

Make Spatial Data Work for You: Increasing Public Engagement Through Open Data and Dashboards

City of McKinney

Why is Public Engagement important ?



Inform the public



Get public opinion



Collaborate with the public



Properly address issues



Better decision making

City of McKinney's Open Data Site

- Providing convenient access to the city's spatial data
- Enhancing transparency
- Providing the public with timely information about the city
- Increasing communication and collaboration with citizens



Process



Organized data from enterprise GIS



Updated metadata and schema



Researched other open data sites for ideas



Customized the layout of the site and pages



Branded and designed the site with the help of our Communications and Marketing department

Result



Attractive easy-to-use [Open Data](#) site



Standardized design for maps and web map applications



Helps Streamline internal workflows



Greatly enhances the city's GIS Open Record request process



Information is more accessible



Enhances Public Engagement



Presented to City Council and featured in State of the City

Quick tour of the Open Data Site



Dive into our open data portal to find out about community development, recreation and transportation with several interactive maps and datasets. Use the portal to learn more about McKinney's story or create your own.

Fire Hydrant Maintenance and Inspection

City of McKinney

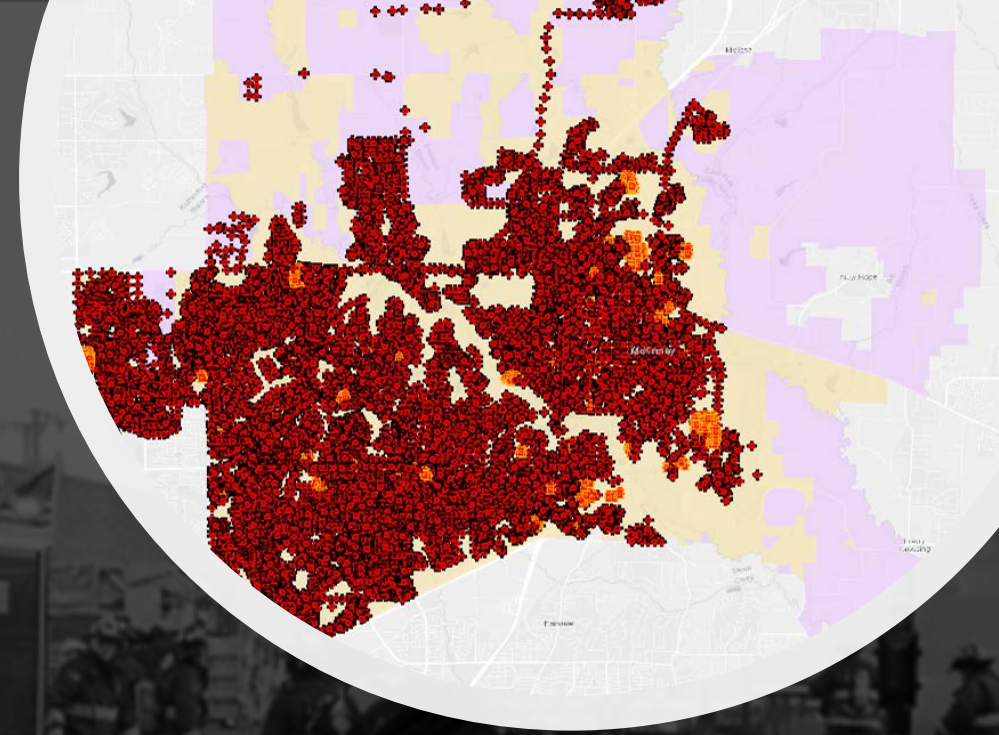
Use of Fire Hydrants

- Fire fighting
- Line flushing
- Testing system
- Water source for
 - street cleaning
 - sewer cleaning
 - construction works



Problem

- More than 9800 Fire hydrants in City of McKinney
- Need for timely inspection and maintenance for proper performance
- Need for efficient inspection and maintenance workflow



Problem - Paper based Inspection workflow

- Time consuming
- Tedious
- Prone to error
- Inefficient

Hydrant asset ID# 45055 H Date of Inspection: 10-10-18
Address: RYAN - HARRY TOWN Time of Inspection:
Year: 2002 Inspector: B. E.
Make: WATEROUS Inspector:

Appearance	GOOD	BAD	Action Taken
Paint	✓		
Caps/Greased	✓		
Gaskets	✓		
Steamer size 4"	✓		
Height	✓		
Alignment	✓		
Tag	✓		
Direction	✓		

Hydrant Condition	GOOD	BAD	Action Taken
Operating Nut	✓		
Connection Threads	✓		
Weep Holes	✓		
Test	✓		

Hydrant Valve	YES	NO	Action Taken
✓			
Front/Next/Behind			
✓			
✓			
✓			
✓			
✓			

FIRE HYDRANT MAINTENANCE LOGS.XLSX - EX

Review View Tell me what you want to do...

General

Alignment Merge & Center

Number

Styles

C	D	E	F	G	H
Year	Make	Date of Inspection	Inspector	Paint	Caps_Grease
2005	AVK	7/18/2018	B ELLIOT	GOOD	GOOD
2005	AVK	7/18/2018	B ELLIOT	GOOD	GOOD
2005	AVK	7/18/2018	B ELLIOT	GOOD	GOOD
2005	AVK	7/18/2018	B ELLIOT	GOOD	GOOD
2005	AVK	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2013	WATEROUS	7/18/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/17/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/17/2018	B ELLIOT	GOOD	GOOD
2005	AVK	7/17/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/16/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/16/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/16/2018	B ELLIOT	GOOD	GOOD
2006	WATEROUS	7/16/2018	B ELLIOT	GOOD	GOOD

Solution

- ArcGIS Solutions for Local Government
 - Collector for ArcGIS
 - Operations Dashboard for ArcGIS
- Created and established relationship between Fire hydrant feature class and Fire hydrant Inspection and Maintenance Log table
- Created and configured web map and Operations Dashboard
- Setup collector for ArcGIS for editing the related Fire hydrant Inspection and Maintenance Log table in the field.
- Setup Operations Dashboard to monitor status



Fire Hydrant Maintenance Dashboard

Not Inspected - Critical

⚠️ 1,188

Not Inspected - NonCritical

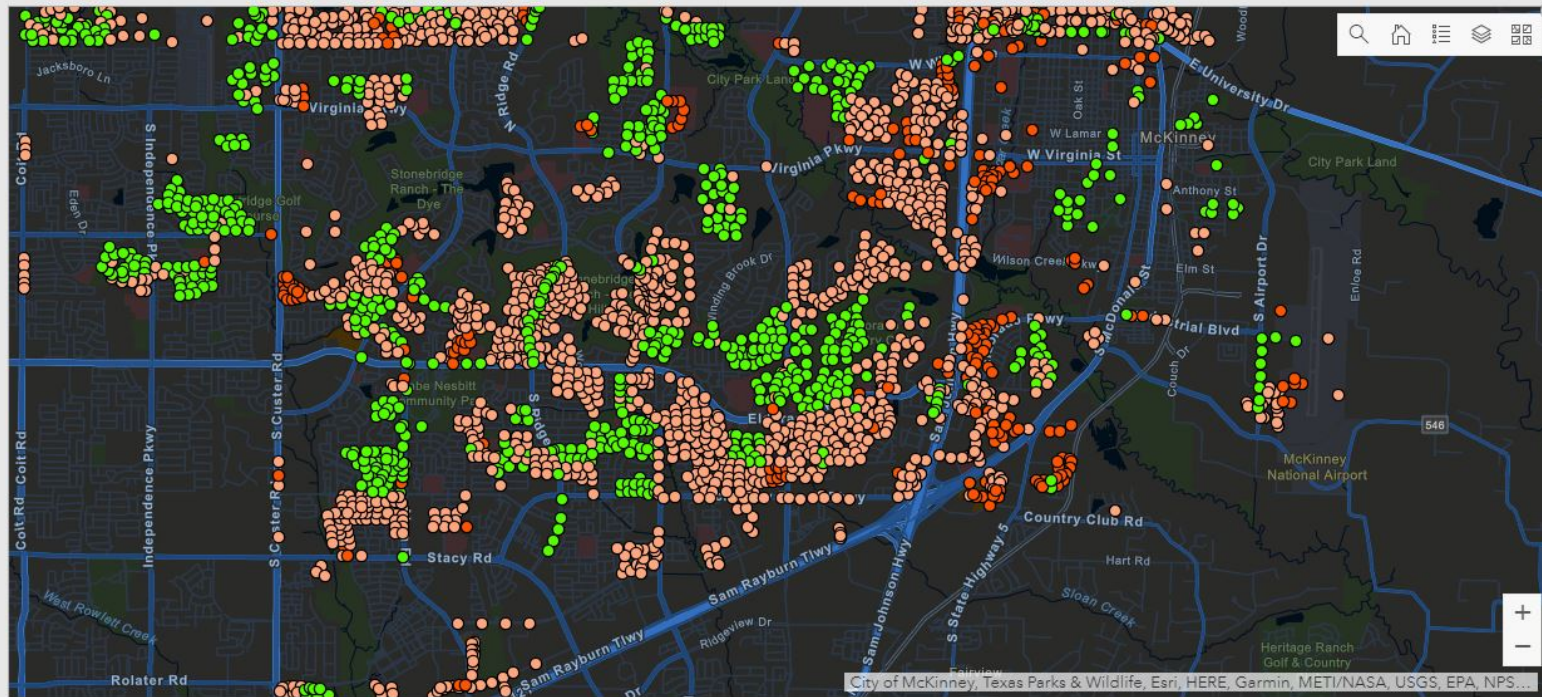
⚠️ 5,535

Inspected - Last 5 years

✅ 3,165

Inspected - Last 30 days

✅ 28



Inoperable Hydrants

0

Not Inspected - Critical

- PRIVATE
- PRIVATE
- PRIVATE
- PRIVATE
- PRIVATE
- PRIVATE
- 1005H
- 1146H
- 1148H



Last update: a few seconds ago

Thank you !

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