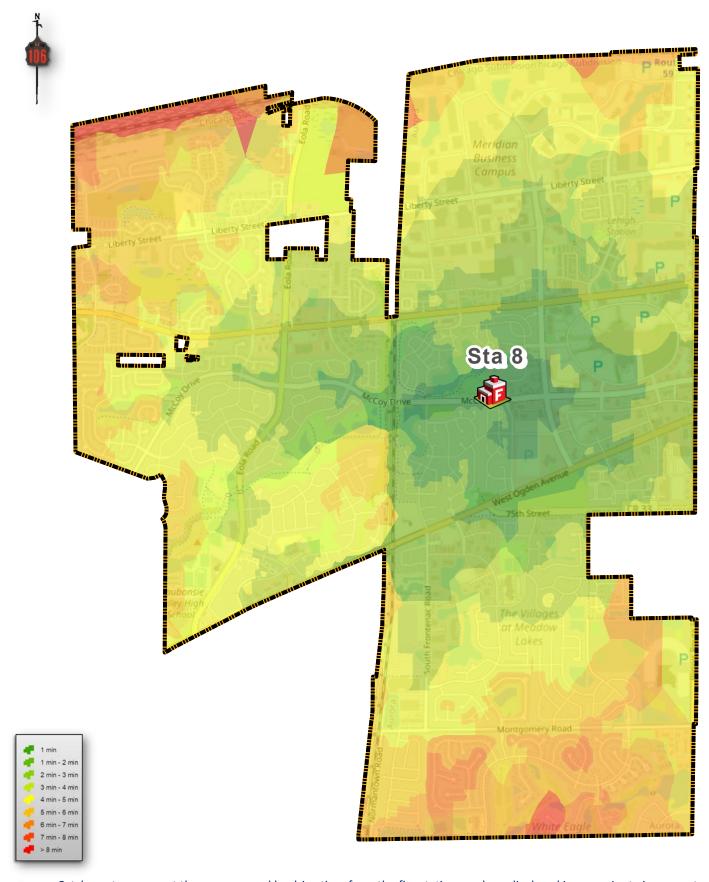
34%

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA



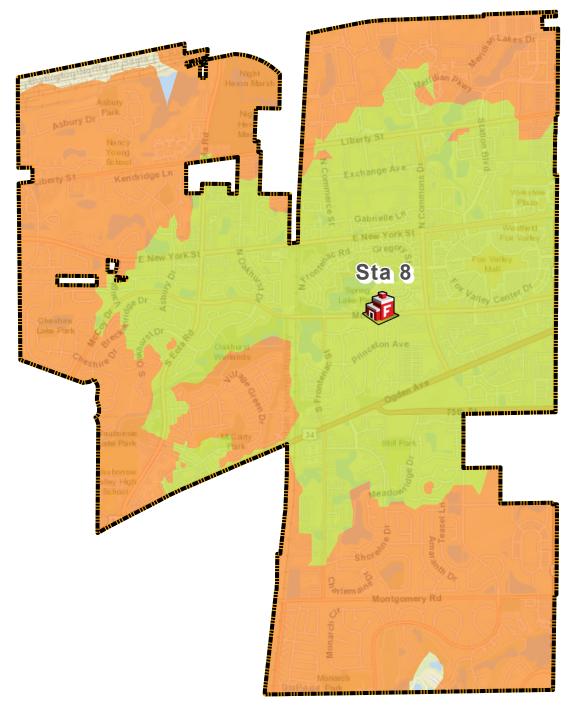














8 MINUTE COVERAGE

3.7

46%

7.8

99%

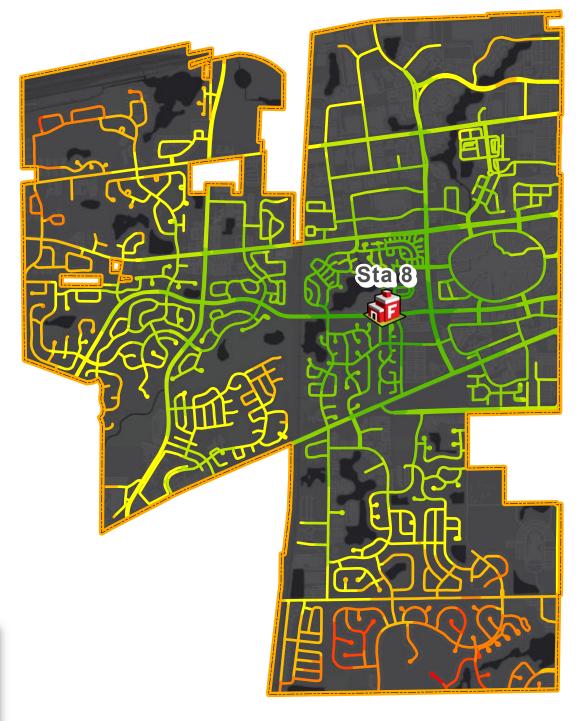
AREA IN SQUARE MILES PERCENTAGE OF AOR 8

AREA IN SQUARE MILES PERCENTAGE OF AOR 8





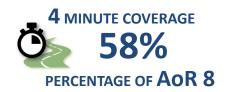






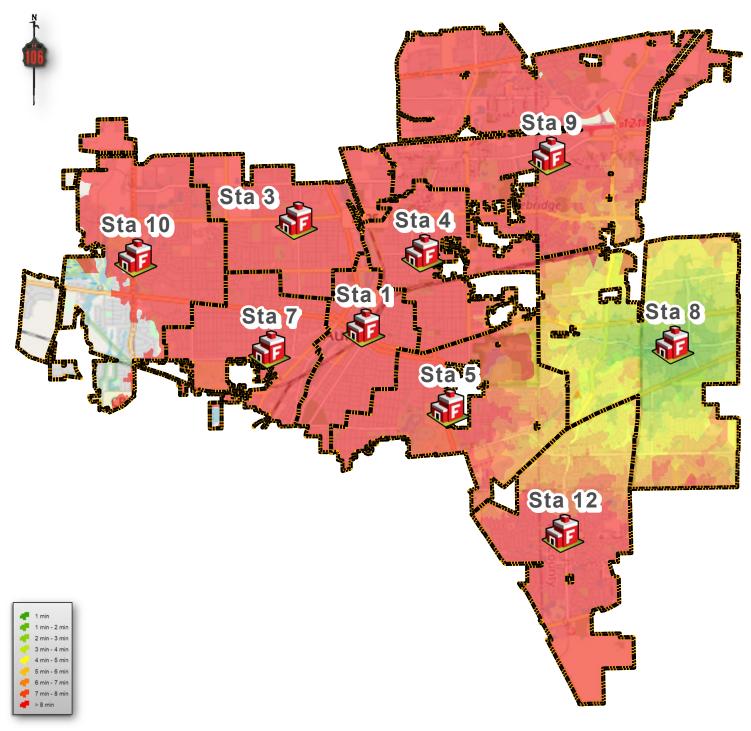














8%

AREA IN SQUARE MILES PERCENTAGE OF TRA

8 MINUTE COVERAGE

26%

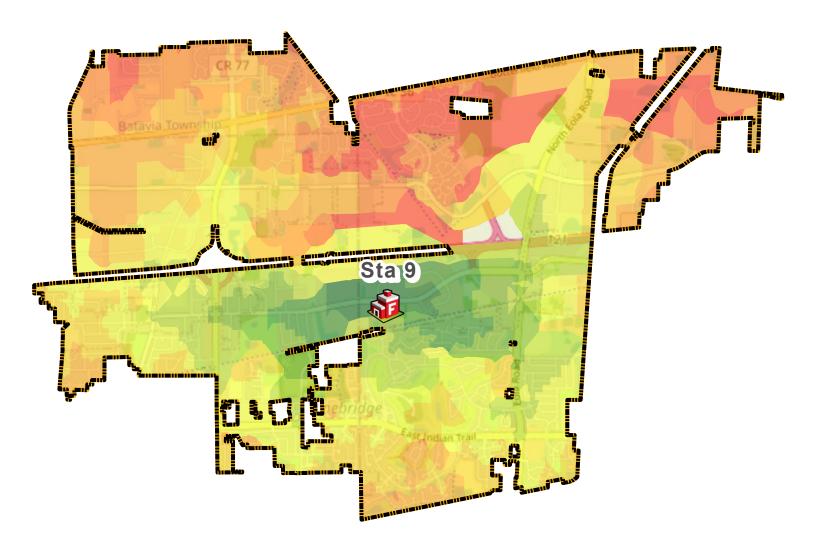
**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA





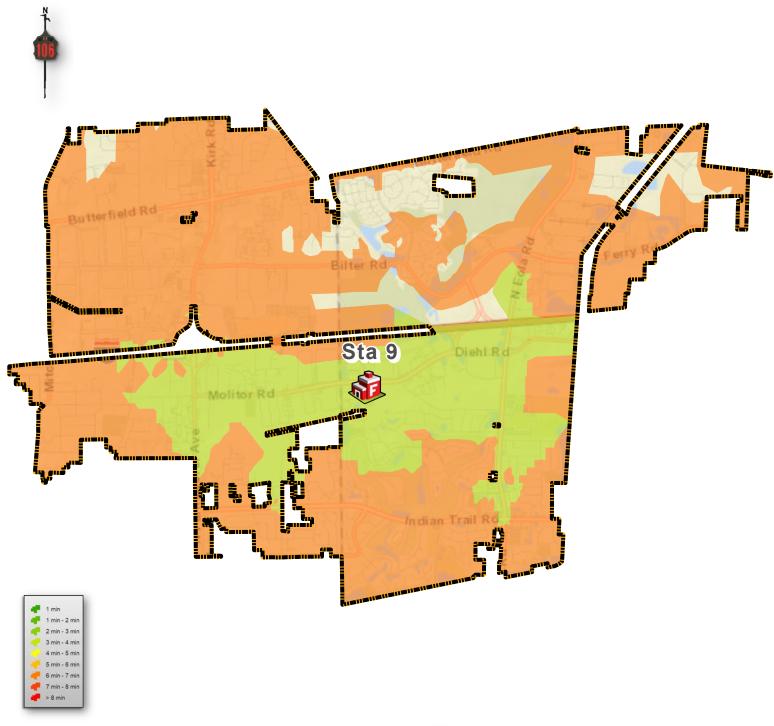














8 MINUTE COVERAGE

90%

AREA IN SQUARE MILES PERCENTAGE OF AOR 9

AREA IN SQUARE MILES PERCENTAGE OF AOR 9

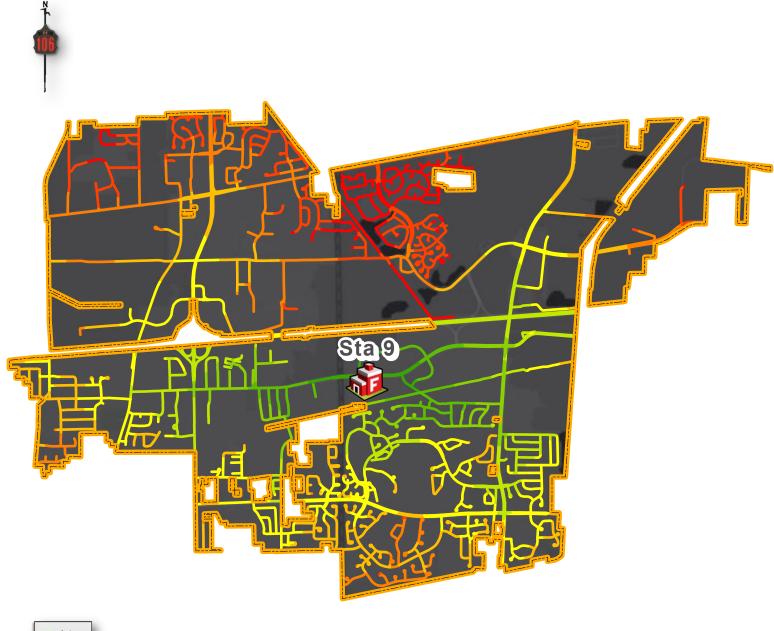
45



Catchments represent the area covered by drive time from the fire stations and are displayed at the four-minute and eight-minute increments.

22%

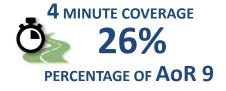






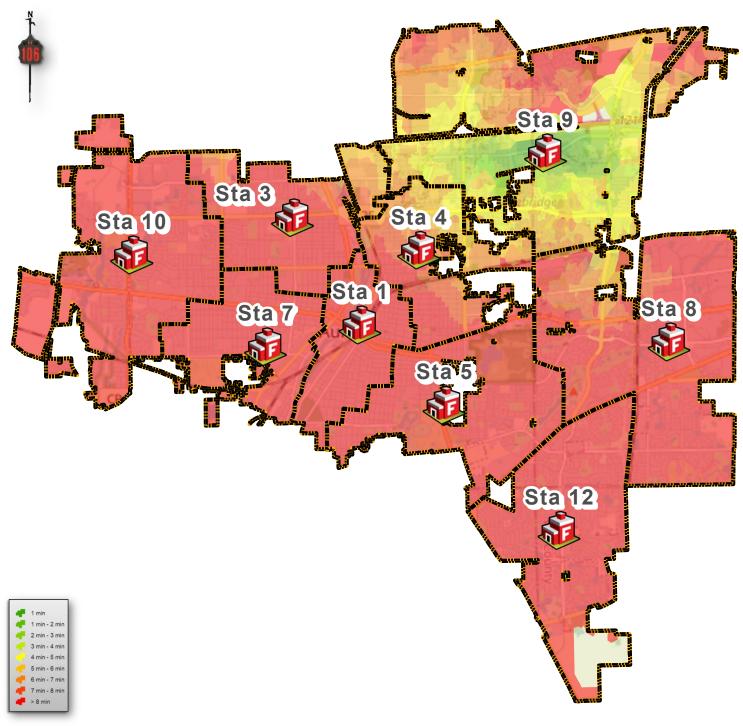














2.3

**5**%

AREA IN SQUARE MILES PERCENTAGE OF TRA



**13.5** 

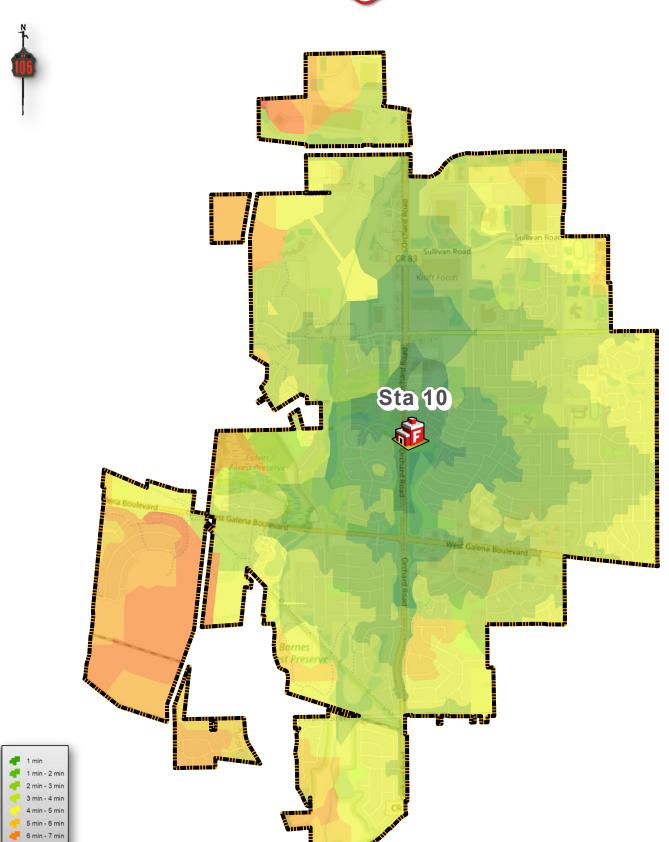
28%

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA



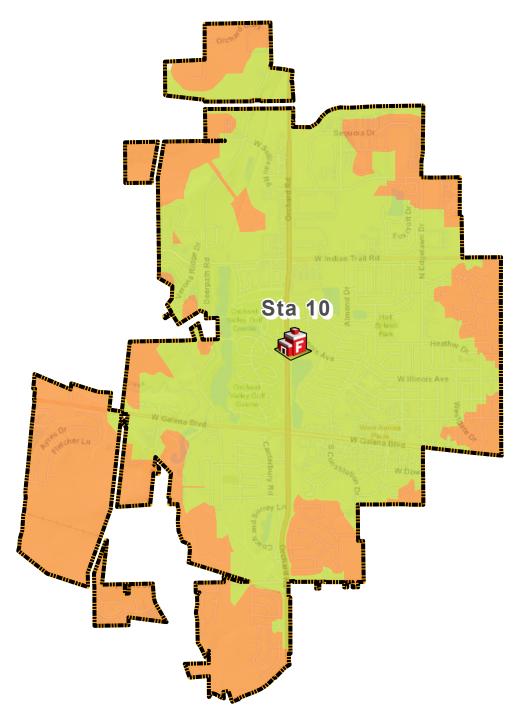


















64%

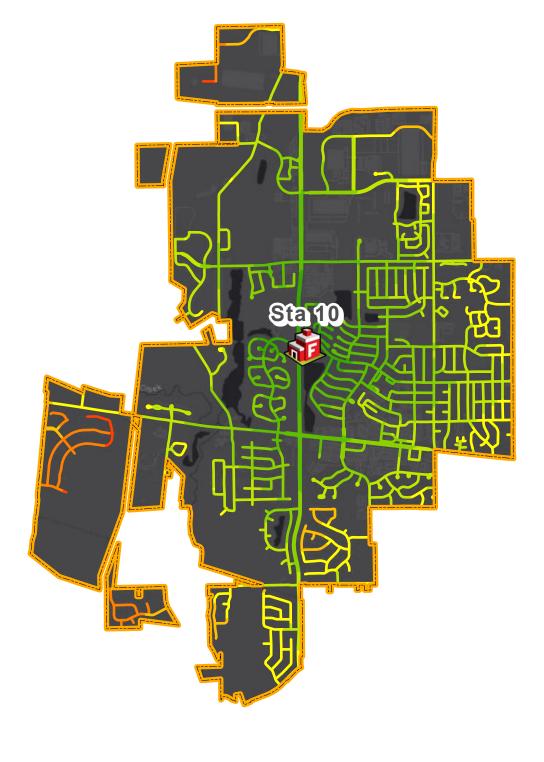
100%

AREA IN SQUARE MILES PERCENTAGE OF AOR 10 AREA IN SQUARE MILES PERCENTAGE OF AOR 10











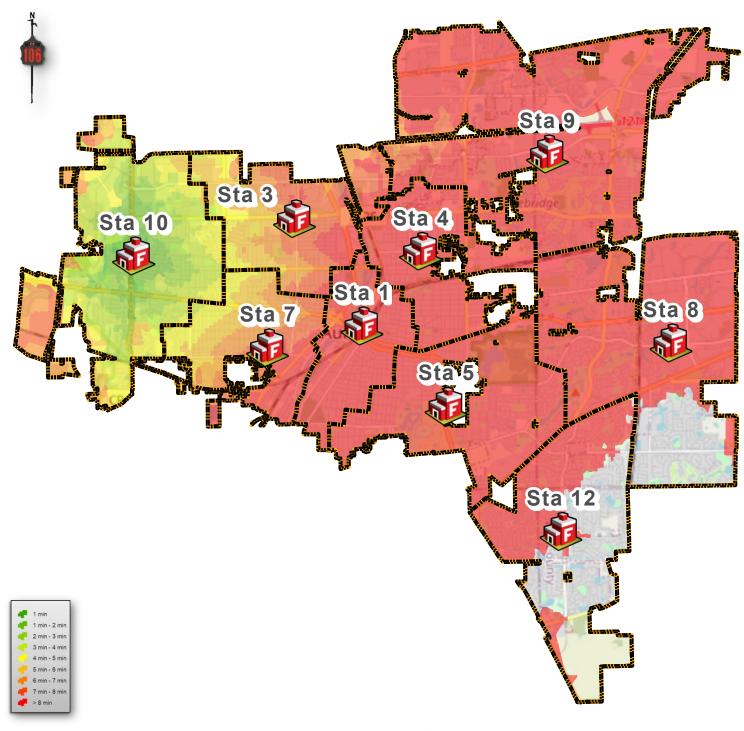














4.5

9%

AREA IN SQUARE MILES PERCENTAGE OF TRA



13.0

27%

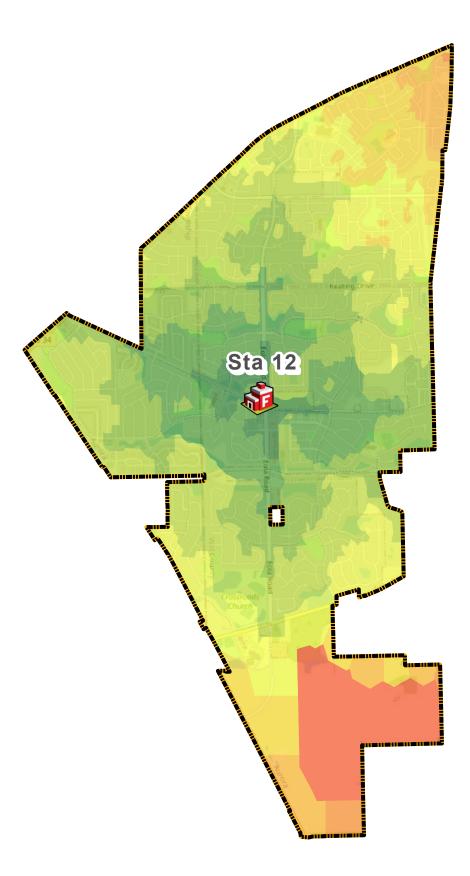
**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA







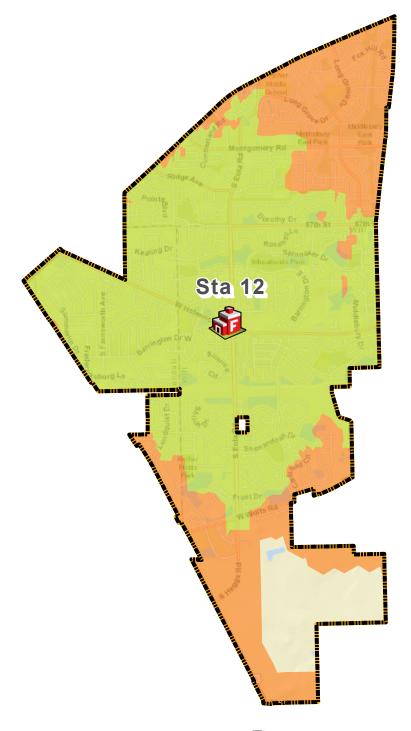


















8 MINUTE COVERAGE

63%

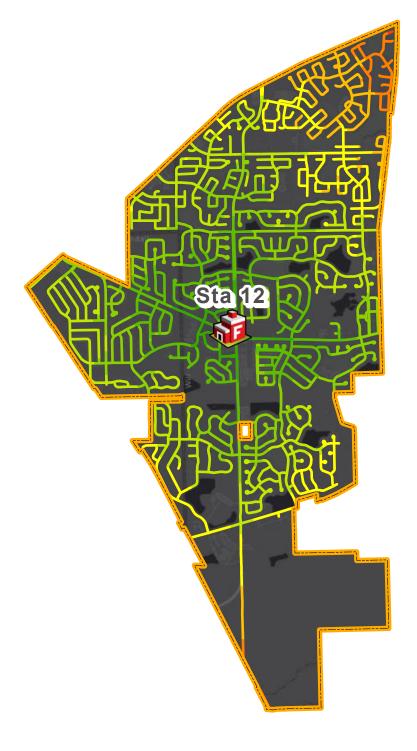
92%

AREA IN SQUARE MILES PERCENTAGE OF AOR 12 AREA IN SQUARE MILES PERCENTAGE OF AOR 12





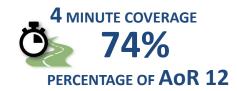






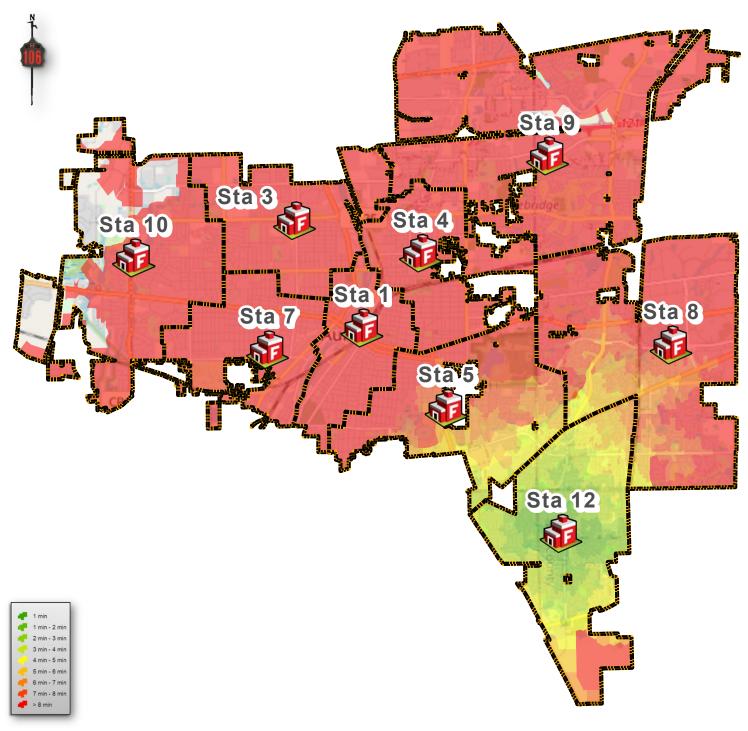














AREA IN SQUARE MILES PERCENTAGE OF TRA

3.6

8%

81

8 MINUTE COVERAGE

10.2

21%

**AREA IN SQUARE MILES** 

PERCENTAGE OF TRA





#### All Incidents

**Inside TRA Incidents** 

**Outside TRA Incidents** 

NFIRS Group - 0

NFIRS Group - 100

NFIRS Group - 200

NFIRS Group - 300

NFIRS Group - 400

NFIRS Group - 500

NFIRS Group - 600

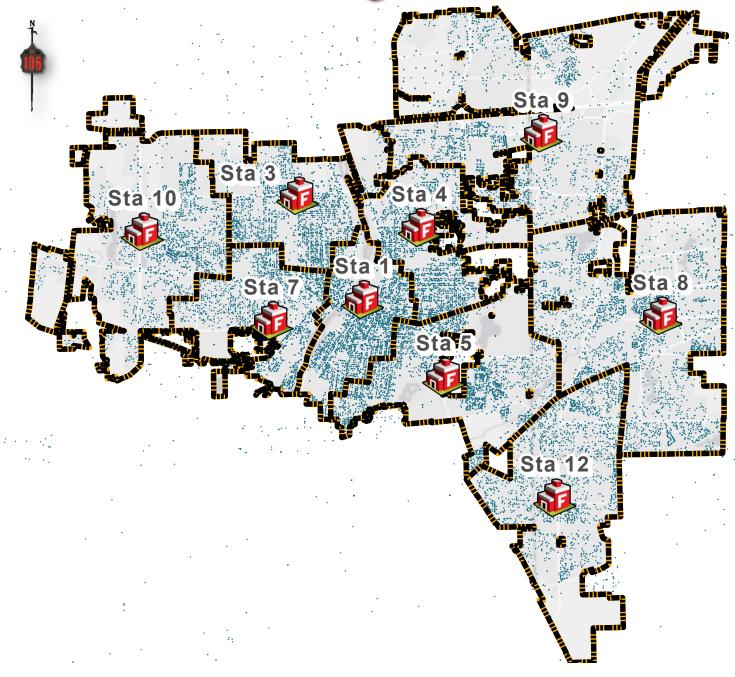
NFIRS Group - 700

NFIRS Group - 800

NFIRS Group - 900









# AURORA FIRE DEPARTMENT

**SOURCE OF INCIDENT DATA** 



68,925

**TOTAL** INCIDENTS

67,157

TRA INCIDENTS



**JAN 2018 - SEP 2021** 

**INCIDENT TIME PERIOD** 

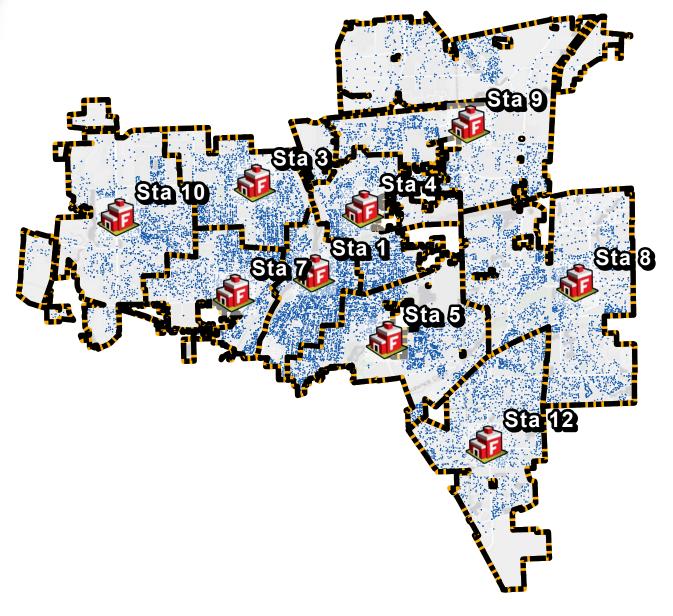
1,768
OUTSIDE TRA INCIDENTS







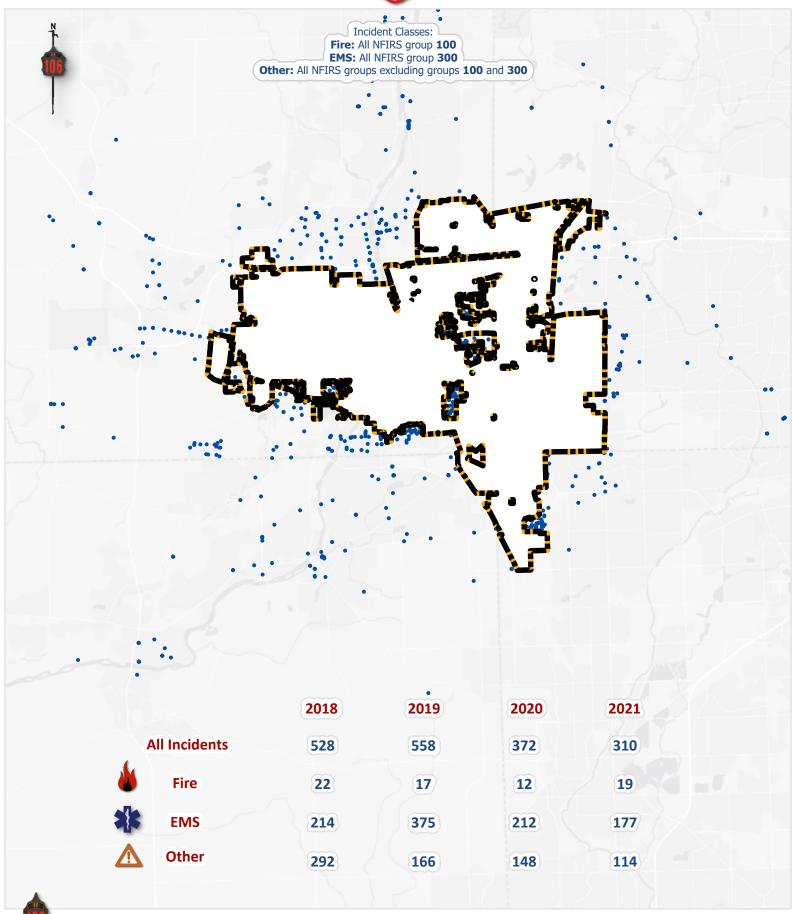
Incident Classes:
Fire: All NFIRS group 100
EMS: All NFIRS group 300
Other: All NFIRS groups excluding groups 100 and 300



		2018	2019	2020	2021
	All Incidents	16,779	18,833	17,638	13,907
	Fire	222	208	293	191
	EMS	6,312	15,229	14,155	11,191
A	Other	10,245	3,396	3,190	2,525









Not Recorded 8,007 Incidents

Not Recorded 8,007





Fire 984 Incidents

Brush or brush-and-grass mixture fire	81
Building fire	268
Camper or recreational vehicle (RV) fire	1
Chimney or flue fire, confined to chimney or flue	9
Commercial Compactor fire, confined to rubbish	3
Construction or demolition landfill fire	2
Cooking fire, confined to container	109
Cultivated grain or crop fire	1
Cultivated trees or nursery stock fire	3
Dumpster or other outside trash receptacle fire	70
Fire in portable building, fixed location	1
Fire, other	13
Fires in structure other than in a building	10
Forest, woods or wildland fire	6
Fuel burner/boiler malfunction, fire confined	4
Grass fire	18
Incinerator overload or malfunction, fire confined	1
Mobile property (vehicle) fire, other	6
Natural vegetation fire, other	7
Off-road vehicle or heavy equipment fire	7
Outside equipment fire	18
Outside gas or vapor combustion explosion	1
Outside mailbox fire	1
Outside rubbish fire, other	4
Outside rubbish, trash or waste fire	100
Outside storage fire	2
Passenger vehicle fire	200
Road freight or transport vehicle fire	13
Special outside fire, other	5
Trash or rubbish fire, contained	20





### **Overpressure Rupture Explosion Overheat No Fire**

#### 25 Incidents

Excessive heat, scorch burns with no ignition	19
Fireworks explosion (no fire)	1
Overpressure rupture from air or gas, other	1
Overpressure rupture of air or gas pipe/pipeline	1
Overpressure rupture of steam boiler	2
Overpressure rupture of steam pipe or pipeline	1





Rescue EMS 47,865 Incidents

Electrocution or potential electrocution	1
Emergency medical service incident, other	303
EMS call, excluding vehicle accident with injury	40,916
Extrication of victim(s) from building/structure	6
Extrication of victim(s) from machinery	7
Extrication of victim(s) from vehicle	37
Extrication, rescue, other	2
High-angle rescue	2
Ice rescue	1
Lock-in (if lock out , use 511 )	24
Medical assist, assist EMS crew	2,585
Motor vehicle accident with injuries	2,686
Motor vehicle accident with no injuries.	695
Motor vehicle/pedestrian accident (MV Ped)	176
Removal of victim(s) from stalled elevator	253
Rescue or EMS standby	16
Rescue, EMS incident, other	141
Search for person in water	3
Search for person on land	1
Swift water rescue	3
Swimming/recreational water areas rescue	2
Trapped by power lines	1
Water & ice-related rescue, other	4





#### **Hazardous Condition No Fire**

### 1,834 Incidents

Accident, potential accident, other	4
Arcing, shorted electrical equipment	126
Attempt to burn	8
Attempted burning, illegal action, other	19
Biological hazard, confirmed or suspected	3
Breakdown of light ballast	3
Building or structure weakened or collapsed	6
Carbon monoxide incident	543
Chemical hazard (no spill or leak)	9
Chemical spill or leak	8
Combustible/flammable gas/liquid condition, other	13
Electrical wiring/equipment problem, other	39
Explosive, bomb removal (for bomb scare, use 721)	1
Gas leak (natural gas or LPG)	683
Gasoline or other flammable liquid spill	49
Hazardous condition, other	17
Heat from short circuit (wiring), defective/worn	29
Oil or other combustible liquid spill	10
Overheated motor	27
Power line down	
Refrigeration leak	
Toxic condition, other	
Vehicle accident, general cleanup	





Service Call 2,278 Incidents

Animal problem	8
Animal rescue	12
Assist invalid	104
Assist police or other governmental agency	67
Cover assignment, standby, moveup	9
Defective elevator, no occupants	102
Lock-out	208
Person in distress, other	14
Police matter	18
Public service	86
Public service assistance, other	20
Ring or jewelry removal	2
Service Call, other	78
Smoke or odor removal	455
Unauthorized burning	739
Water evacuation	7
Water or steam leak	300
Water problem, other	49





#### **Canceled Good Intent**

## 2,477 Incidents

Authorized controlled burning	36
Biological hazard investigation, none found	1
Dispatched & canceled en route	1,509
EMS call, party transported by non-fire agency	4
Good intent call, other	371
HazMat release investigation w/no HazMat	77
No incident found on arrival at dispatch address	97
Prescribed fire	2
Smoke from barbecue, tar kettle	10
Smoke scare, odor of smoke	314
Steam, other gas mistaken for smoke, other	8
Steam, vapor, fog or dust thought to be smoke	35
Vicinity alarm (incident in other location)	2
Wrong location	11





#### **False Alarm False Call**

## 5,389 Incidents

Alarm system activation, no fire - unintentional	1,098
Alarm system sounded due to malfunction	664
Biological hazard, malicious false report	1
Carbon monoxide detector activation, no CO	296
Central station, malicious false alarm	98
CO detector activation due to malfunction	184
Detector activation, no fire - unintentional	363
Direct tie to FD, malicious false alarm	2
Extinguishing system activation	6
Extinguishing system activation due to malfunction	21
False alarm or false call, other	420
Heat detector activation due to malfunction	48
Local alarm system, malicious false alarm	40
Malicious, mischievous false call, other	61
Municipal alarm system, malicious false alarm	50
Smoke detector activation due to malfunction	483
Smoke detector activation, no fire - unintentional	1,081
Sprinkler activation due to malfunction	102
Sprinkler activation, no fire - unintentional	109
System malfunction, other	70
Telephone, malicious false alarm	9
Unintentional transmission of alarm, other	183



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#### **Severe Weather and Natural Disaster**

#### 11 Incidents

Flood assessment	1
Lightning strike (no fire)	2
Severe weather or natural disaster standby	2
Severe weather or natural disaster, other	1
Wind storm, tornado/hurricane assessment	5





## **Special Incident Type**

#### **55 Incidents**

69

Citizen complaint	37
Special type of incident, other	18



# **Incidents by NFIRS Code**



TRA

AoR 1

AoR 3

AoR 4

AoR 5

AoR 7

AoR 8

AoR 9

AoR 10

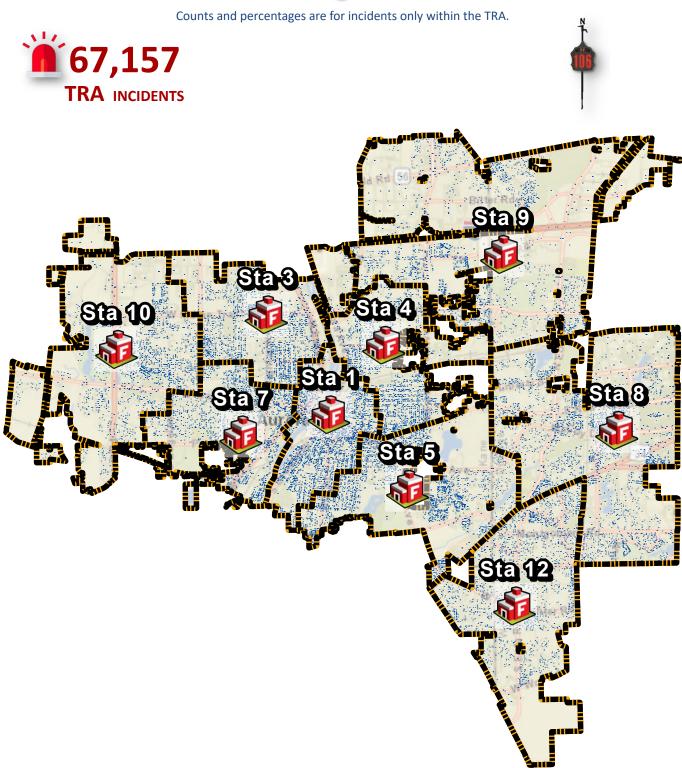
AoR 12



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70





#### **NFIRS Groups: Counts and Percentages**

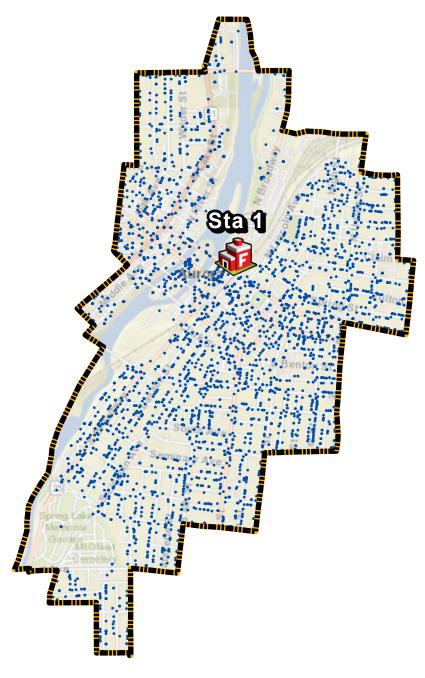
100	200	300	400	500	600	700	800	900
1.5%	<0.1%	78.9%	3%	3.7%	3.8%	8.8%	<0.1%	0.1%
914	24	46,887	1,797	2,223	2,249	5,243	11	54













#### **NFIRS Groups: Percentages and Counts**

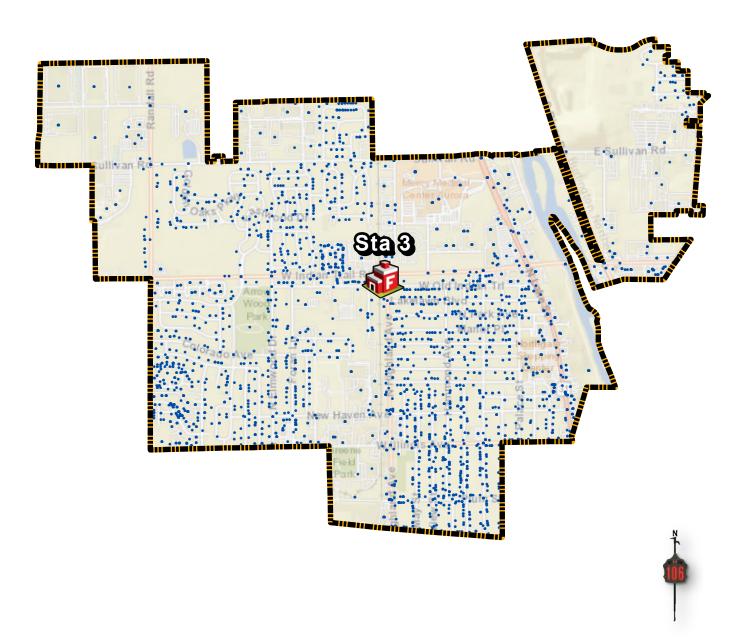
100	200	300	400	500	600	700	800	900
1.3%	<0.1%	83.4%	2.1%	3.8%	2.9%	6.3%	<0.1%	<0.1%
125	2	7,823	200	361	273	588	1	4







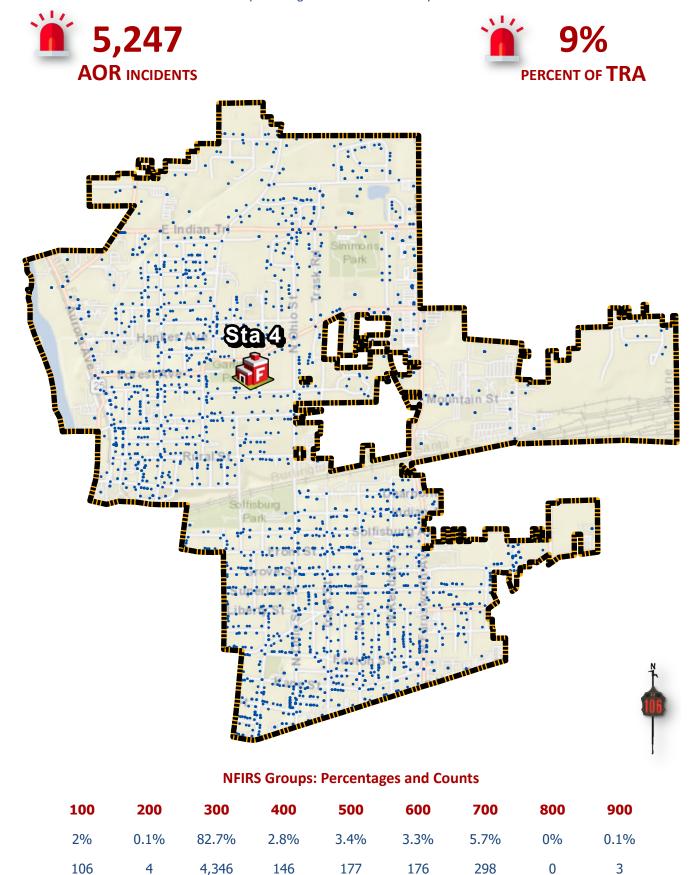




100	200	300	400	500	600	700	800	900
1.8%	0.1%	80.2%	2.9%	3.6%	2.8%	8.6%	<0.1%	<0.1%
119	7	5,165	186	231	179	552	1	1





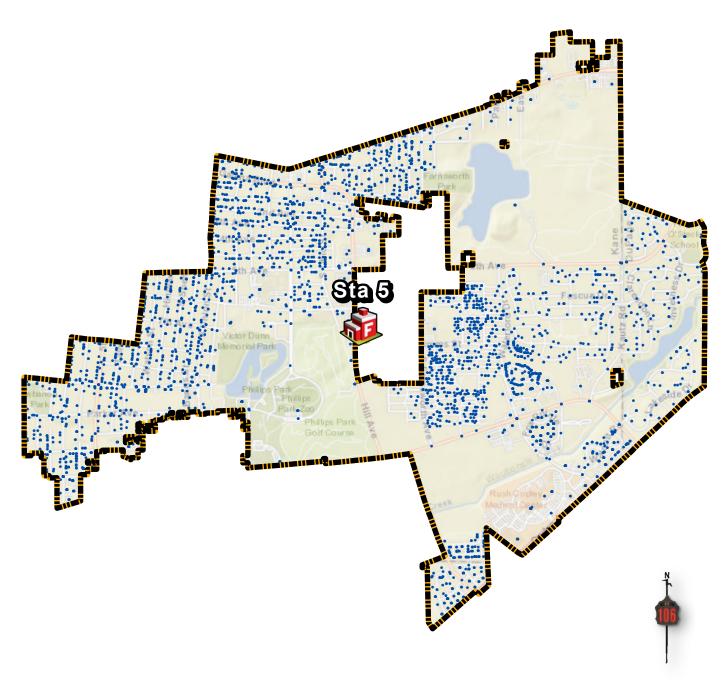












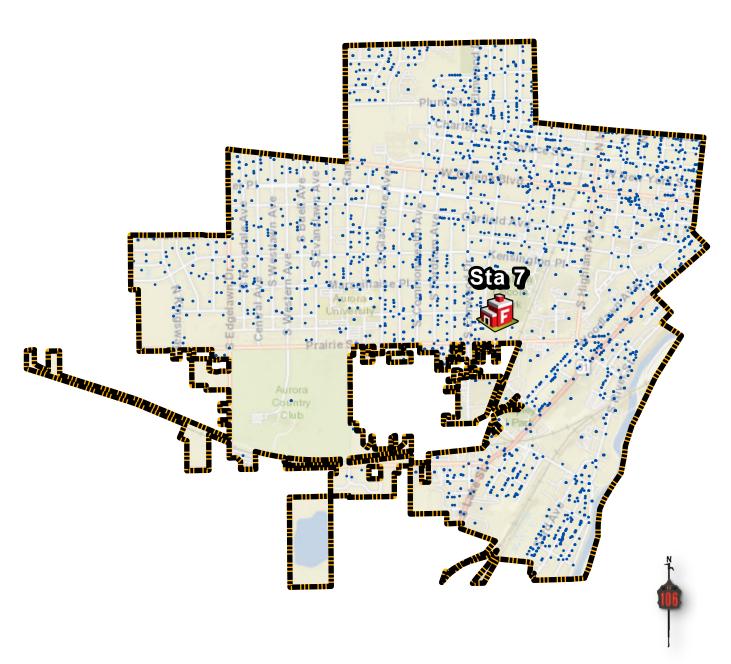
100	200	300	400	500	600	700	800	900
1.4%	<0.1%	82.4%	3.6%	3.8%	3.1%	5.5%	<0.1%	0.2%
106	1	6,266	273	291	237	419	2	13











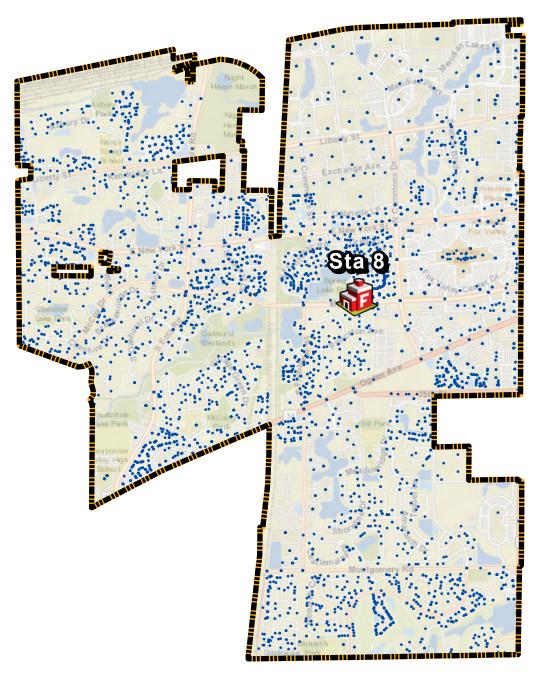
100	200	300	400	500	600	700	800	900
1.6%	0.1%	80.5%	3%	3.6%	3.2%	8%	<0.1%	0.1%
87	3	4,332	160	194	172	430	2	3













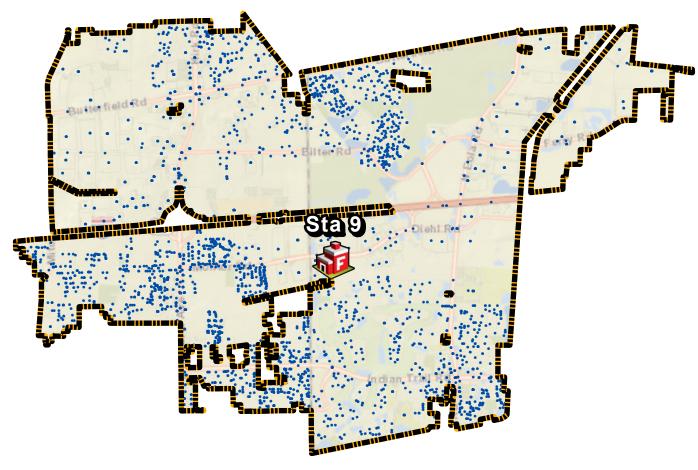
100	200	300	400	500	600	700	800	900
1.7%	<0.1%	65.5%	4.1%	4.5%	7.3%	16.7%	<0.1%	0.1%
126	1	4,780	297	330	532	1,222	1	7













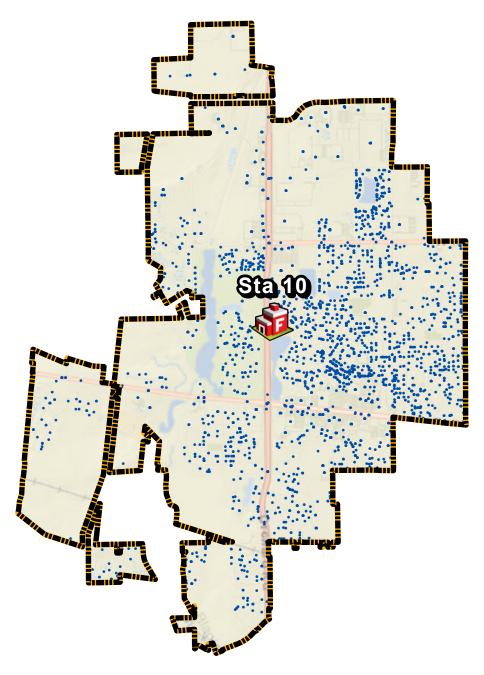
100	200	300	400	500	600	700	800	900
1.5%	0.1%	78.2%	2.3%	2.8%	4.2%	10.9%	<0.1%	0.1%
107	4	5,709	165	204	308	794	2	7













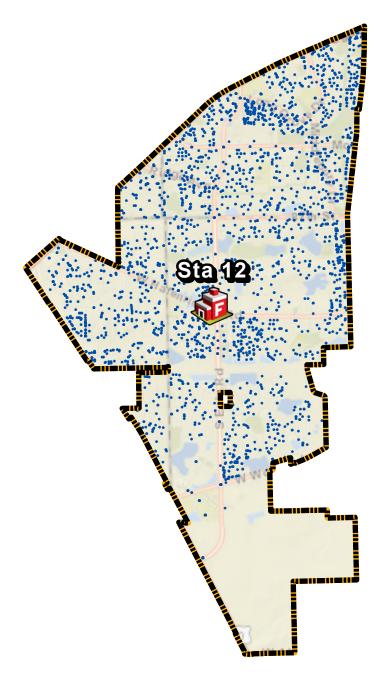
100	200	300	400	500	600	700	800	900
1.1%	0%	79.8%	2.6%	3.6%	3.3%	9.4%	<0.1%	0.1%
74	0	5,464	180	246	225	646	2	6













100	200	300	400	500	600	700	800	900
1.6%	0.1%	77%	4.9%	4.8%	3.8%	7.5%	0%	0.3%
64	2	3,002	190	189	147	294	0	10



## **Incidents Hotspots**



NFIRS Group 100 - 900

NFIRS Group 100

NFIRS Group 200

NFIRS Group 300

NFIRS Group 400

NFIRS Group 500

NFIRS Group 600

NFIRS Group 700

NFIRS Group 800

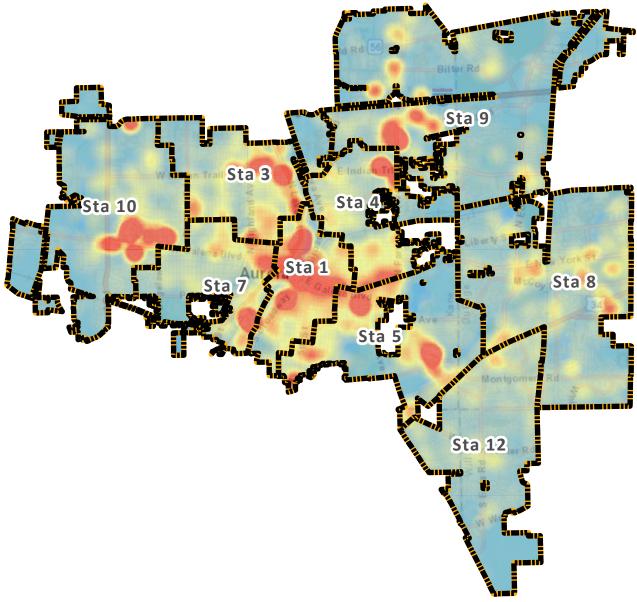
NFIRS Group 900











NFIRS 100 - 900 : All Incidents

**Percentage of TRA incidents** 

**16%** 

11%

9%

13%

**AOR 1** 

AOR 3

AOR 4

AOR 5

9%

**12% 12% 12%** 

**7**%

**AOR 7** 

**AOR 8** 

**AOR 9** 

**AOR 10** 





Counts and percentages are for incidents only within the TRA. 914 **INCIDENTS** Sta 9 Sta 3 Sta 4 \*\*Sta 10 Sta 7 Sta 1 Sta 8 Sta 12 NFIRS 100: Fire **Percentage of TRA incidents 14% 13% 12% 12**% AOR 1 **AOR 3** AOR 4 AOR 5

10% 14% 12% 8%

**AOR 8** 

**AOR 9** 



**AOR 10** 

**7**%

**AOR 12** 



Counts and percentages are for incidents only within the TRA. 24 **INCIDENTS** Sta 9 Sta 3 Sta 4 \*\*Sta 10 Sta 7 Sta 8 Sta 12





8%

**29%** 

**17%** 

4%

**AOR 1** 

AOR 3

AOR 4

AOR 5

**13**%

4%

**17% 0%** 

8%

**AOR 7** 

**AOR 8** 

**AOR 9** 

**AOR 10** 





Counts and percentages are for incidents only within the TRA. 46,887 **INCIDENTS** Sta 9 Sta 3 Sta 10 Sta 4 Sta 7 Sta 1 Sta 8 Sta 12 NFIRS 300: Rescue EMS **Percentage of TRA incidents 17%** 9% 11% 13% **AOR 1** AOR 3 AOR 5 AOR 4

**10% 12% 12%** 

**AOR 9** 



**AOR 10** 

6%

**AOR 12** 

9%

**AOR 7** 



Counts and percentages are for incidents only within the TRA. 1,797 Sta 9 Sta 3 Sta 4 Sta 10 Sta 7 Sta 1 Sta 8 Sta 12

**NFIRS 400: Hazardous Condition No Fire** 

**Percentage of TRA incidents** 



11%

10%

8%

**15%** 

**AOR 1** 

AOR 3

AOR 4

AOR 5

9%

**17**% **9**% **10**%

11%

**AOR 7** 

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**AOR 8** 

AOR 9

**AOR 10** 





Counts and percentages are for incidents only within the TRA. 2,223 Sta 9 Sta 3 Sta 4 Sta 10 Sta 7 Sta 1 Sta 8 Sta 12

**NFIRS 500: Service Call** 

**Percentage of TRA incidents** 

**16%** 

10%

8%

13%

**AOR 1** 

AOR 3

AOR 4

AOR 5

9%

**15% 9% 11%** 

9%

**AOR 7** 

**AOR 8** 

AOR 9

**AOR 10** 





Counts and percentages are for incidents only within the TRA. 2,249 Sta 9 Sta 3 Sta 4 Sta 10 Sta 1 Sta 7 ur Sta 8 Sta 12





**12%** 

8%

8%

11%

AOR 1

AOR 3

AOR 4

AOR 5

8%

**24% 14% 10%** 

**7**%

**AOR 7** 

**AOR 8** 

**AOR 9** 

**AOR 10** 





Counts and percentages are for incidents only within the TRA. 5,243 Sta 9 Sta 3 Sta 4 Sta 10 Sta 7 Sta 1 Sta 8 Sta 12

> **NFIRS 700: False Alarm False Call Percentage of TRA incidents**



11%

11%

6%

8%

AOR 1

AOR 3

AOR 4

AOR 5

8%

**23% 15% 12%** 

6%

**AOR 7** 

**AOR 8** 

AOR 9

**AOR 10** 





Counts and percentages are for incidents only within the TRA. **INCIDENTS** Sta 9 Sta 3 Sta 4 \*\*Sta 10 Sta 1 Sta 7 Sta 8 Sta 12

**NFIRS 800: Severe Weather and Natural Disaster** 

**Percentage of TRA incidents** 



9%

9%

0%

18%

AOR 1

AOR 3

AOR 4

AOR 5

**18%** 

9%

**18% 18%** 

0%

**AOR 7** 

**AOR 8** 

**AOR 9** 

**AOR 10** 





Counts and percentages are for incidents only within the TRA. **INCIDENTS** Sta 9 Sta 3 Sta 4 Sta 10 Sta 1 Sta 7<sup>u</sup> Sta 8 Sta 12 **NFIRS 900 : Special Incident Type** 





**7%** 

2%

6%

24%

AOR 1

AOR 3

AOR 4

AOR 5

6%

**13%** 

**13% 11%** 

19%

**AOR 7** 

AOR 8

**AOR 9** 

**AOR 10** 



## **Service Area Performance**



Incidents & Streets by Drive Time - TRA

Incidents - TRA

**Response Times - TRA** 

Response Times by Year - TRA

ERF - TRA

Incidents & Streets by Drive Time - AoR 1

Incidents - AoR 1

Response Times - AoR 1

Response Times by Year - AoR 1

ERF - AoR 1

Incidents & Streets by Drive Time - AoR 3

Incidents - AoR 3

Response Times - AoR 3

Response Times by Year - AoR 3

ERF - AoR 3

Incidents & Streets by Drive Time - AoR 4

Incidents - AoR 4

Response Times - AoR 4

Response Times by Year - AoR 4

ERF - AoR 4

Incidents & Streets by Drive Time - AoR 5

Incidents - AoR 5

Response Times - AoR 5

Response Times by Year - AoR 5

ERF - AoR 5

Incidents & Streets by Drive Time - AoR 7

Incidents - AoR 7

Response Times - AoR 7

Response Times by Year - AoR 7

ERF - AoR 7

Incidents & Streets by Drive Time - AoR 8

Incidents - AoR 8

Response Times - AoR 8

Response Times by Year - AoR 8

ERF - AoR 8

Incidents & Streets by Drive Time - AoR 9

Incidents - AoR 9

Response Times - AoR 9

Response Times by Year - AoR 9

ERF - AoR 9

Incidents & Streets by Drive Time - AoR 10

Incidents - AoR 10

Response Times - AoR 10

Response Times by Year - AoR 10

ERF - AoR 10

Incidents & Streets by Drive Time - AoR 12

Incidents - AoR 12

Response Times - AoR 12

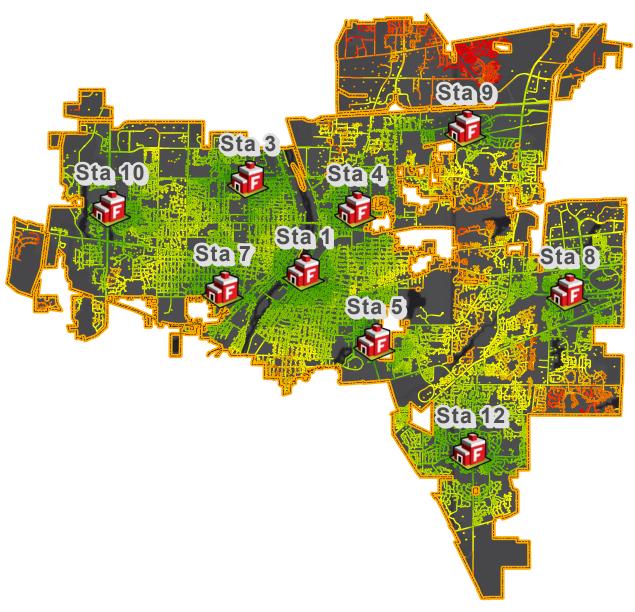
Response Times by Year - AoR 12

ERF - AoR 12









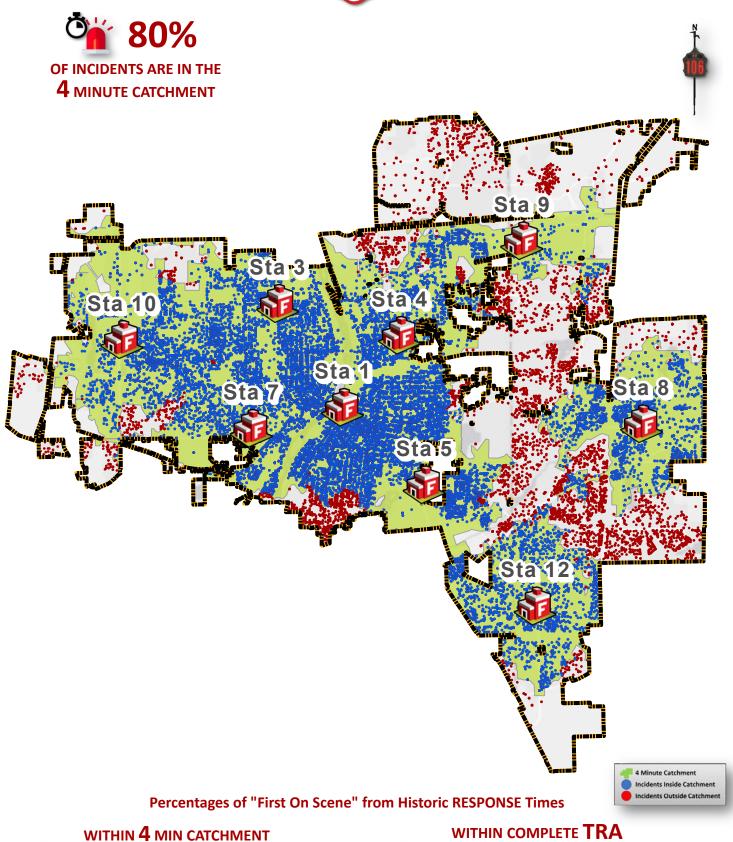


Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.























## Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
All	00:08:40	00:07:27	00:06:43	00:06:10	00:05:42
Fire	00:08:19	00:07:10	00:06:24	00:05:49	00:05:22
EMS	00:08:19	00:07:15	00:06:35	00:06:04	00:05:37



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	<b>60</b> %	50%
Historic	00:08:40	00:07:27	00:06:43	00:06:10	00:05:42
Calculated	00:05:57	00:05:05	00:04:36	00:04:13	00:03:53



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:08:19	00:07:10	00:06:24	00:05:49	00:05:22
Calculated	00:06:23	00:05:29	00:04:58	00:04:33	00:04:13



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:08:19	00:07:15	00:06:35	00:06:04	00:05:37
Calculated	00:05:56	00:05:04	00:04:34	00:04:13	00:03:52



## Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:09:46	00:08:07	00:07:10	00:06:32	00:05:59
Calculated	00:06:04	00:05:07	00:04:38	00:04:13	00:03:53





Ö	ΔII	Incidents Respo	inse Time (h:mi	nicel	
	90%	80%	70%	60%	50%
2018	00:08:47	00:07:27	00:06:43	00:06:05	00:05:38
2019	00:08:35	00:07:21	00:06:38	00:06:05	00:05:37
2020	00:08:37	00:07:28	00:06:46	00:06:14	00:05:47
2021	00:08:46	00:07:35	00:06:50	00:06:17	00:05:49
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)	
_	90%	80%	70%	60%	50%
2018	00:08:04	00:07:19	00:06:33	00:06:00	00:05:30
2019	00:07:51	00:06:50	00:06:01	00:05:30	00:05:15
2020	00:08:22	00:07:02	00:06:27	00:05:53	00:05:22
2021	00:08:31	00:07:11	00:06:25	00:05:47	00:05:16
Ö	EMS	Incidents Resp	onse Time (h:m	ım:ss)	
	90%	80%	70%	60%	50%
2018	00:08:15	00:07:07	00:06:29	00:06:00	00:05:26
2019	00:08:13	00:07:07	00:06:29	00:05:58	00:05:31
2020	00:08:18	00:07:17	00:06:38	00:06:08	00:05:42
2021	00:08:27	00:07:24	00:06:44	00:06:10	00:05:44
	Othe	r Incidents Resp	oonse Time (h:n	nm:ss)	
	90%	80%	70%	60%	50%
2018	00:09:09	00:07:40	00:06:52	00:06:15	00:05:46
2019	00:10:32	00:08:39	00:07:35	00:06:52	00:06:16
2020	00:10:09	00:08:35	00:07:39	00:06:58	00:06:21



2021

00:10:22

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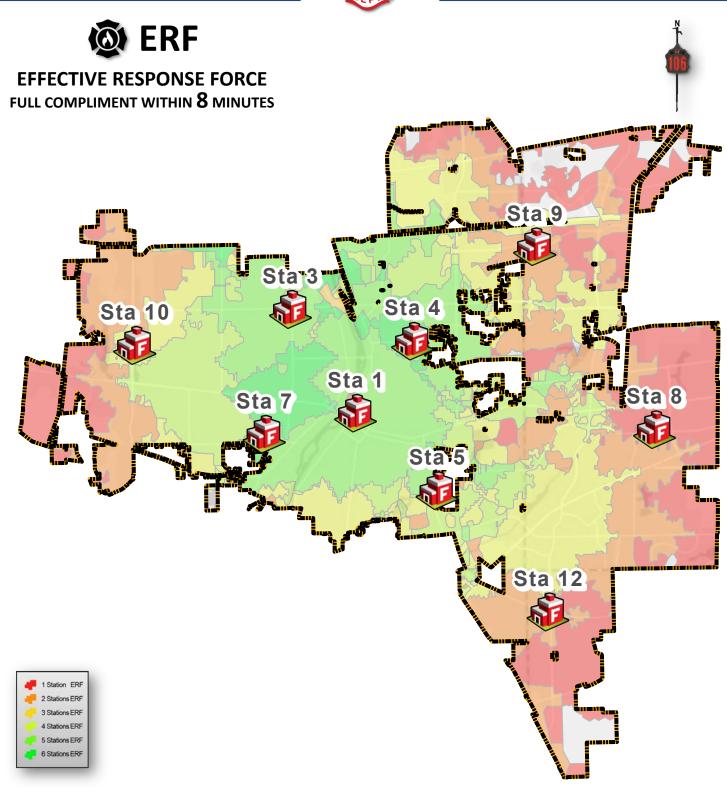
00:07:41

00:06:55

00:06:23

00:08:44





10% OF INCIDENTS ARE **17%** 

16%

**37%** 

8%

OF INCIDENTS ARE

OF INCIDENTS ARE

OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

**OF INCIDENTS ARE** 











Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.



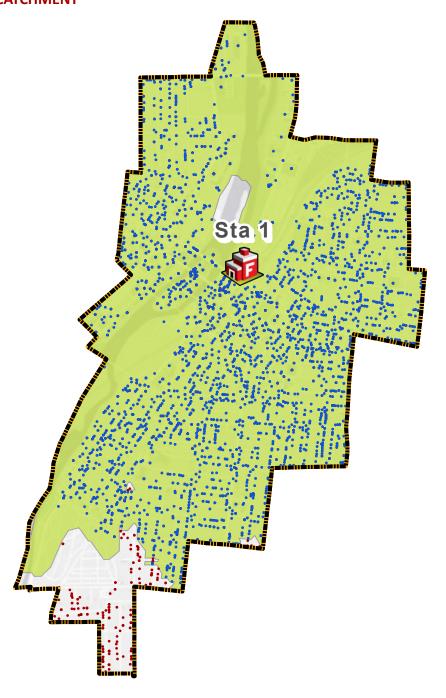






OF INCIDENTS ARE IN THE **4** MINUTE CATCHMENT





Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment
Incidents Inside Catchment
Incidents Outside Catchment

WITHIN 4 MIN CATCHMENT













## Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
All	00:07:46	00:06:37	00:05:56	00:05:28	00:05:02
Fire	00:07:26	00:06:21	00:05:28	00:05:13	00:04:59
EMS	00:07:33	00:06:30	00:05:53	00:05:25	00:04:59



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:07:46	00:06:37	00:05:56	00:05:28	00:05:02
Calculated	00:04:08	00:03:39	00:03:20	00:02:58	00:02:46



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	<b>70%</b>	60%	50%
Historic	00:07:26	00:06:21	00:05:28	00:05:13	00:04:59
Calculated	00:04:26	00:04:03	00:03:41	00:03:22	00:03:09



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:07:33	00:06:30	00:05:53	00:05:25	00:04:59
Calculated	00:04:08	00:03:42	00:03:20	00:02:58	00:02:46



## Other Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:08:30	00:06:58	00:06:13	00:05:36	00:05:10
Calculated	00:04:08	00:03:35	00:03:17	00:02:57	00:02:46





All Incidents Response Time (h:mm:ss)					
	90%	80%	70%	60%	50%
2018	00:08:00	00:06:37	00:05:52	00:05:21	00:04:58
2019	00:07:33	00:06:29	00:05:51	00:05:22	00:04:56
2020	00:07:46	00:06:41	00:06:01	00:05:33	00:05:07
2021	00:07:52	00:06:44	00:06:01	00:05:36	00:05:09
_					
Ö	Fire Incidents Response Time (h:mm:ss)				
•	90%	80%	70%	60%	50%
2018	00:06:50	00:05:42	00:05:30	00:05:14	00:05:01
2019	00:07:26	00:05:24	00:05:11	00:04:40	00:04:29
2020	00:07:19	00:06:25	00:05:42	00:05:14	00:05:00
2021	00:07:29	00:05:55	00:05:23	00:05:11	00:05:04
_					
EMS Incidents Response Time (h:mm:ss)					
-	90%	80%	70%	60%	50%
2018	00:07:31	00:06:17	00:05:40	00:05:06	00:04:43
2019	00:07:25	00:06:21	00:05:46	00:05:19	00:04:53
2020	00:07:35	00:06:36	00:05:57	00:05:31	00:05:04
2021	00:07:47	00:06:40	00:06:00	00:05:35	00:05:08
Ö	Other Incidents Response Time (h:mm:ss)				
	90%	80%	70%	60%	50%
2018	00:08:11	00:06:50	00:06:00	00:05:28	00:05:03
2019	00:08:51	00:07:17	00:06:35	00:06:01	00:05:28
2020	00:08:38	00:07:19	00:06:28	00:05:52	00:05:22



2021

00:09:05

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00:06:21

00:05:46

00:05:18

00:07:10

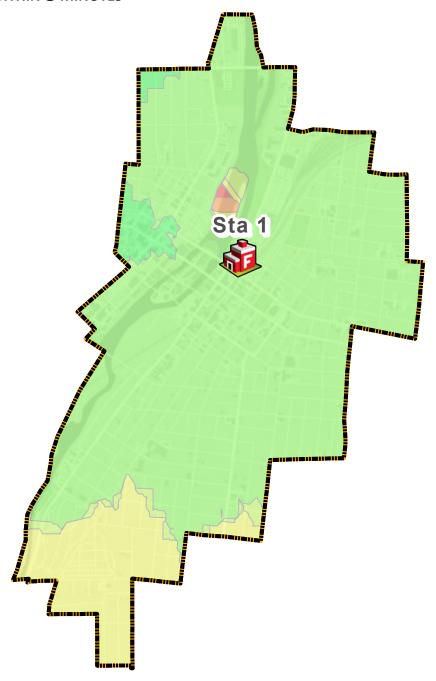




# **EFFECTIVE RESPONSE FORCE**

**FULL COMPLIMENT WITHIN 8 MINUTES** 





0%

1 Station ERF 2 Stations ERF 3 Stations ERF 4 Stations ERF 5 Stations ERF 6 Stations ERF

> 6% OF INCIDENTS ARE

1%

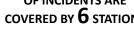
89% OF INCIDENTS ARE

3% OF INCIDENTS ARE

OF INCIDENTS ARE

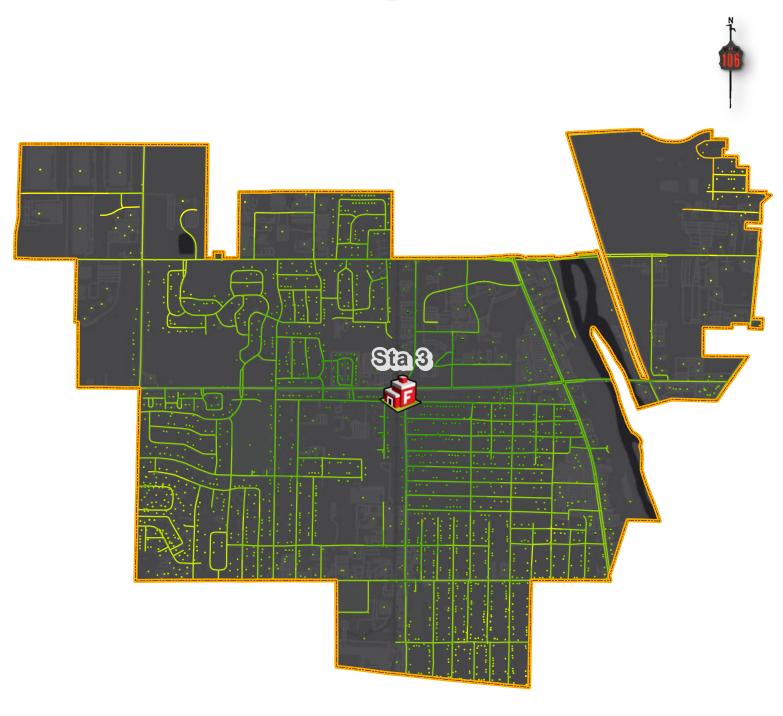
OF INCIDENTS ARE

COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS











Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.













Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment
Incidents Inside Catchment
Incidents Outside Catchment

WITHIN 4 MIN CATCHMENT



**68%** 



68%



FIRE INCIDENTS









WITHIN COMPLETE AOR



# Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
All	00:07:59	00:06:46	00:06:03	00:05:33	00:05:06
Fire	00:06:57	00:05:54	00:05:28	00:04:54	00:04:44
EMS	00:07:39	00:06:34	00:05:55	00:05:26	00:05:01



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:07:59	00:06:46	00:06:03	00:05:33	00:05:06
Calculated	00:04:15	00:03:51	00:03:40	00:03:23	00:03:08



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:06:57	00:05:54	00:05:28	00:04:54	00:04:44
Calculated	00:04:52	00:04:35	00:04:06	00:03:48	00:03:31



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70</b> %	60%	50%
Historic	00:07:39	00:06:34	00:05:55	00:05:26	00:05:01
Calculated	00:04:14	00:03:51	00:03:38	00:03:22	00:03:06



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:09:02	00:07:20	00:06:31	00:05:54	00:05:25
Calculated	00:04:19	00:03:51	00:03:41	00:03:25	00:03:12



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Ö	All	Incidents Respo	nse Time (h:mr	m:ss)				
	90%	80%	70%	60%	50%			
2018	00:07:49	00:06:37	00:05:55	00:05:24	00:04:58			
2019	00:08:00	00:06:43	00:06:00	00:05:29	00:05:03			
2020	00:08:05	00:06:49	00:06:09	00:05:41	00:05:13			
2021	00:07:56	00:06:51	00:06:10	00:05:39	00:05:08			
O	Fire	Incidents Respo	onse Time (h:m	m:ss)				
•	90%	80%	70%	60%	50%			
2018	00:06:14	00:04:47	00:04:44	00:04:40	00:03:57			
2019	00:07:01	00:05:36	00:05:29	00:04:53	00:04:47			
2020	00:06:44	00:05:52	00:05:21	00:04:55	00:04:31			
2021	00:07:46	00:06:09	00:05:39	00:05:04	00:04:58			
Ö	EMS	Incidents Resp	onse Time (h:m	ım:ss)				
-	90%	80%	70%	60%	50%			
2018	00:07:00	00:06:01	00:05:27	00:05:00	00:04:35			
2019	00:07:39	00:06:30	00:05:50	00:05:22	00:04:59			
2020	00:07:44	00:06:40	00:06:04	00:05:38	00:05:11			
2021	00:07:42	00:06:44	00:05:58	00:05:28	00:05:03			
	Other Incidents Response Time (h:mm:ss)							
	90%	80%	70%	60%	50%			
2018	00:08:27	00:07:00	00:06:07	00:05:36	00:05:11			
2019	00:09:39	00:88:00	00:06:52	00:06:05	00:05:43			
2020	00:09:51	00:08:36	00:07:05	00:06:14	00:05:44			



2021

00:09:36

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00:07:08

00:06:40

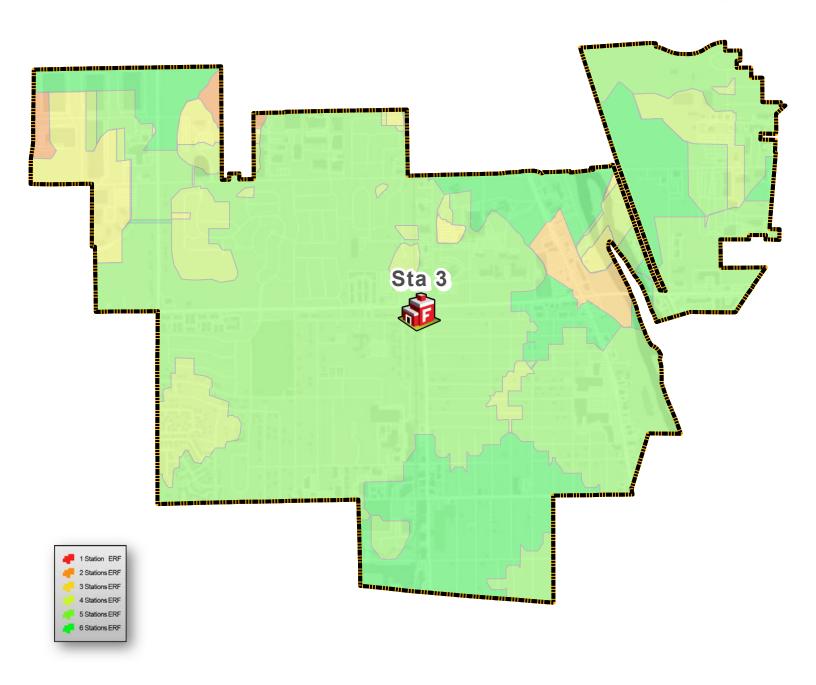
00:06:13

00:08:13









0% OF INCIDENTS ARE

2% OF INCIDENTS ARE

6% OF INCIDENTS ARE

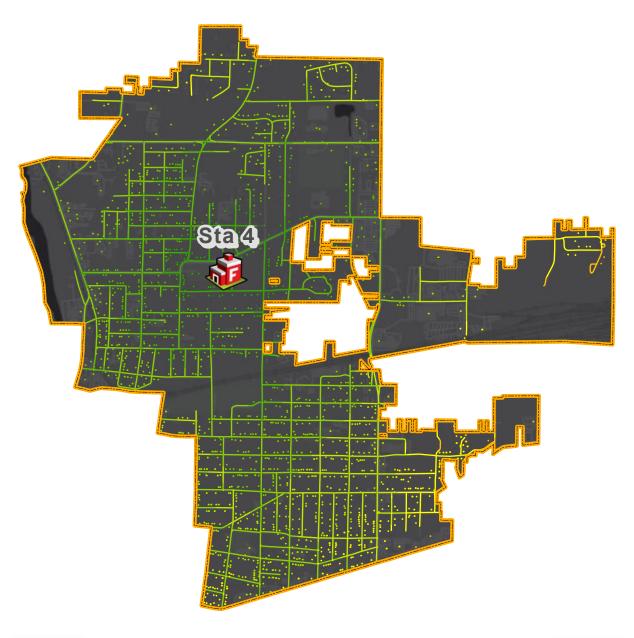
63% OF INCIDENTS ARE

26% OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS









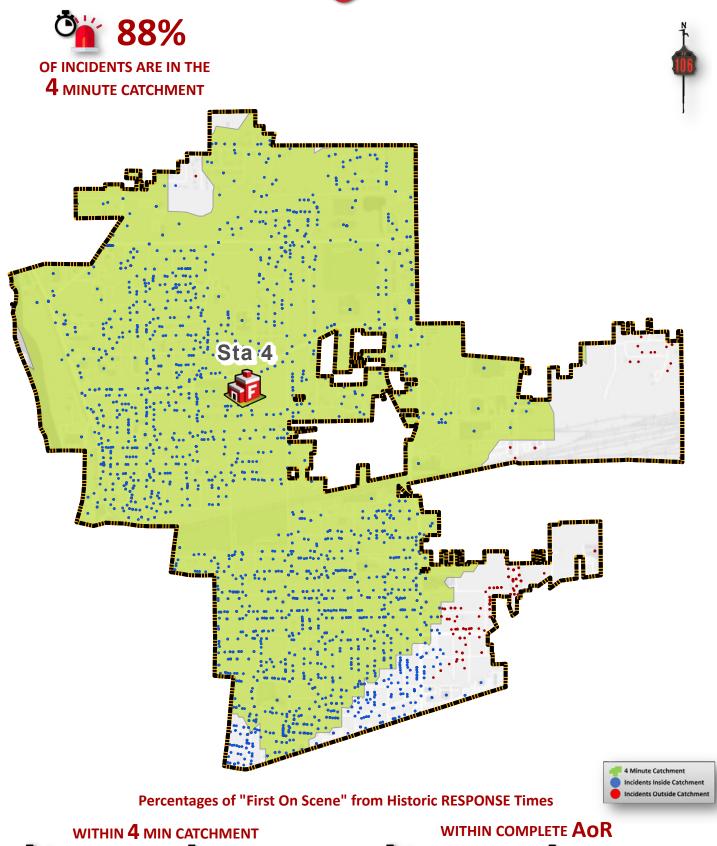


Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.









**41%** 

**52**%

**37**%











# Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
All	00:08:16	00:07:09	00:06:29	00:05:58	00:05:33
Fire	00:07:50	00:06:37	00:05:52	00:05:31	00:05:18
EMS	00:08:02	00:07:00	00:06:22	00:05:52	00:05:28



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:08:16	00:07:09	00:06:29	00:05:58	00:05:33
Calculated	00:05:09	00:04:39	00:04:13	00:03:47	00:03:29



### Fire Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:07:50	00:06:37	00:05:52	00:05:31	00:05:18
Calculated	00:05:24	00:04:55	00:04:37	00:04:13	00:03:55



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:08:02	00:07:00	00:06:22	00:05:52	00:05:28
Calculated	00:05:09	00:04:39	00:04:12	00:03:45	00:03:29



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:09:18	00:07:42	00:06:54	00:06:17	00:05:49
Calculated	00:05:08	00:04:37	00:04:13	00:03:49	00:03:27



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Ö	All	Incidents Respo	onse Time (h:mr	n:ss)	
-	90%	80%	70%	60%	50%
2018	00:08:04	00:07:00	00:06:16	00:05:48	00:05:25
2019	00:08:18	00:07:08	00:06:30	00:05:54	00:05:28
2020	00:08:13	00:07:11	00:06:34	00:06:03	00:05:37
2021	00:08:36	00:07:20	00:06:36	00:06:10	00:05:44
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)	
_	90%	80%	70%	60%	50%
2018	00:08:22	00:07:30	00:07:13	00:05:48	00:05:00
2019	00:05:51	00:05:31	00:05:27	00:05:20	00:04:53
2020	00:07:32	00:06:11	00:05:51	00:05:36	00:05:16
2021	00:07:22	00:06:54	00:06:23	00:05:34	00:05:18
Ö	EMS	Incidents Resp	onse Time (h:m	ım:ss)	
	90%	80%	70%	60%	50%
2018	00:07:12	00:06:12	00:05:36	00:05:08	00:04:50
2019	00:07:56	00:06:59	00:06:21	00:05:50	00:05:25
2020	00:08:07	00:07:04	00:06:28	00:05:59	00:05:34
2021	00:08:17	00:07:08	00:06:29	00:06:05	00:05:39
ÖA			<i>(</i> )		
		r Incidents Resp	•	•	
2010	90%	80%	70%	60%	50%
2018	00:08:22	00:07:14	00:06:34	00:06:01	00:05:40
2019	00:10:50	00:09:31	00:07:36	00:06:57	00:06:20
2020	00:09:08	00:07:49	00:07:18	00:06:36	00:06:07



2021

00:10:27

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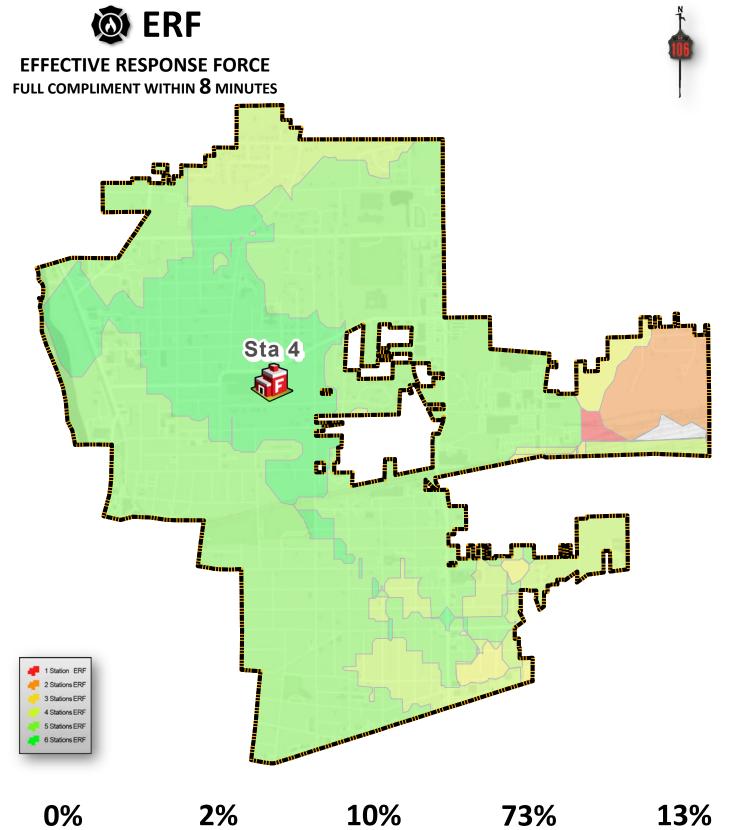
00:07:51

00:07:01

00:06:23

00:08:47





OF INCIDENTS ARE

OF INCIDENTS ARE

COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

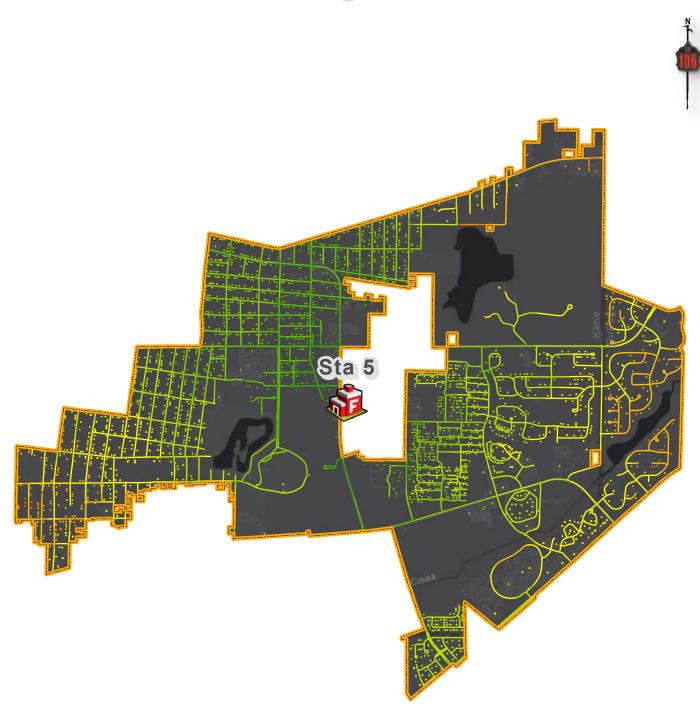
OF INCIDENTS ARE

OF INCIDENTS ARE

OF INCIDENTS ARE







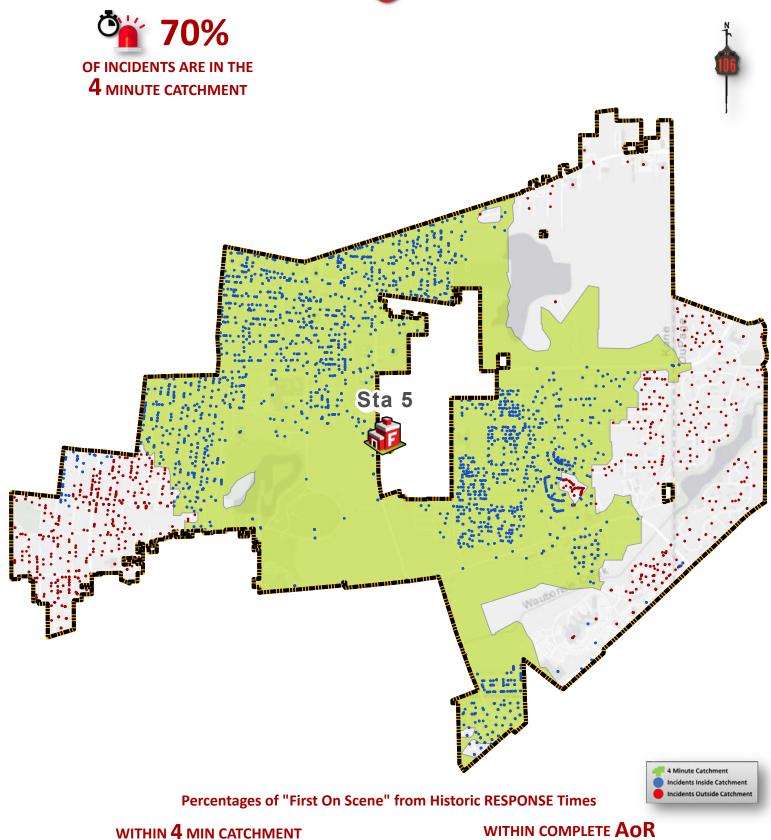


Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.









**FIRE INCIDENTS** 











114



# Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
All	00:09:05	00:07:51	00:07:09	00:06:38	00:06:11
Fire	00:07:57	00:07:18	00:06:40	00:06:14	00:05:42
EMS	00:08:36	00:07:37	00:07:00	00:06:31	00:06:06



## All Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:09:05	00:07:51	00:07:09	00:06:38	00:06:11
Calculated	00:05:57	00:05:19	00:04:50	00:04:38	00:04:16



### Fire Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:07:57	00:07:18	00:06:40	00:06:14	00:05:42
Calculated	00:06:31	00:06:13	00:05:18	00:04:59	00:04:47



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:08:36	00:07:37	00:07:00	00:06:31	00:06:06
Calculated	00:05:56	00:05:19	00:05:00	00:04:39	00:04:18



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:10:46	00:08:44	00:07:39	00:07:01	00:06:29
Calculated	00:05:57	00:05:25	00:04:58	00:04:36	00:04:06



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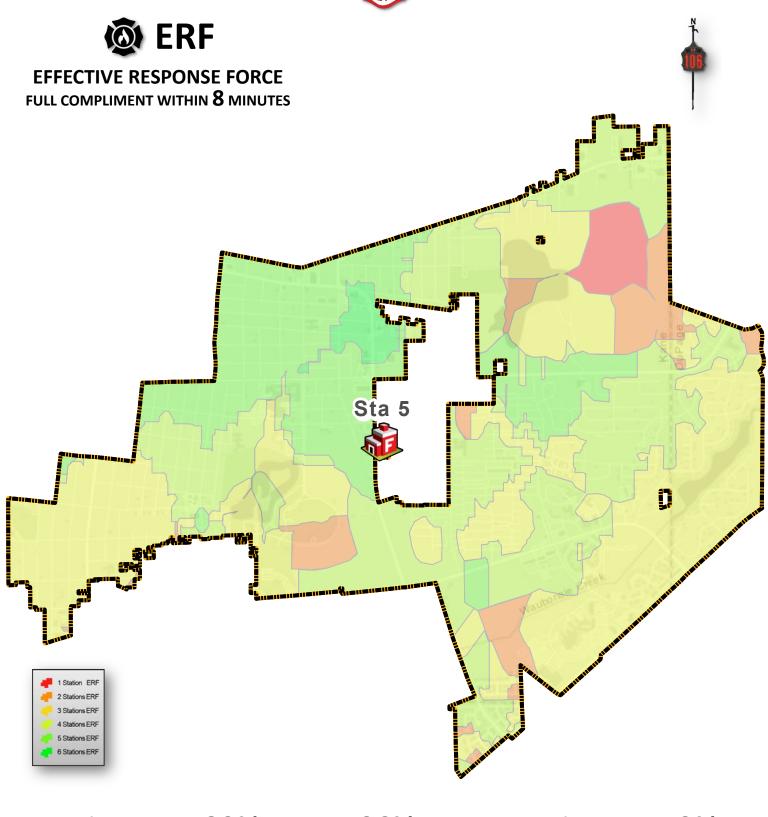


Ö	All	Incidents Respo	onse Time (h:mr	m:ss)	
	90%	80%	70%	60%	50%
2018	00:09:21	00:07:48	00:07:05	00:06:36	00:06:05
2019	00:08:57	00:07:47	00:07:04	00:06:33	00:06:09
2020	00:09:07	00:07:54	00:07:17	00:06:45	00:06:19
2021	00:09:05	00:07:53	00:07:09	00:06:38	00:06:09
Ö4	Fire	Incidents Respo	onse Time (h:m	m:ss)	
	90%	80%	70%	60%	50%
2018	00:07:48	00:07:04	00:06:51	00:06:14	00:05:41
2019	00:07:51	00:07:17	00:05:42	00:05:21	00:05:13
2020	00:07:54	00:07:03	00:06:27	00:06:18	00:05:52
2021	00:08:05	00:07:33	00:06:41	00:06:17	00:05:47
Ö	ENAS	Incidents Resp	onso Timo (h:m	ımısıl	
	90%	80%	70%	60%	50%
2018	00:08:38	00:07:24	00:06:52	00:06:15	00:05:52
2019	00:08:31	00:07:32	00:06:55	00:06:28	00:06:05
2020	00:08:41	00:07:44	00:07:07	00:06:38	00:06:14
2021	00:08:40	00:07:41	00:07:01	00:06:32	00:06:06
.=.					
	Othe	r Incidents Resp	oonse Time (h:n	nm:ss)	
_	90%	80%	70%	60%	50%
2018	00:09:37	00:08:02	00:07:13	00:06:45	00:06:12
2019	00:11:58	00:09:56	00:08:27	00:07:29	00:06:47
2020	00:12:14	00:09:51	00:08:31	00:07:43	00:07:08
2021	00:12:33	00:09:59	00:08:44	00:07:51	00:07:00



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2% OF INCIDENTS ARE 39%

26% OF INCIDENTS ARE

30% OF INCIDENTS ARE

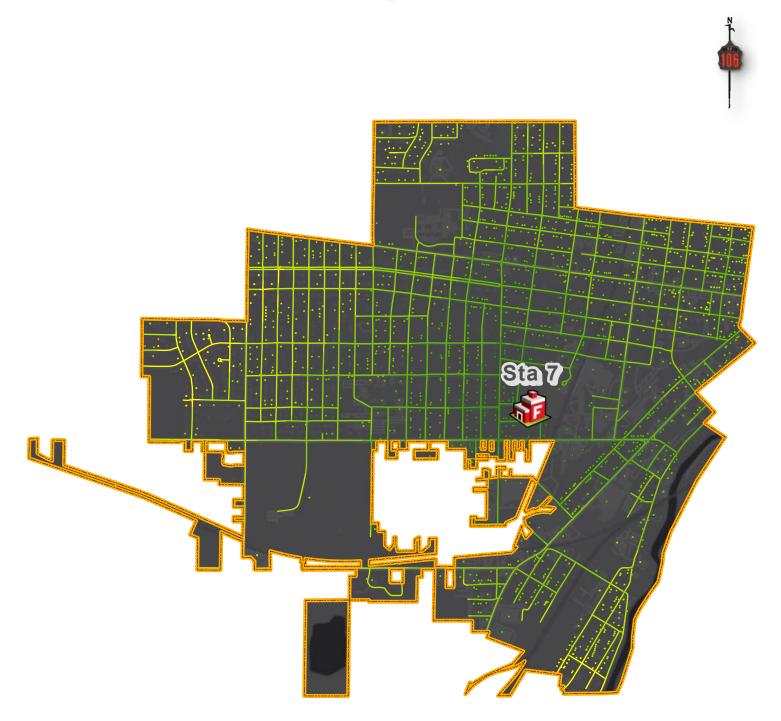
2% OF INCIDENTS ARE

COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

OF INCIDENTS ARE









Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.

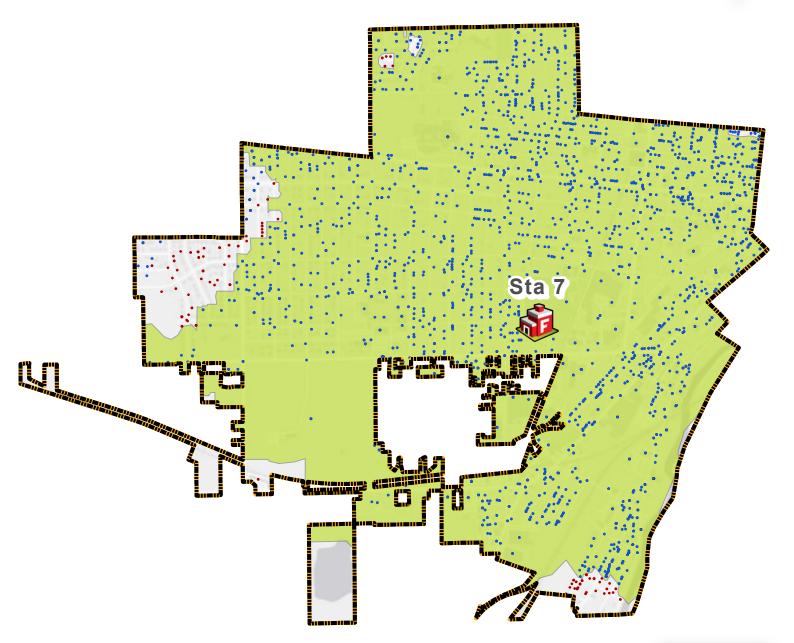












Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment
Incidents Inside Catchment
Incidents Outside Catchment

WITHIN 4 MIN CATCHMENT

**55%** 

**37%** 

**55**%









WITHIN COMPLETE AOR

**EMS INCIDENTS** 





# Response Time (h:mm:ss)

	90%	80%	70%	<b>60%</b>	50%
All	00:08:05	00:07:01	00:06:23	00:05:56	00:05:34
Fire	00:07:52	00:06:26	00:06:07	00:05:26	00:05:11
EMS	00:07:45	00:06:52	00:06:16	00:05:50	00:05:30



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:08:05	00:07:01	00:06:23	00:05:56	00:05:34
Calculated	00:04:44	00:04:17	00:04:13	00:04:07	00:03:57



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:07:52	00:06:26	00:06:07	00:05:26	00:05:11
Calculated	00:05:00	00:04:39	00:04:31	00:04:22	00:04:04



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:07:45	00:06:52	00:06:16	00:05:50	00:05:30
Calculated	00:04:45	00:04:18	00:04:13	00:04:07	00:04:02



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:08:52	00:07:31	00:06:44	00:06:15	00:05:48
Calculated	00:04:38	00:04:13	00:04:13	00:04:04	00:03:52



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Ö	All	Incidents Respo	onse Time (h:mr	m:ss)			
	90%	80%	70%	60%	50%		
2018	00:08:00	00:06:56	00:06:19	00:05:57	00:05:31		
2019	00:07:52	00:06:53	00:06:16	00:05:50	00:05:28		
2020	00:08:14	00:07:04	00:06:26	00:05:59	00:05:35		
2021	00:08:11	00:07:09	00:06:32	00:06:01	00:05:43		
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)			
_	90%	80%	70%	60%	50%		
2018	00:06:28	00:06:23	00:06:19	00:06:00	00:05:52		
2019	00:07:50	00:07:14	00:05:53	00:05:24	00:05:17		
2020	00:09:13	00:06:27	00:06:07	00:04:55	00:04:38		
2021	00:06:50	00:05:39	00:05:32	00:05:16	00:04:59		
Ö	EMS	Incidents Resp	onse Time (h:m	ım:ss)			
-	90%	80%	70%	60%	50%		
2018	00:07:00	00:06:04	00:05:55	00:05:20	00:05:00		
2019	00:07:40	00:06:48	00:06:13	00:05:49	00:05:26		
2020	00:07:49	00:06:58	00:06:20	00:05:55	00:05:33		
2021	00:07:54	00:07:01	00:06:25	00:05:58	00:05:40		
Other Incidents Response Time (h:mm:ss)							
	90%	80%	70%	60%	50%		
2018	00:08:25	00:07:18	00:06:35	00:06:07	00:05:46		
2019	00:08:55	00:07:36	00:06:34	00:06:03	00:05:38		
2020	00:09:10	00:08:22	00:07:05	00:06:37	00:05:56		



2021

00:10:16

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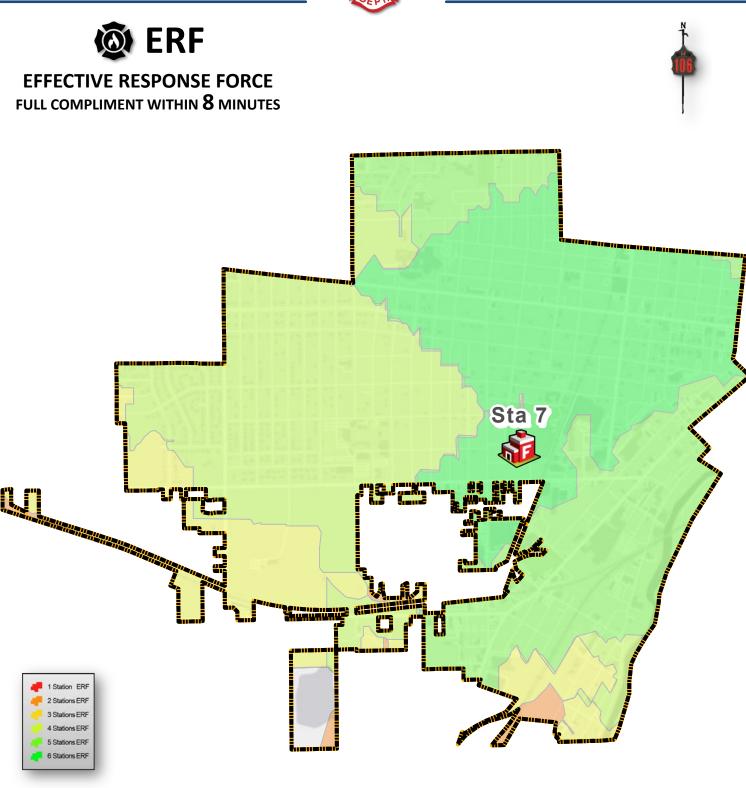
00:07:30

00:06:43

00:06:19

00:08:43





0% OF INCIDENTS ARE 4%

21%

38%

34%

OF INCIDENTS ARE OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

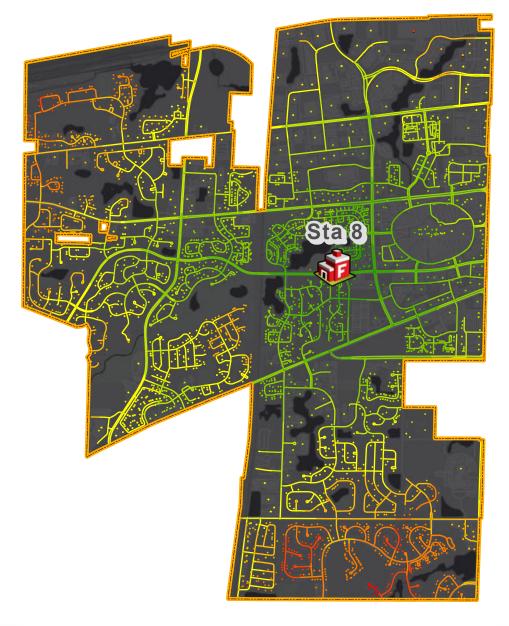
OF INCIDENTS ARE

OF INCIDENTS ARE











Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.



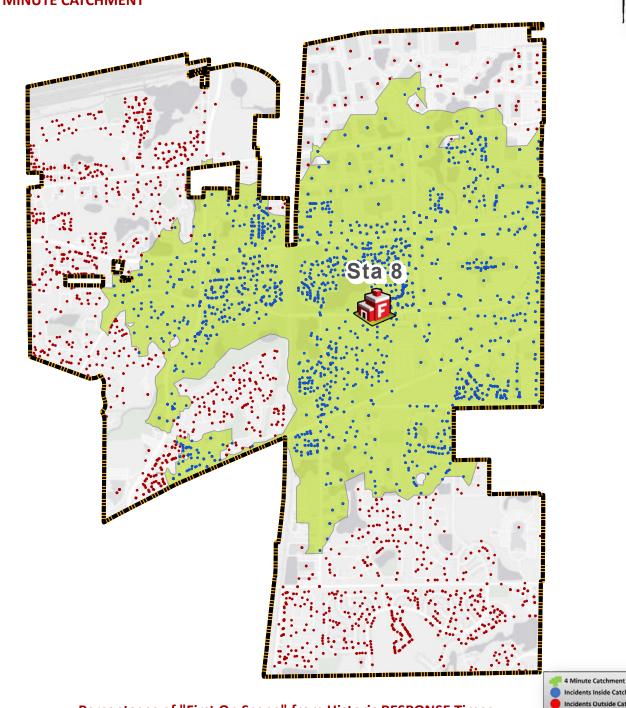






# **OF INCIDENTS ARE IN THE 4** MINUTE CATCHMENT





Percentages of "First On Scene" from Historic RESPONSE Times

WITHIN 4 MIN CATCHMENT

**FIRE INCIDENTS** 

44% **EMS INCIDENTS** 

WITHIN COMPLETE AOR









# Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
All	00:09:14	00:07:56	00:07:11	00:06:39	00:06:08
Fire	00:09:09	00:08:03	00:07:13	00:06:50	00:06:15
EMS	00:08:42	00:07:33	00:06:53	00:06:21	00:05:52



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:09:14	00:07:56	00:07:11	00:06:39	00:06:08
Calculated	00:07:05	00:06:12	00:05:37	00:05:02	00:04:32



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	<b>70%</b>	60%	50%
Historic	00:09:09	00:08:03	00:07:13	00:06:50	00:06:15
Calculated	00:06:53	00:06:16	00:05:49	00:05:16	00:04:52



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70%</b>	60%	50%
Historic	00:08:42	00:07:33	00:06:53	00:06:21	00:05:52
Calculated	00:06:44	00:05:59	00:05:29	00:04:52	00:04:15



## Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:10:05	00:08:36	00:07:49	00:07:08	00:06:36
Calculated	00:07:30	00:06:25	00:05:51	00:05:19	00:04:46



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Ö	All	Incidents Respo	onse Time (h:mr	n:ss)	
	90%	80%	70%	60%	50%
2018	00:09:15	00:08:00	00:07:10	00:06:41	00:06:04
2019	00:09:09	00:07:52	00:07:03	00:06:31	00:06:02
2020	00:09:11	00:07:57	00:07:11	00:06:41	00:06:10
2021	00:09:16	00:08:01	00:07:22	00:06:47	00:06:11
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)	
_	90%	80%	70%	60%	50%
2018	00:08:19	00:07:29	00:07:04	00:06:50	00:06:09
2019	00:07:51	00:07:22	00:06:41	00:06:27	00:06:00
2020	00:08:57	00:08:03	00:07:11	00:07:01	00:06:03
2021	00:11:02	00:08:12	00:07:45	00:06:55	00:06:15
Ö	EMS	Incidents Resp	onse Time (h:m	ım:ss)	
	90%	80%	70%	60%	50%
2018	00:08:18	00:07:20	00:06:49	00:06:08	00:05:38
2019	00:08:42	00:07:25	00:06:45	00:06:14	00:05:48
2020	00:08:31	00:07:29	00:06:50	00:06:19	00:05:53
2021	00:08:57	00:07:49	00:07:12	00:06:36	00:06:02
Ö	Otho	u lu cidoute Decu	aanaa Timaa (laur		
A		r Incidents Resp	•	•	F09/
2018	<b>90%</b> 00:09:47	<b>80%</b> 00:08:08	<b>70%</b> 00:07:26	<b>60%</b> 00:06:54	<b>50%</b> 00:06:22
2019	00:10:22	00:08:55	00:08:04	00:07:23	00:06:43
2020	00:10:17	00:09:11	00:08:22	00:07:46	00:07:10



2021

00:09:46

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00:07:50

00:07:12

00:06:42

00:08:41

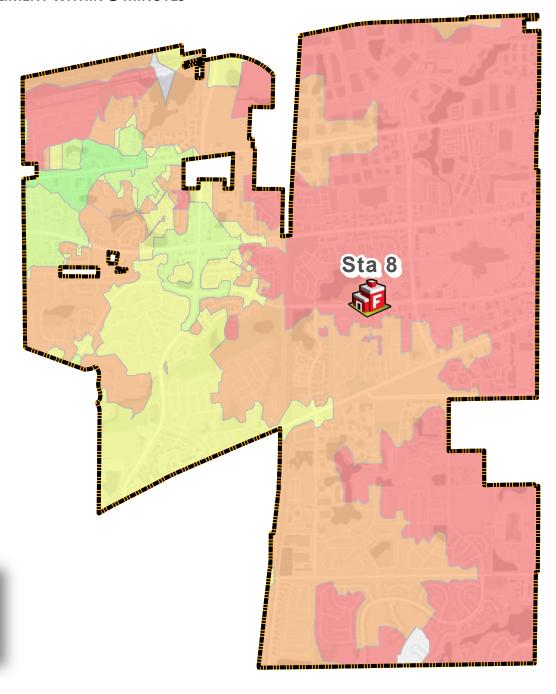




# **EFFECTIVE RESPONSE FORCE**

**FULL COMPLIMENT WITHIN 8 MINUTES** 





28% OF INCIDENTS ARE

2 Stations ERF 3 Stations ERF 4 Stations ERF 5 Stations ERF 6 Stations ERF

**13%** 

6% OF INCIDENTS ARE 1%

0% OF INCIDENTS ARE

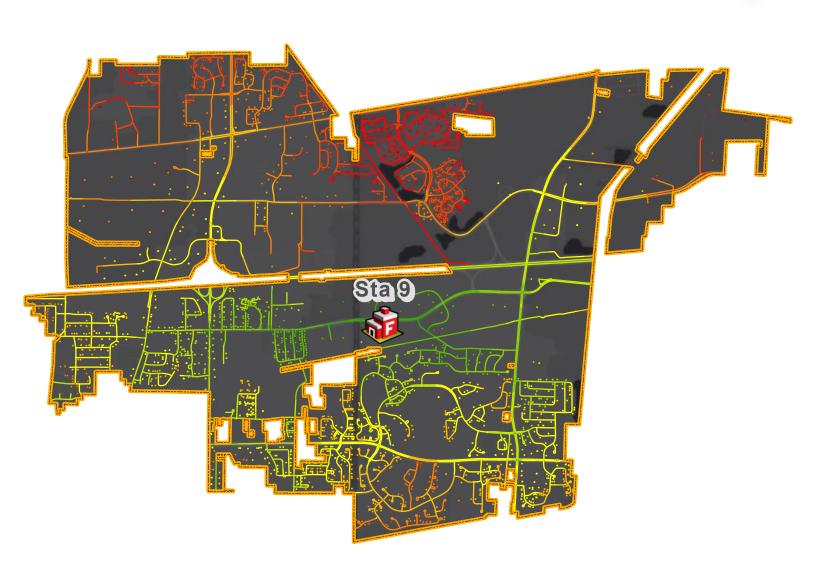
OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

OF INCIDENTS ARE









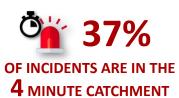


Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.

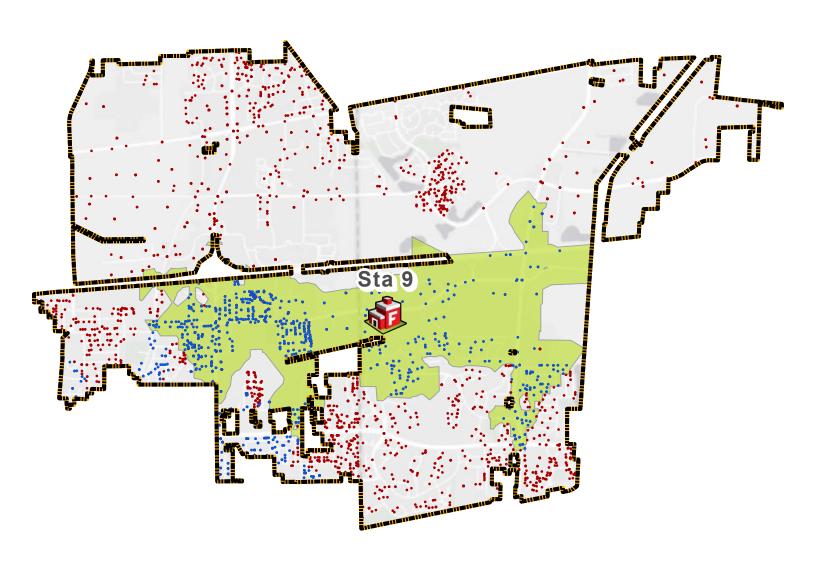












Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment
Incidents Inside Catchment
Incidents Outside Catchment

129

WITHIN 4 MIN CATCHMENT

**44%** 

30%

**3** 29%

18%

FIRE INCIDENTS





WITHIN COMPLETE AOR



# Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
All	00:09:54	00:08:40	00:07:54	00:07:19	00:06:47
Fire	00:09:57	00:08:31	00:07:35	00:06:54	00:06:33
EMS	00:09:25	00:08:21	00:07:38	00:07:07	00:06:40



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:09:54	00:08:40	00:07:54	00:07:19	00:06:47
Calculated	00:08:16	00:07:12	00:06:29	00:05:56	00:05:30



### Fire Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:09:57	00:08:31	00:07:35	00:06:54	00:06:33
Calculated	00:08:04	00:07:26	00:07:00	00:06:18	00:05:57



# **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:09:25	00:08:21	00:07:38	00:07:07	00:06:40
Calculated	00:08:20	00:07:08	00:06:24	00:05:54	00:05:28



# Other Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:11:40	00:10:00	00:08:59	00:08:16	00:07:32
Calculated	00:08:12	00:07:21	00:06:45	00:06:04	00:05:39



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Ö	All	Incidents Respo	nse Time (h:mr	n:ss)	
	90%	80%	70%	60%	50%
2018	00:10:00	00:08:50	00:08:00	00:07:19	00:06:48
2019	00:09:49	00:08:37	00:07:47	00:07:11	00:06:41
2020	00:09:33	00:08:29	00:07:45	00:07:13	00:06:44
2021	00:10:05	00:08:53	00:08:08	00:07:35	00:07:03
_					
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)	
•	90%	80%	70%	60%	50%
2018	00:10:01	00:08:52	00:07:55	00:07:16	00:06:49
2019	00:08:31	00:08:19	00:07:27	00:07:08	00:06:19
2020	00:10:09	00:08:22	00:07:37	00:06:50	00:06:26
2021	00:09:57	00:07:20	00:06:46	00:05:47	00:05:26
_					
Ŏ	EMS	Incidents Resp	onse Time (h:m	m:ss)	
	90%	80%	70%	60%	50%
2018	00:09:28	00:08:19	00:07:37	00:07:00	00:06:35
2019	00:09:25	00:08:23	00:07:34	00:07:00	00:06:34
2020	00:09:17	00:08:10	00:07:32	00:07:03	00:06:34
2021	00:09:43	00:08:31	00:07:54	00:07:23	00:06:58
Ö	Othe	r Incidents Resp	oonse Time (h:n	nm:ss)	
	90%	80%	70%	60%	50%
2018	00:11:43	00:09:48	00:08:55	00:08:05	00:07:25
2019	00:11:15	00:10:03	00:08:54	00:07:58	00:07:20
2020	00:11:20	00:09:44	00:08:49	00:08:12	00:07:28



2021

00:11:50

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00:09:20

00:08:34

00:08:03

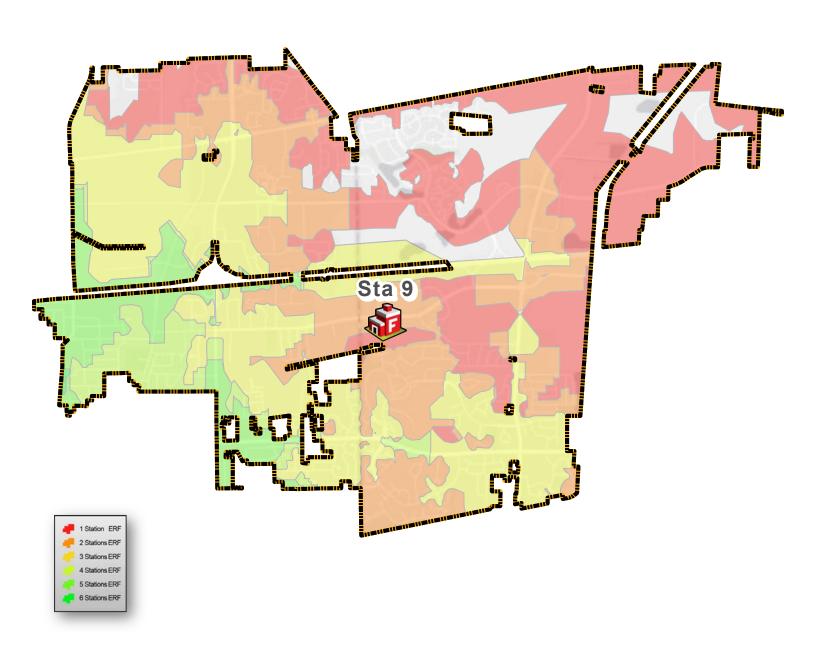
00:10:26





# **EFFECTIVE RESPONSE FORCE FULL COMPLIMENT WITHIN 8 MINUTES**





20%

34%

11%

14%

0%

OF INCIDENTS ARE

OF INCIDENTS ARE

OF INCIDENTS ARE

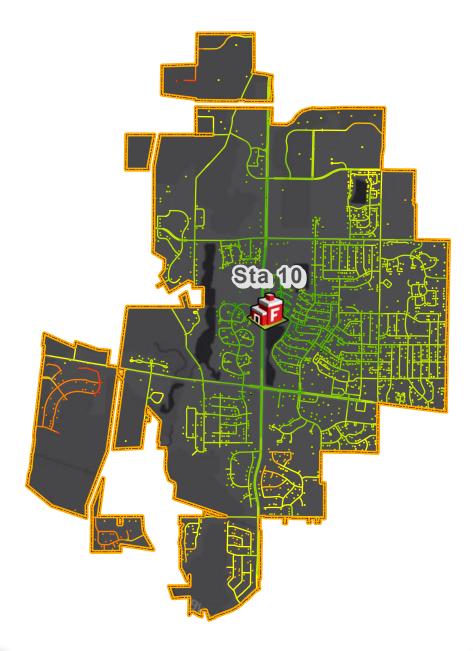
OF INCIDENTS ARE

OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS











Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.



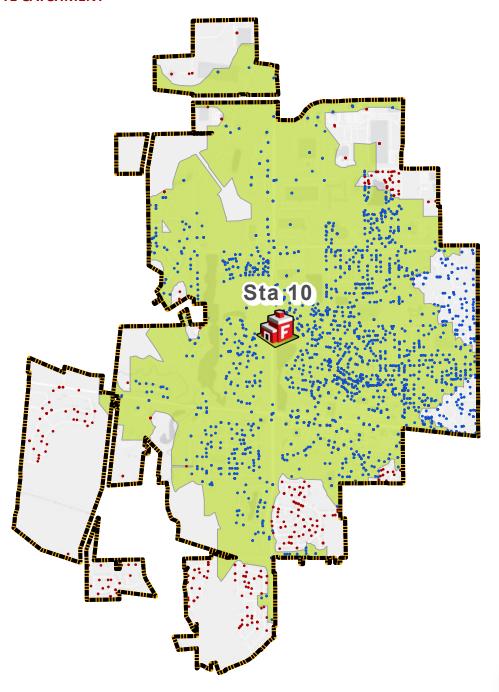






OF INCIDENTS ARE IN THE **4** MINUTE CATCHMENT





Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment
Incidents Inside Catchment
Incidents Outside Catchment

WITHIN 4 MIN CATCHMENT

**60%** 













WITHIN COMPLETE AOR

**EMS INCIDENTS** 





# Response Time (h:mm:ss)

	90%	80%	70%	<b>60%</b>	50%
All	00:07:50	00:06:47	00:06:14	00:05:47	00:05:23
Fire	00:06:30	00:06:01	00:05:49	00:05:22	00:04:57
EMS	00:07:41	00:06:40	00:06:08	00:05:42	00:05:19



## All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
Historic	00:07:50	00:06:47	00:06:14	00:05:47	00:05:23
Calculated	00:05:07	00:04:54	00:04:31	00:04:28	00:04:10



## Fire Incidents Response Time (h:mm:ss)

	90%	80%	<b>70%</b>	60%	50%
Historic	00:06:30	00:06:01	00:05:49	00:05:22	00:04:57
Calculated	00:05:05	00:04:54	00:04:34	00:04:29	00:04:14



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	70%	60%	50%
Historic	00:07:41	00:06:40	00:06:08	00:05:42	00:05:19
Calculated	00:05:06	00:04:55	00:04:31	00:04:28	00:04:11



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:08:14	00:07:06	00:06:30	00:06:01	00:05:36
Calculated	00:05:07	00:04:48	00:04:31	00:04:28	00:04:09



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Ö	All	Incidents Respo	onse Time (h:mr	m:ss)				
	90%	80%	70%	60%	50%			
2018	00:08:00	00:06:58	00:06:21	00:05:54	00:05:27			
2019	00:07:46	00:06:41	00:06:06	00:05:39	00:05:17			
2020	00:07:42	00:06:41	00:06:11	00:05:46	00:05:23			
2021	00:07:54	00:06:49	00:06:17	00:05:51	00:05:26			
Ö	Fire Incidents Response Time (h:mm:ss)							
•	90%	80%	70%	60%	50%			
2018	00:06:30	00:06:04	00:05:55	00:05:25	00:05:22			
2019	00:06:21	00:06:02	00:05:56	00:05:41	00:04:34			
2020	00:05:49	00:05:49	00:05:38	00:05:11	00:04:48			
2021	00:08:15	00:06:03	00:05:27	00:04:59	00:04:48			
O k	EMS	Incidents Resp	onse Time (h:m	m:ss)				
	90%	80%	70%	60%	50%			
2018	00:07:18	00:06:31	00:05:59	00:05:30	00:05:00			
2019	00:07:35	00:06:36	00:06:02	00:05:34	00:05:12			
2020	00:07:42	00:06:41	00:06:11	00:05:45	00:05:23			
2021	00:07:52	00:06:48	00:06:17	00:05:51	00:05:26			
<b>O</b>	Other Incidents Response Time (h:mm:ss)							
	90%	80%	70%	60%	50%			
2018	00:08:13	00:07:08	00:06:31	00:06:00	00:05:36			
2019	00:08:40	00:07:23	00:06:40	00:06:09	00:05:48			
2020	00:07:45	00:06:50	00:06:12	00:05:50	00:05:25			



2021

00:08:09

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00:06:25

00:05:54

00:05:28

00:06:54

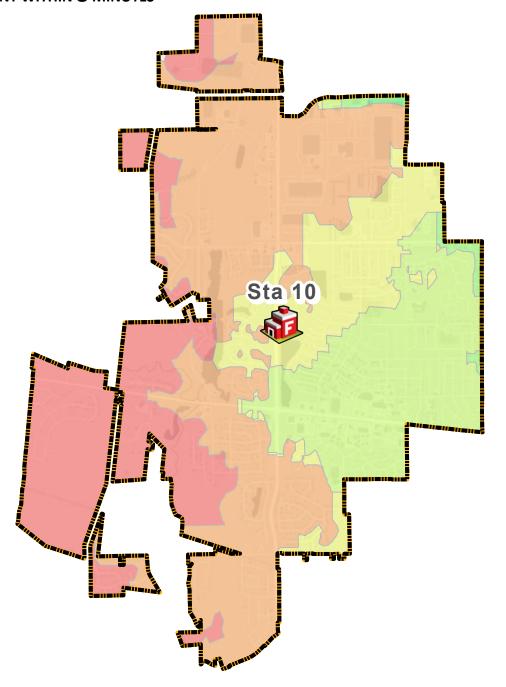




# **EFFECTIVE RESPONSE FORCE**

**FULL COMPLIMENT WITHIN 8 MINUTES** 





19%

19%

56% OF INCIDENTS ARE

OF INCIDENTS ARE

0%

0% OF INCIDENTS ARE

OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

2 Stations ERF 3 Stations ERF 4 Stations ERF 5 Stations ERF 6 Stations ERF

OF INCIDENTS ARE











Incidents and streets are displayed in one-minute increments based on travel time from the closest fire station.



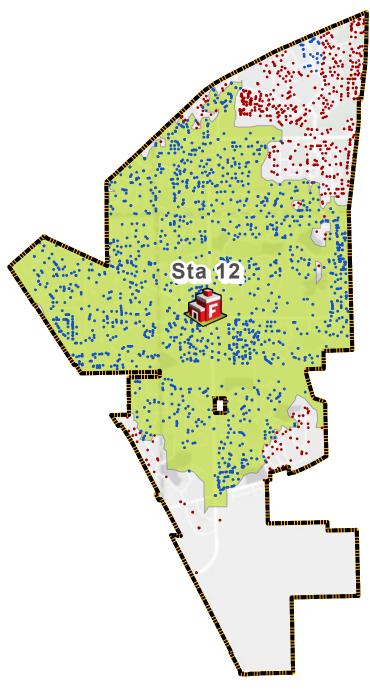






**OF INCIDENTS ARE IN THE 4** MINUTE CATCHMENT





Percentages of "First On Scene" from Historic RESPONSE Times

4 Minute Catchment

WITHIN 4 MIN CATCHMENT

**FIRE INCIDENTS** 













# Response Time (h:mm:ss)

	90%	80%	<b>70</b> %	60%	50%
All	00:09:10	00:07:56	00:07:10	00:06:37	00:06:11
Fire	00:09:44	00:07:32	00:06:30	00:06:15	00:05:52
EMS	00:08:41	00:07:42	00:07:00	00:06:31	00:06:06



### All Incidents Response Time (h:mm:ss)

	90%	80%	<b>70%</b>	60%	50%
Historic	00:09:10	00:07:56	00:07:10	00:06:37	00:06:11
Calculated	00:06:22	00:05:43	00:05:08	00:04:48	00:04:31



#### Fire Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:09:44	00:07:32	00:06:30	00:06:15	00:05:52
Calculated	00:06:25	00:05:58	00:05:39	00:05:22	00:05:12



### **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70%</b>	60%	50%
Historic	00:08:41	00:07:42	00:07:00	00:06:31	00:06:06
Calculated	00:06:21	00:05:40	00:05:06	00:04:48	00:04:30



# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Historic	00:10:59	00:08:57	00:07:52	00:07:10	00:06:32
Calculated	00:06:24	00:05:46	00:05:09	00:04:47	00:04:31





	All	Incidents Respo	onse Time (h:mr	m:ss)	
	90%	80%	70%	60%	50%
2018	00:09:03	00:07:56	00:07:03	00:06:36	00:06:05
2019	00:09:10	00:08:01	00:07:14	00:06:40	00:06:13
2020	00:08:57	00:07:55	00:07:08	00:06:38	00:06:12
2021	00:09:12	00:07:47	00:07:06	00:06:31	00:06:05
Ö	Fire	Incidents Respo	onse Time (h:m	m:ss)	
	90%	80%	70%	60%	50%
2018	00:09:00	00:08:00	00:07:00	00:06:17	00:05:57
2019	00:07:27	00:06:30	00:06:13	00:05:39	00:05:03
2020	00:10:04	00:07:57	00:06:33	00:06:15	00:05:54
2021	00:08:05	00:07:20	00:06:58	00:06:25	00:05:52
Ö	ENAC	Incidente Desc	awaa Tiraa (bura		
		Incidents Resp	•	•	<b>50</b> 0/
2018	<b>90%</b> 00:08:19	<b>80%</b> 00:07:28	<b>70%</b> 00:06:51	<b>60%</b> 00:06:17	<b>50%</b> 00:06:00
2019	00:08:44	00:07:50	00:07:05	00:06:33	00:06:11
2019	00:08:38	00:07:41	00:07:00	00:06:31	00:06:09
2020	00:08:55	00:07:41	00:07:04	00:06:31	00:06:05
2021	00.00.55	00.07.43	00.07.04	00.00.31	00.00.03
ÖA			<i>(</i> 1		
11		r Incidents Resp	•	•	
2046	90%	80%	70%	60%	50%
2018	00:11:02	00:09:14	00:08:02	00:07:20	00:06:46
2019	00:11:20	00:09:12	00:07:59	00:07:11	00:06:28
2020	00:10:18	00:08:32	00:07:39	00:07:06	00:06:29



2021

00:10:18

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00:07:20

00:06:35

00:06:08

00:08:25

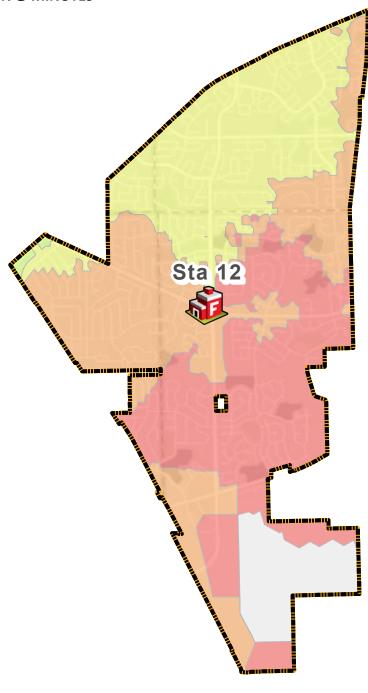




# **EFFECTIVE RESPONSE FORCE**

**FULL COMPLIMENT WITHIN 8 MINUTES** 





2 Stations ERF 3 Stations ERF 4 Stations ERF 5 Stations ERF 6 Stations ERF

38% OF INCIDENTS ARE

38% OF INCIDENTS ARE

OF INCIDENTS ARE COVERED BY 2 STATIONS COVERED BY 3 STATIONS COVERED BY 4 STATIONS COVERED BY 5 STATIONS COVERED BY 6 STATIONS

0%

0% OF INCIDENTS ARE

0% OF INCIDENTS ARE



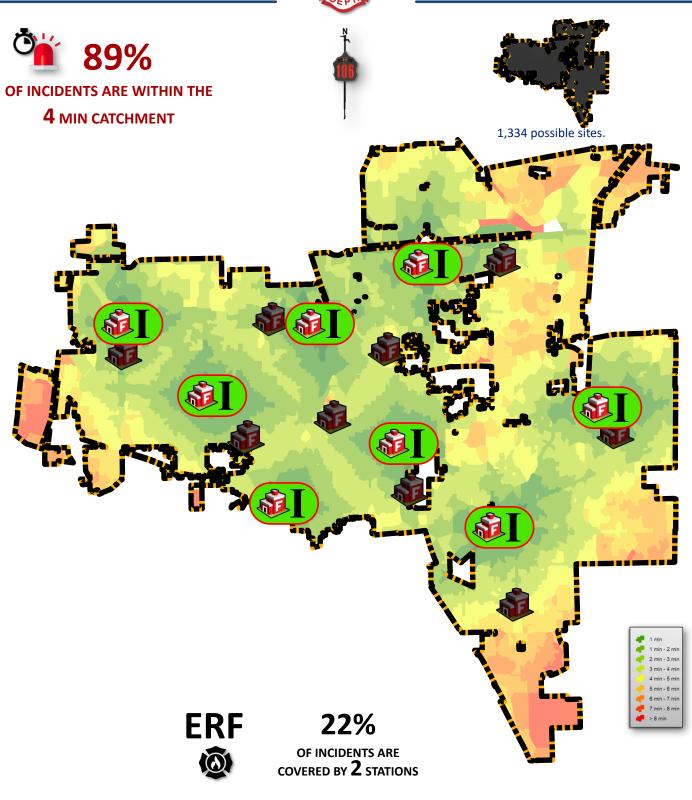
# **Ideal Stations**



8 Stations9 Stations10 Stations







21%

28%

**15%** 

**7**%

0%

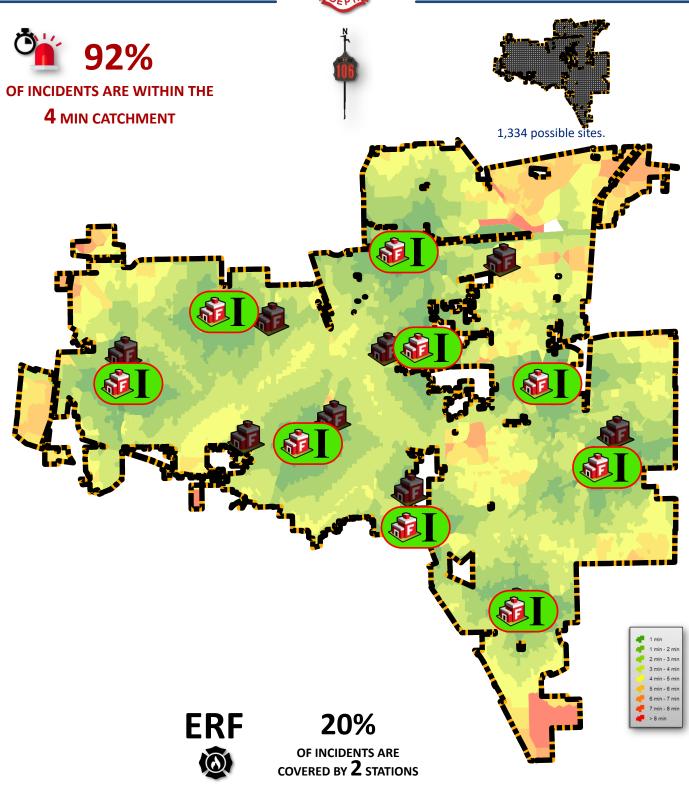
OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE COVERED BY **3** STATIONS COVERED BY **4** STATIONS COVERED BY **5** STATIONS COVERED BY **7** STATIONS

#### **Ideal Station Location:**



The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.





23%

28%

**17%** 

9%

0%

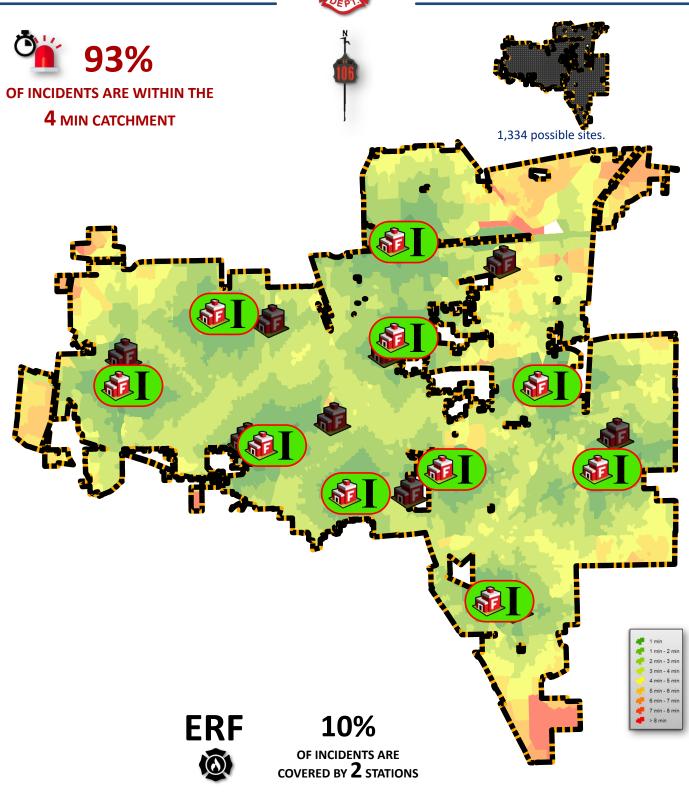
OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE COVERED BY **3** STATIONS COVERED BY **4** STATIONS COVERED BY **5** STATIONS COVERED BY **7** STATIONS

#### **Ideal Station Location:**



The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.





22%

20%

18%

19%

8%

OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE OF INCIDENTS ARE COVERED BY **3** STATIONS COVERED BY **4** STATIONS COVERED BY **5** STATIONS COVERED BY **7** STATIONS

#### **Ideal Station Location:**



The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.

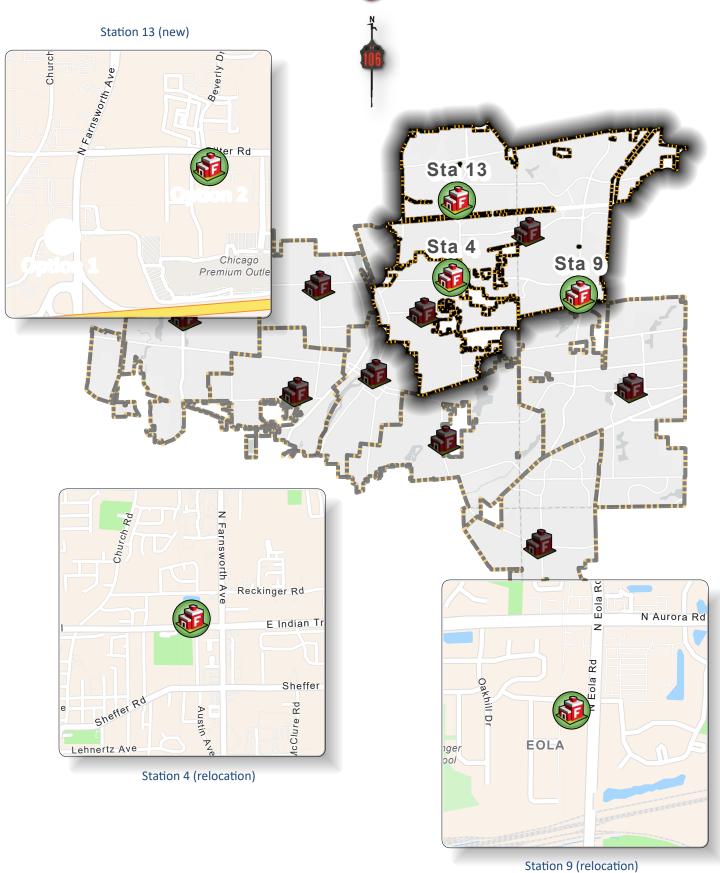
# **Stations Locations Impact**



**Proposed Stations Location** Station 4 - Relocation / Ideal Location Station 4 - Catchment Comparison Station 4 - 4 Minute Catchment Incidents Station 4 - Aeaa of Responibility (AoR) Station 4 - Response Times Station 9 - Relocation / Ideal Location Station 9 - Catchment Comparison Station 9 - 4 Minute Catchment Incidents Station 9 - Aeaa of Responibility (AoR) Station 9 - Response Times Station 13 - New / Ideal Location Station 13 - Catchment Comparison Station 13 - 4 Minute Catchment Incidents Station 13 - Aeaa of Responibility (AoR) Station 13 - Response Times Area Served by Drive Time Comparison 4 min and 8 min Drive Times Comparison



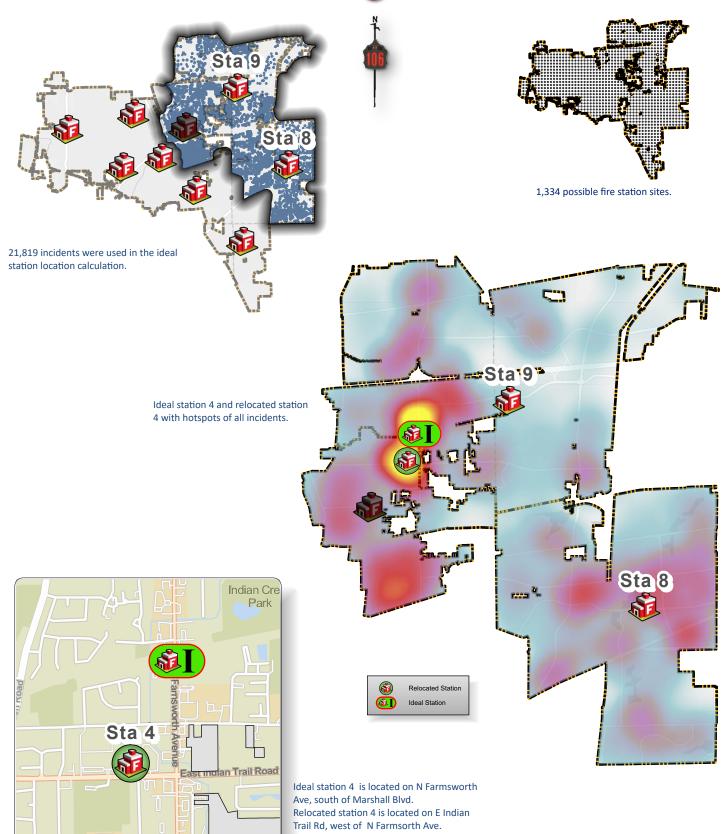






### Station 4 - Relocation / Ideal Location





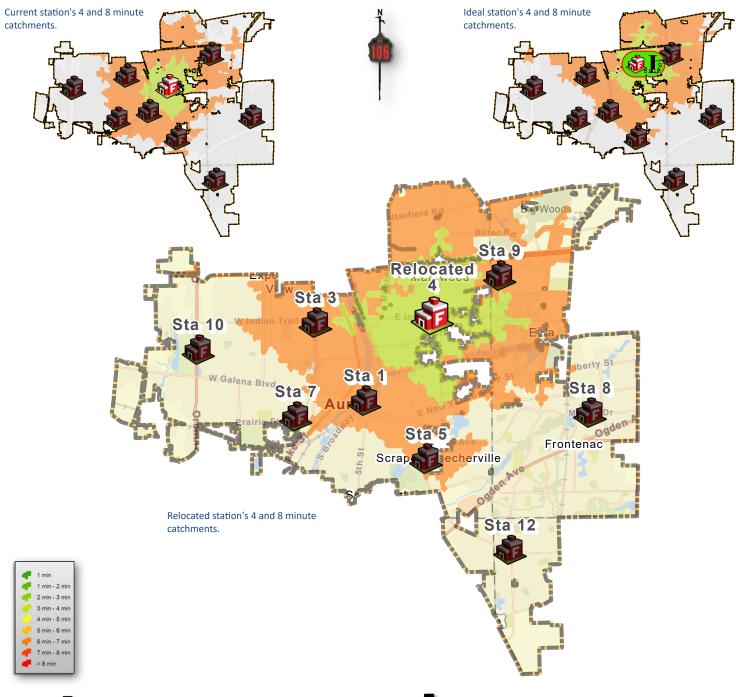
#### **Ideal Station Location:**

The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.



## **Station 4 - Catchment Comparison**







**4** MINUTE COVERAGE

**8** MINUTE COVERAGE

**AREA IN SQUARE MILES** PERCENTAGE OF TRA

PERCENTAGE OF TRA

3.8 **Current** 4.6 Ideal

**AREA IN SQUARE MILES** 

41%

10%

8%

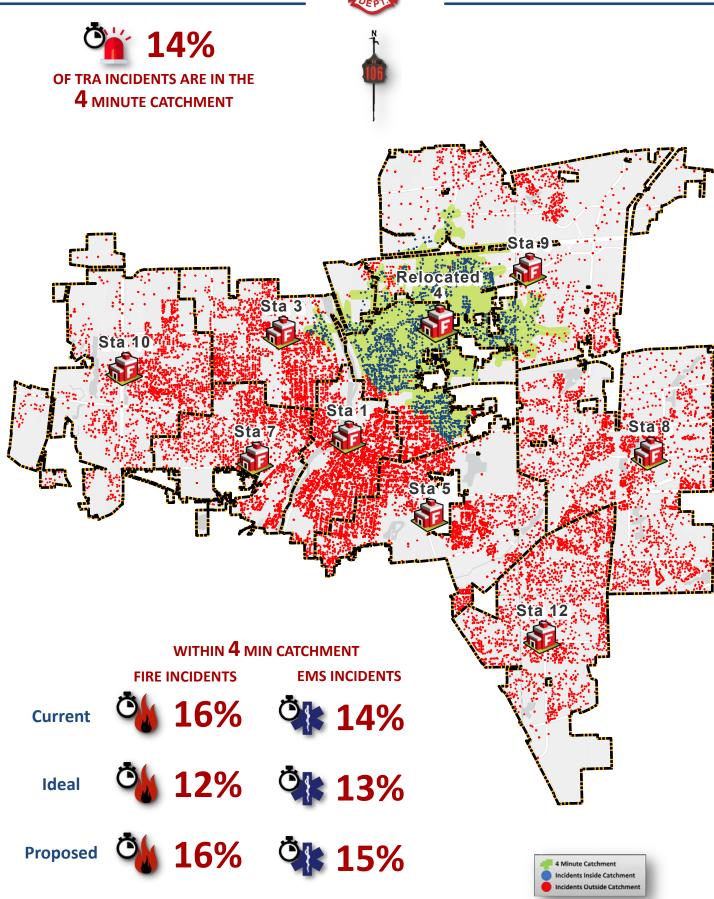
**Proposed** 

10%



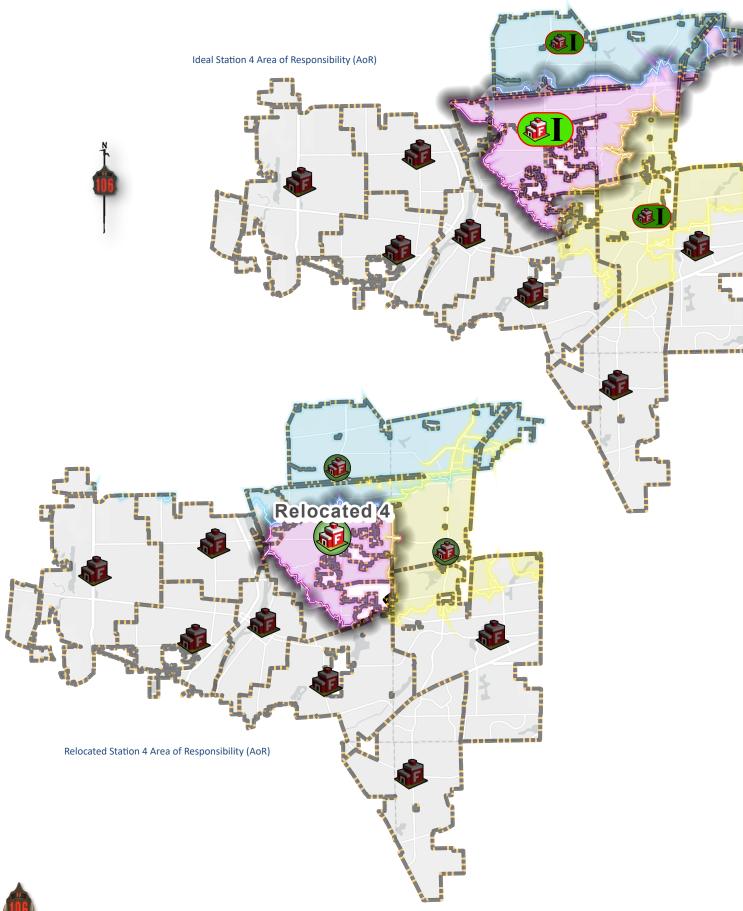
Catchments represent the area covered by drive time from the fire stations and are displayed at the four-minute and eight-minute increments.

















# All Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	<b>50%</b>
Proposed	00:04:27	00:03:55	00:03:37	00:03:13	00:02:51
Historic - Proposed	00:08:31	00:07:25	00:06:43	00:06:12	00:05:44
Calculated	00:04:52	00:04:26	00:04:04	00:03:34	00:03:03
Historic - Calculated	00:08:50	00:07:37	00:06:54	00:06:21	00:05:52



### **Fire Incidents Response Time (h:mm:ss)**

_	90%	80%	70%	60%	50%
Proposed	00:05:03	00:04:36	00:04:23	00:03:50	00:03:29
Historic - Proposed	00:07:50	00:06:44	00:05:55	00:05:42	00:05:20
Calculated	00:05:22	00:04:54	00:04:31	00:04:02	00:03:33
Historic - Calculated	00:08:31	00:07:16	00:06:19	00:05:51	00:05:31



### **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70</b> %	60%	50%
Proposed	00:04:25	00:03:54	00:03:37	00:03:12	00:02:51
Historic - Proposed	00:08:13	00:07:16	00:06:36	00:06:06	00:05:39
Calculated	00:04:49	00:04:23	00:04:03	00:03:32	00:03:00
Historic - Calculated	00:08:25	00:07:25	00:06:46	00:06:16	00:05:48



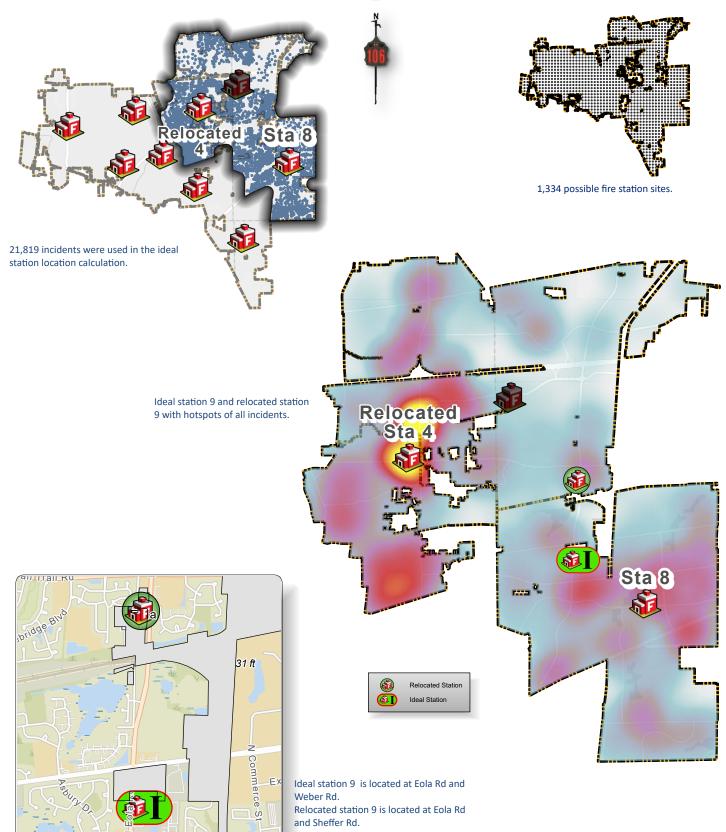
# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Proposed	00:04:28	00:03:56	00:03:37	00:03:11	00:02:51
Historic - Proposed	00:10:18	00:08:12	00:07:14	00:06:35	00:06:03
Calculated	00:05:03	00:04:31	00:04:10	00:03:37	00:03:05
Historic - Calculated	00:10:49	00:08:40	00:07:32	00:06:47	00:06:16



### Station 9 - Relocation / Ideal Location





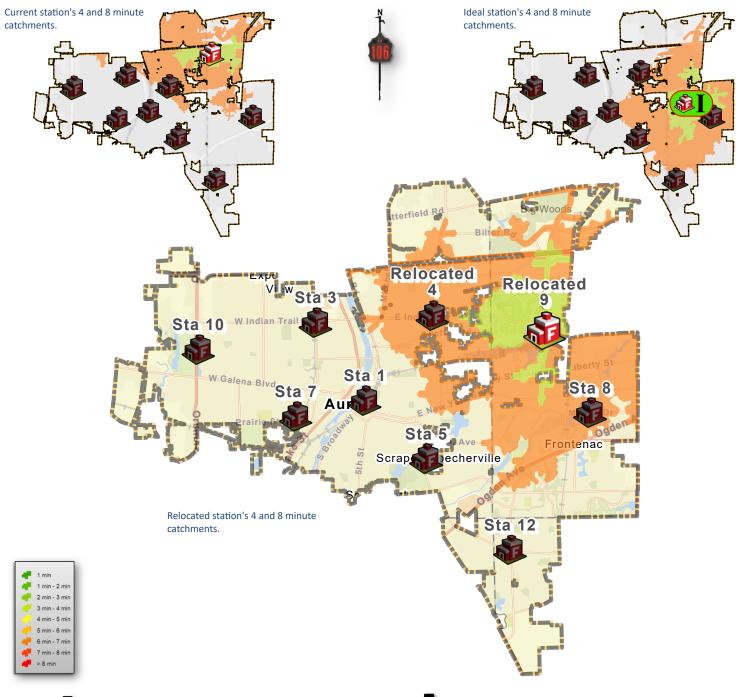
#### **Ideal Station Location:**

The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.



# **Station 9 - Catchment Comparison**







**4** MINUTE COVERAGE

8 MINUTE COVERAGE

AREA IN SQUARE MILES PERCENTAGE OF **TRA** 

AREA IN SQUARE MILES PERCENTAGE OF TRA

Current 2.3 5% Ideal 3.8 8% Proposed 2.5 5%

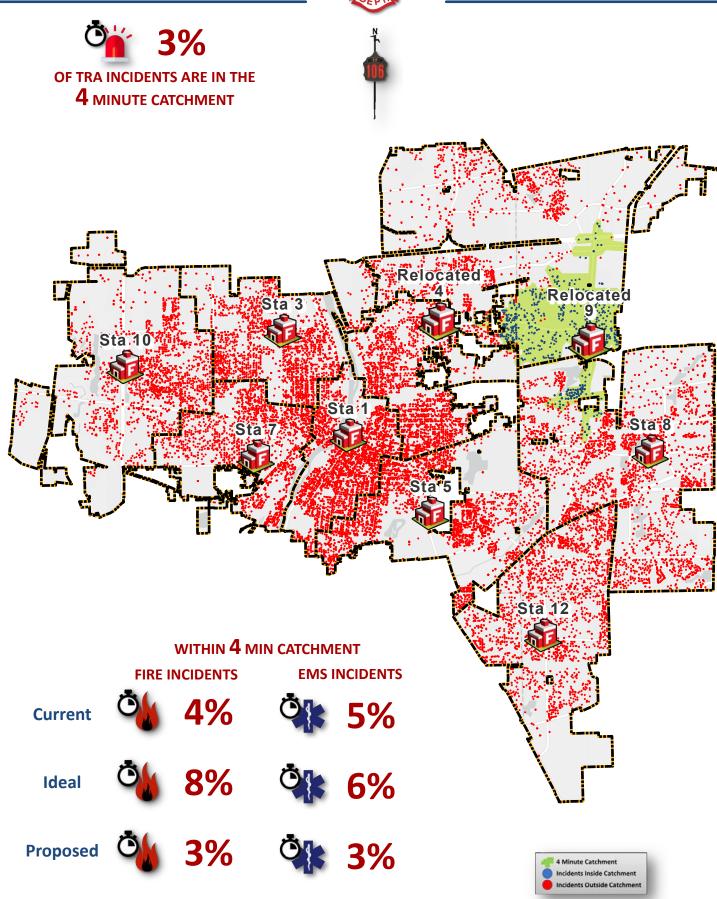
17.7 37% 15.0 31%



Catchments represent the area covered by drive time from the fire stations and are displayed at the four-minute and eight-minute increments.

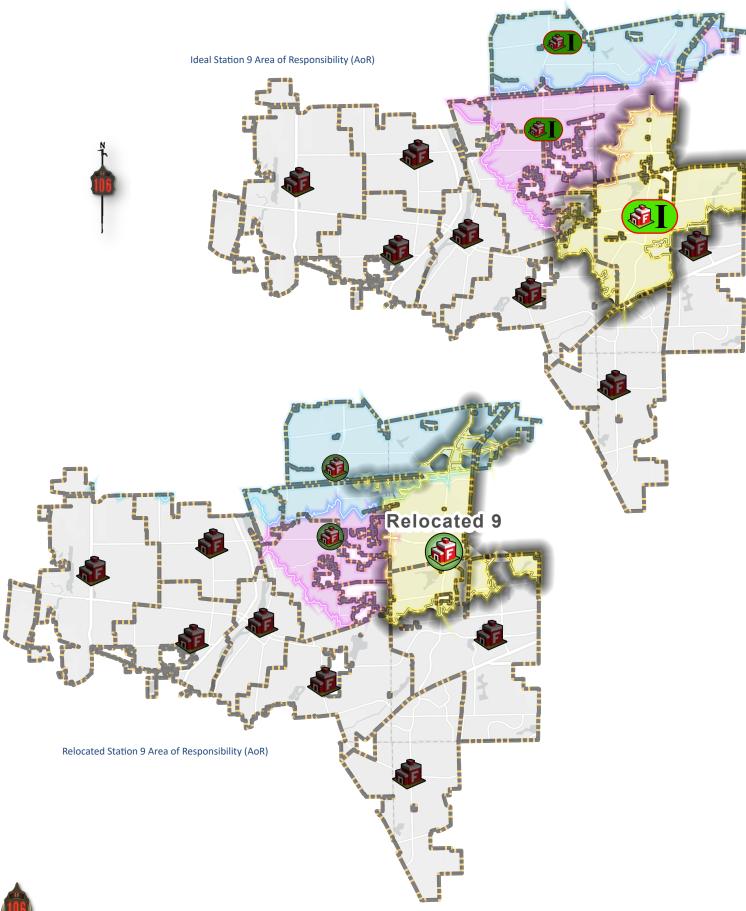
#### **Station 9 - 4 Minute Catchment Incidents**

















# All Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Proposed	00:07:15	00:05:59	00:05:25	00:04:53	00:04:26
Historic - Proposed	00:09:57	00:08:49	00:08:05	00:07:33	00:07:07
Calculated	00:05:54	00:05:20	00:04:56	00:04:41	00:04:16
Historic - Calculated	00:09:27	00:08:16	00:07:37	00:07:05	00:06:40



### **Fire Incidents Response Time (h:mm:ss)**

_	90%	80%	70%	60%	50%
Proposed	00:07:12	00:06:18	00:05:44	00:05:19	00:04:56
Historic - Proposed	00:09:51	00:08:19	00:08:04	00:07:26	00:06:49
Calculated	00:06:05	00:05:51	00:05:26	00:05:11	00:05:04
Historic - Calculated	00:08:57	00:08:10	00:07:35	00:07:08	00:06:50



## **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70</b> %	60%	50%
Proposed	00:06:40	00:05:39	00:05:08	00:04:37	00:04:16
<b>Historic - Proposed</b>	00:09:15	00:08:26	00:07:49	00:07:18	00:06:57
Calculated	00:05:42	00:05:19	00:04:55	00:04:39	00:04:13
Historic - Calculated	00:08:56	00:07:57	00:07:20	00:06:52	00:06:27

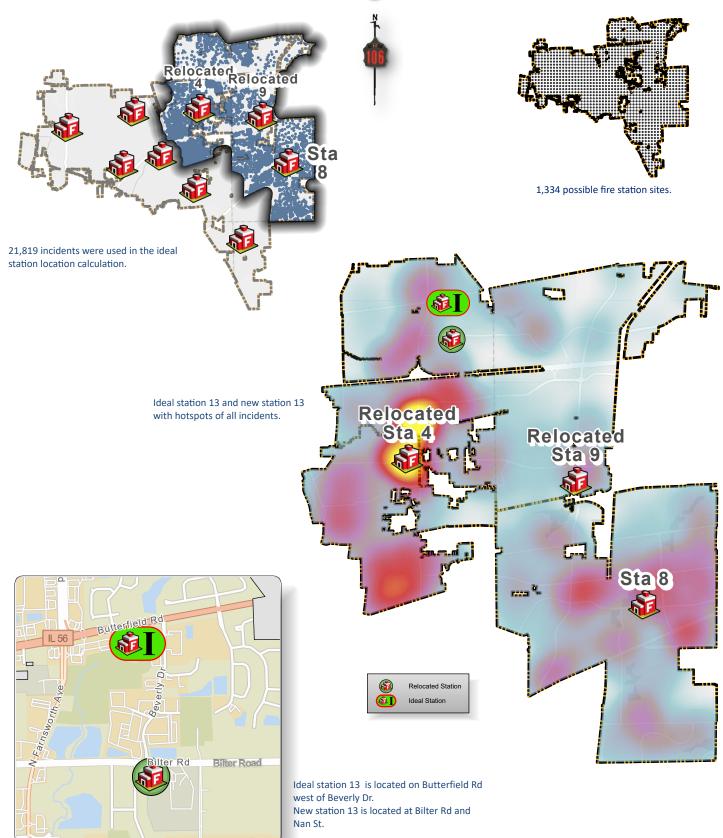


# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Proposed	00:07:23	00:06:30	00:05:48	00:05:12	00:04:43
Historic - Proposed	00:10:59	00:09:45	00:08:44	00:08:10	00:07:45
Calculated	00:06:05	00:05:21	00:04:55	00:04:41	00:04:17
Historic - Calculated	00:10:23	00:08:55	00:08:07	00:07:35	00:07:05







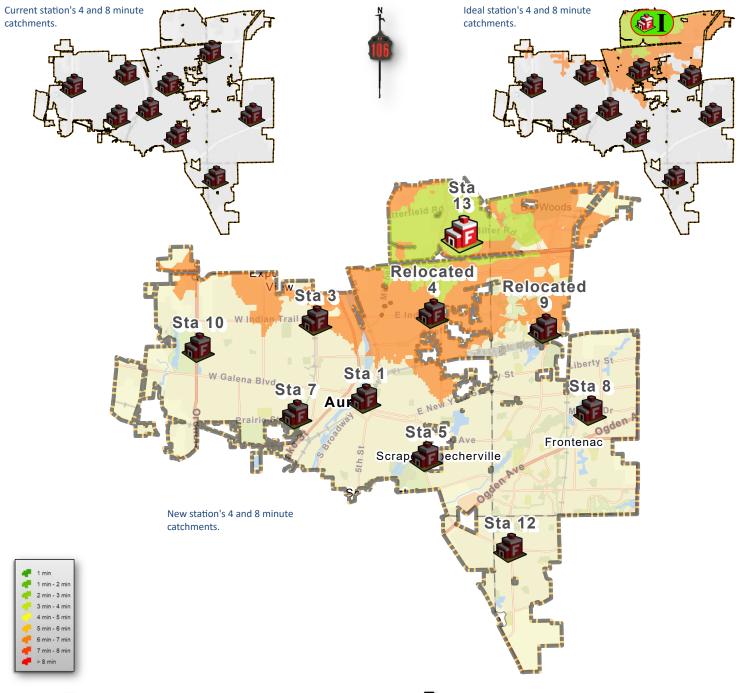
#### **Ideal Station Location:**

The Ideal Station Location was calculated using ESRI's Location - Allocation Analysis tool. 1,334 possible fire station sites were used with a 4 minute drive time as the cutoff to reach as many incidents as possible.



# **Station 13 - Catchment Comparison**







8 MINUTE COVERAGE

AREA IN SQUARE MILES PERCENTAGE OF TRA

AREA IN SQUARE MILES PERCENTAGE OF TRA

Ideal 3.8
Proposed 3.7

8% 8%

0%

12.6 13.7

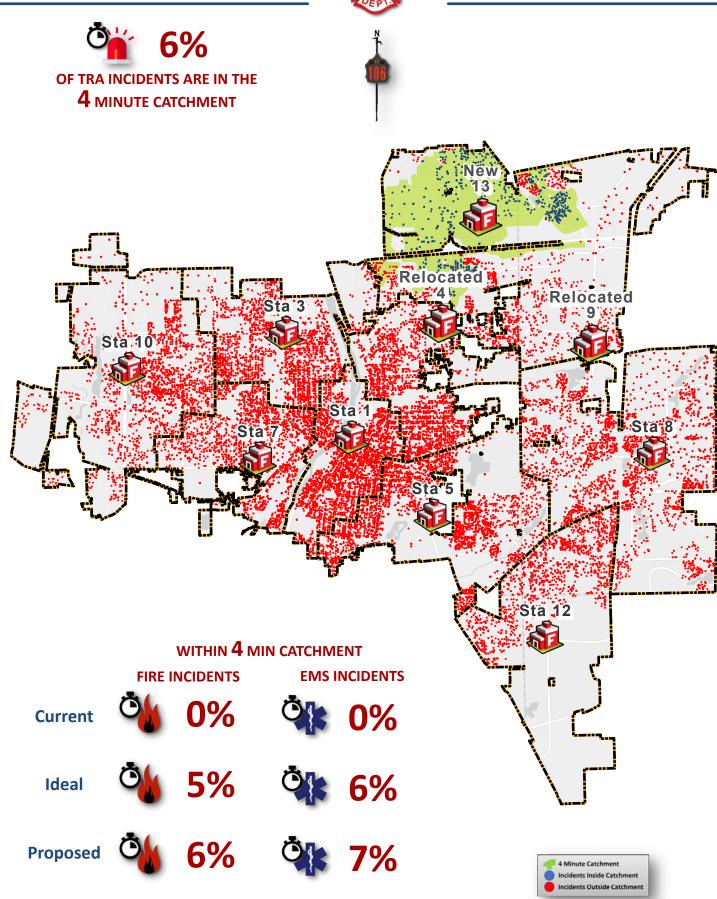
**29**%



Catchments represent the area covered by drive time from the fire stations and are displayed at the four-minute and eight-minute increments.

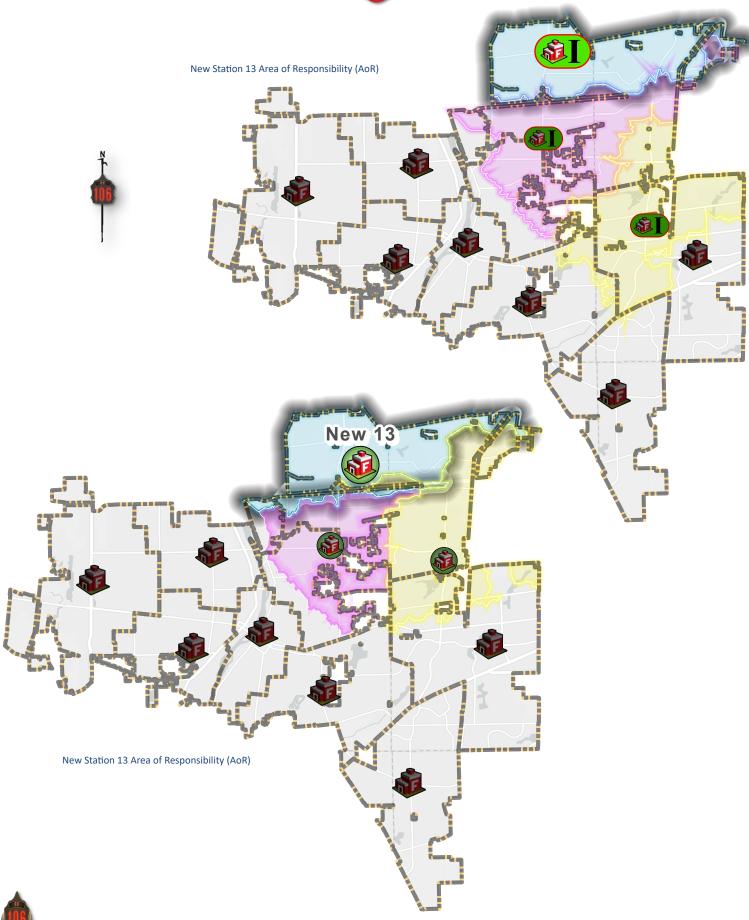
#### **Station 13 - 4 Minute Catchment Incidents**

















# All Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Proposed	00:05:40	00:04:57	00:04:29	00:04:10	00:03:53
Historic - Proposed	00:10:24	00:09:26	00:08:44	00:08:10	00:07:39
Calculated	00:05:33	00:04:47	00:04:20	00:04:01	00:03:36
Historic - Calculated	00:10:34	00:09:27	00:08:45	00:08:12	00:07:39



### **Fire Incidents Response Time (h:mm:ss)**

_	90%	80%	70%	60%	50%
Proposed	00:06:30	00:05:18	00:04:37	00:04:27	00:03:57
Historic - Proposed	00:10:09	00:09:42	00:08:52	00:07:37	00:06:54
Calculated	00:06:30	00:05:14	00:05:03	00:05:03	00:03:48
Historic - Calculated	00:10:09	00:09:57	00:09:03	00:08:19	00:07:18



### **EMS Incidents Response Time (h:mm:ss)**

	90%	80%	<b>70</b> %	60%	50%
Proposed	00:05:49	00:04:59	00:04:31	00:04:12	00:04:01
Historic - Proposed	00:10:05	00:09:12	00:08:34	00:08:02	00:07:32
Calculated	00:05:46	00:04:50	00:04:21	00:04:01	00:03:38
Historic - Calculated	00:10:09	00:09:12	00:08:35	00:08:03	00:07:31



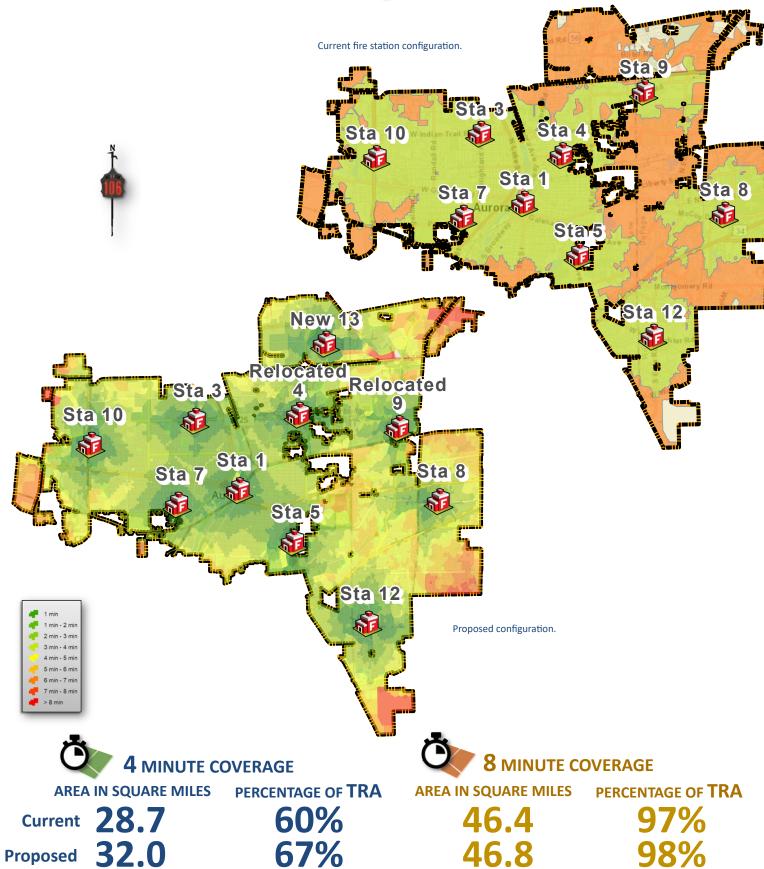
# Other Incidents Response Time (h:mm:ss)

	90%	80%	70%	60%	50%
Proposed	00:05:30	00:04:51	00:04:22	00:04:07	00:03:43
Historic - Proposed	00:11:14	00:10:00	00:09:20	00:08:42	00:08:10
Calculated	00:05:18	00:04:43	00:04:10	00:04:01	00:03:27
Historic - Calculated	00:11:23	00:10:13	00:09:24	00:08:47	00:08:16



# 4 min and 8 min Drive Times Comparison

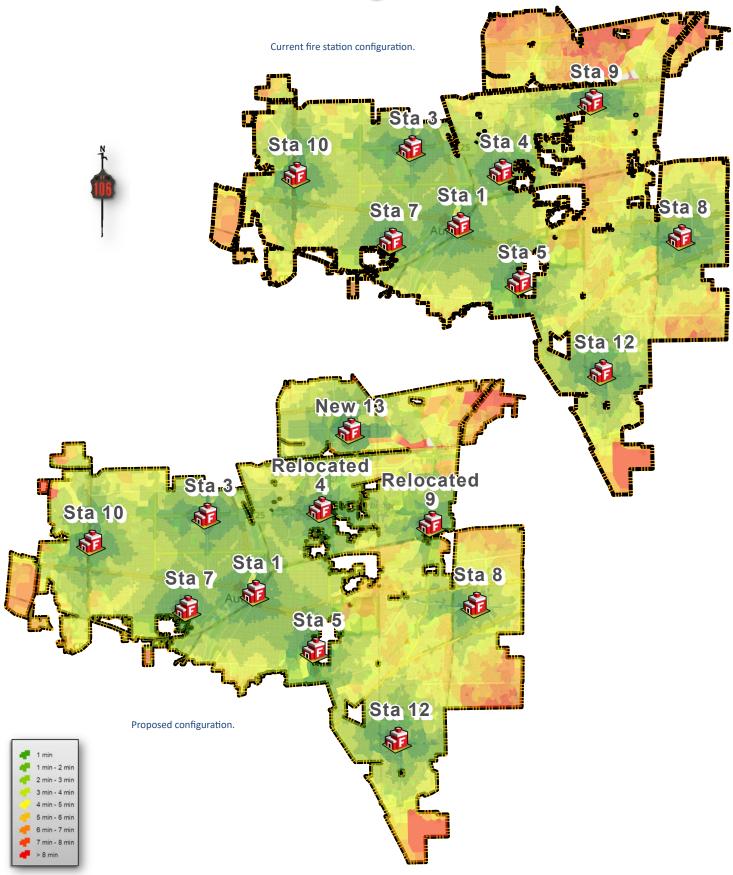






Catchments represent the area covered by drive time from the fire stations and are displayed at the four-minute and eight-minute increments.







Catchments represent the area covered by drive time from the fire stations and are displayed in one-minute increments.





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