

Gauging Citizen Sentiment with Crowdsource Polling

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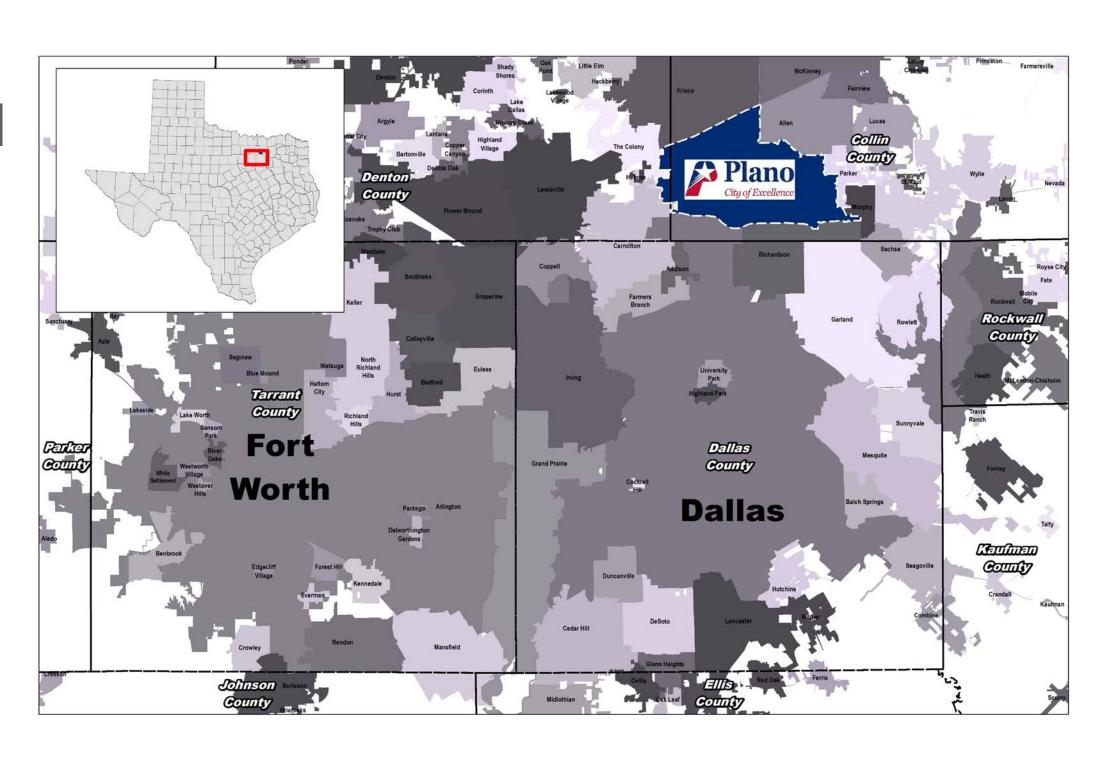
- GIS Specialist/Tech/Analyst/Business Intelligence Analyst for 19 years
 - Planning Department support for 4 years
 - ArcGIS Online(AGOL) launch Dec 2016 @ Plano.gov/Mapit





Plano, Texas, established 1873

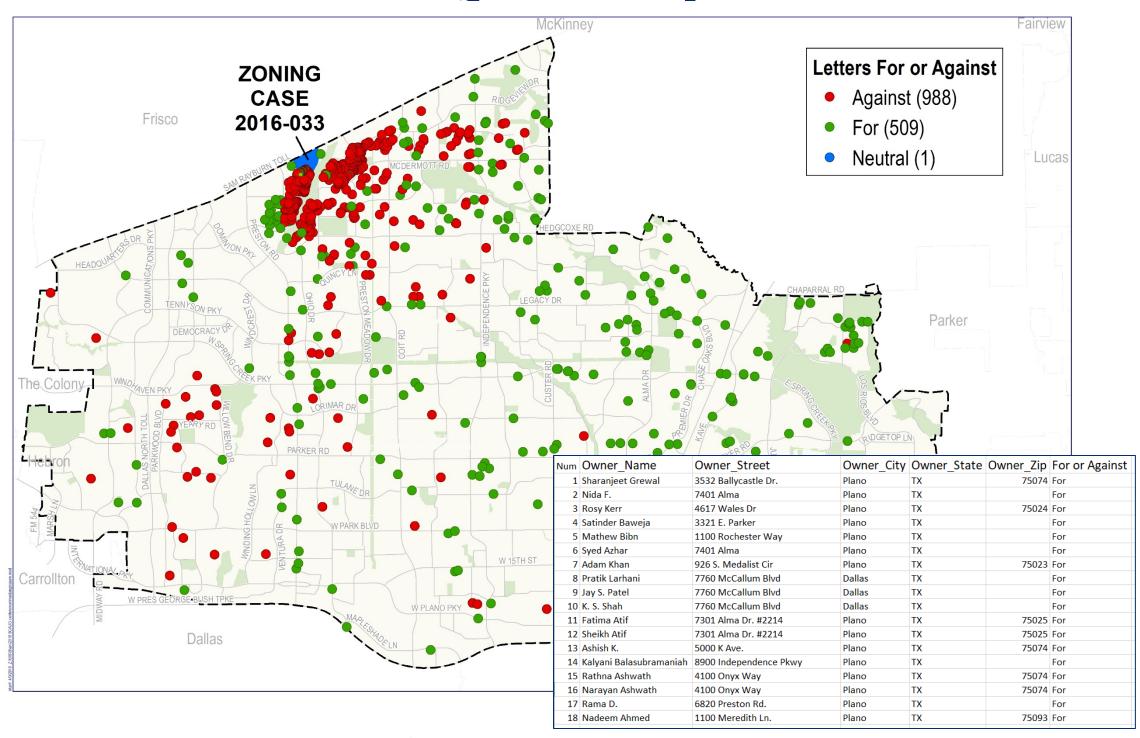
- 72 mi² \rightarrow 46 mi² Residential
- Population 279,900
- >150,0000 Jobs
- 5.7% Undeveloped Land
- Average 39 Zoning Cases per Year





Zoning Case Response – history & impetus

- 2017 Controversial Zoning Case
- Time & Labor to compile & map: Letters of Opposition → chain emails of opposition → chain emails → online petitions → Speaker cards → emails to mayor & director & manager → phone calls.....AND duplicate responses → duplicate & different responses over time



...how do we never have to do this again? Can we automate this?



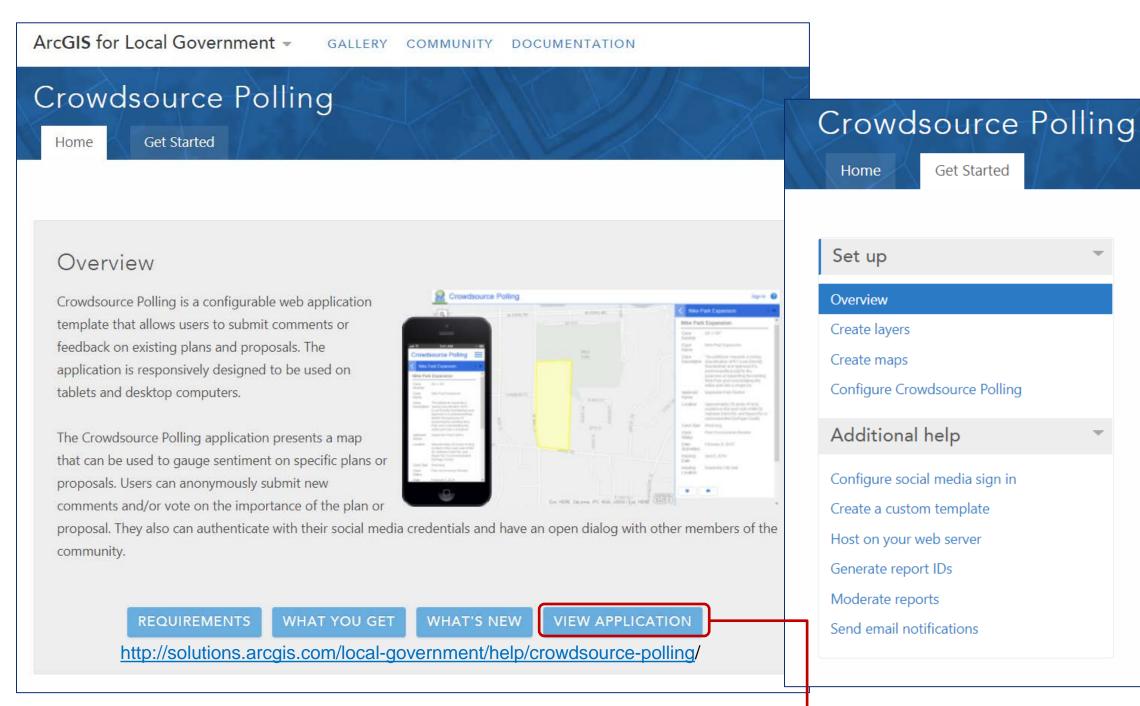
Zoning Case Response Application



http://planogis.maps.arcgis.com/apps/CrowdsourcePolling/index.html?appid=440f9aa7eae44ff0b53aadeb72ea4ff0



Zoning Case Response Solution



- ArcMap (Standard or Advanced License)
- ArcCatalog
- ArcServer
- ArcGIS Online
- Crowdsource Polling Template

Take it for a test drive!!

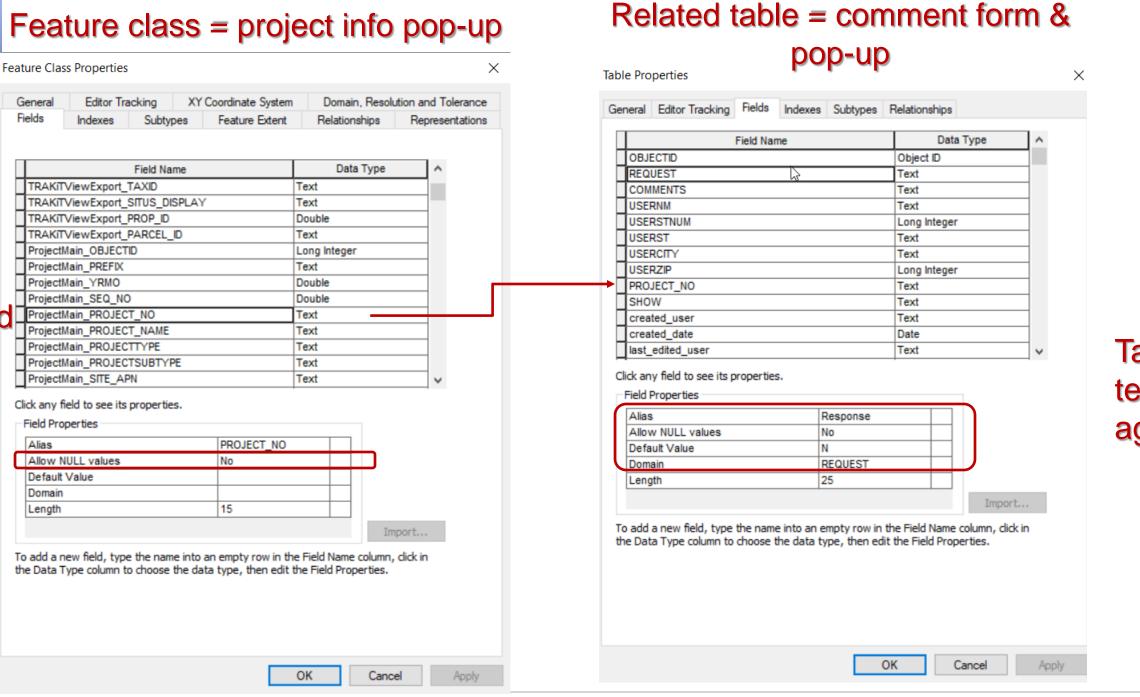


Zoning Case Response Solution

THREE COMPONENTS

- 1. Feature Class
- 2. Related Table
- 3. Relationship Class

GlobalID or Unique ID field

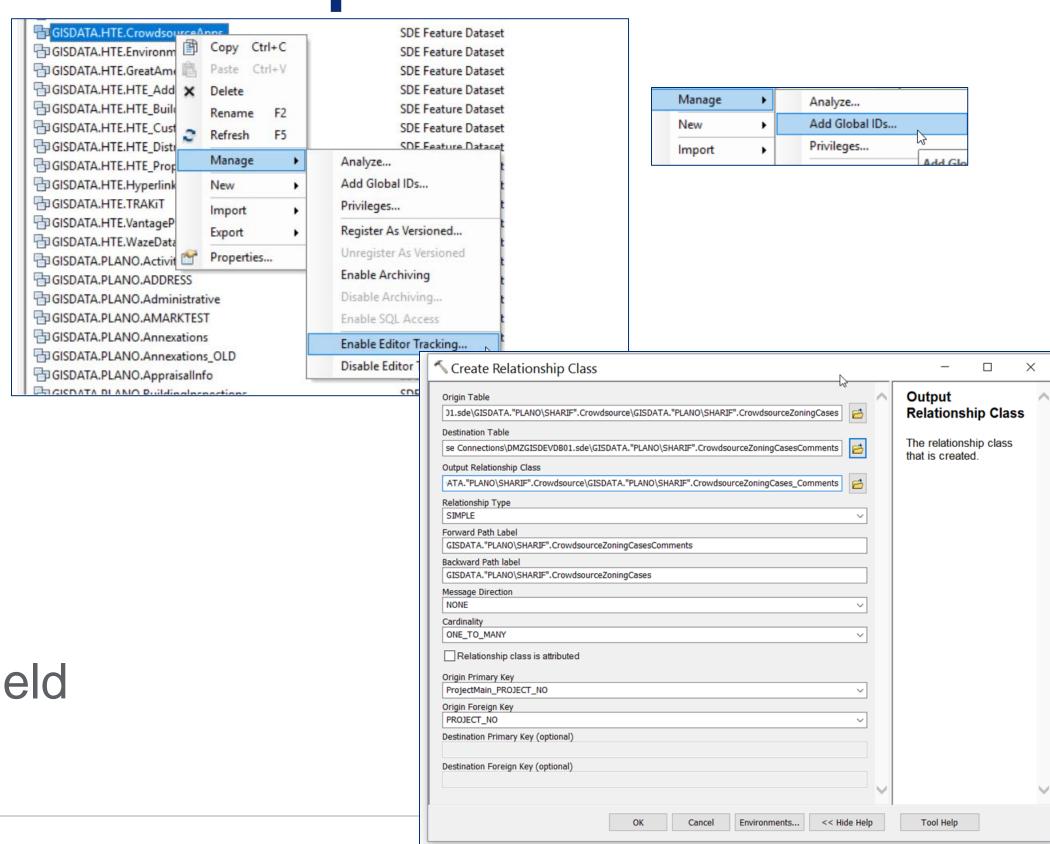


Take it for a test drive again!!



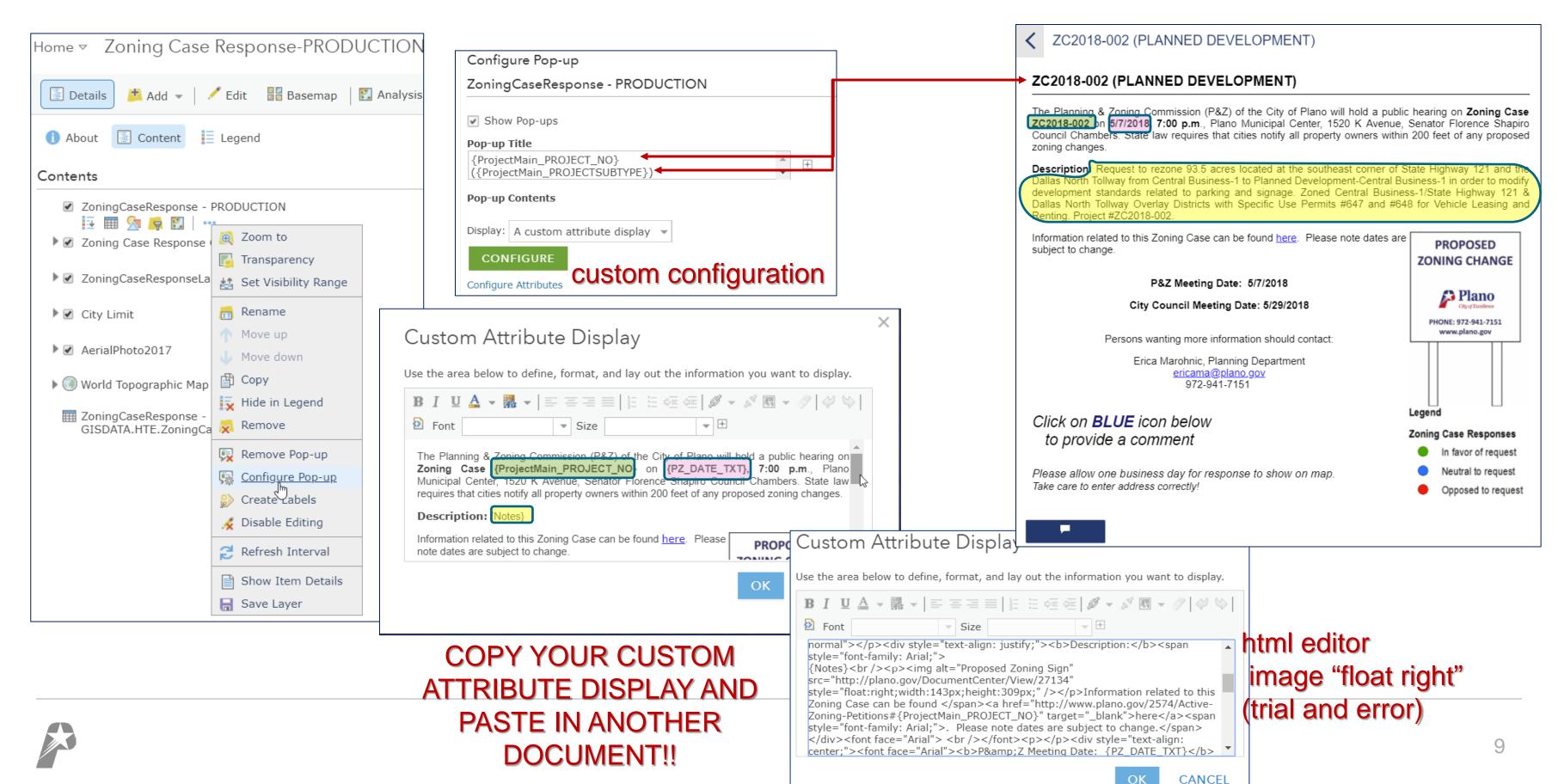
Zoning Case Response Solution

- Domains
- Field Data Type
- Field length
- Allow NULL values
- Default Values
- Unique ID or GlobalID
- Enable Editor Tracking
- Create Attachments
- {PUBLICVIEW} Yes No
- {NUMVOTES} Numeric field

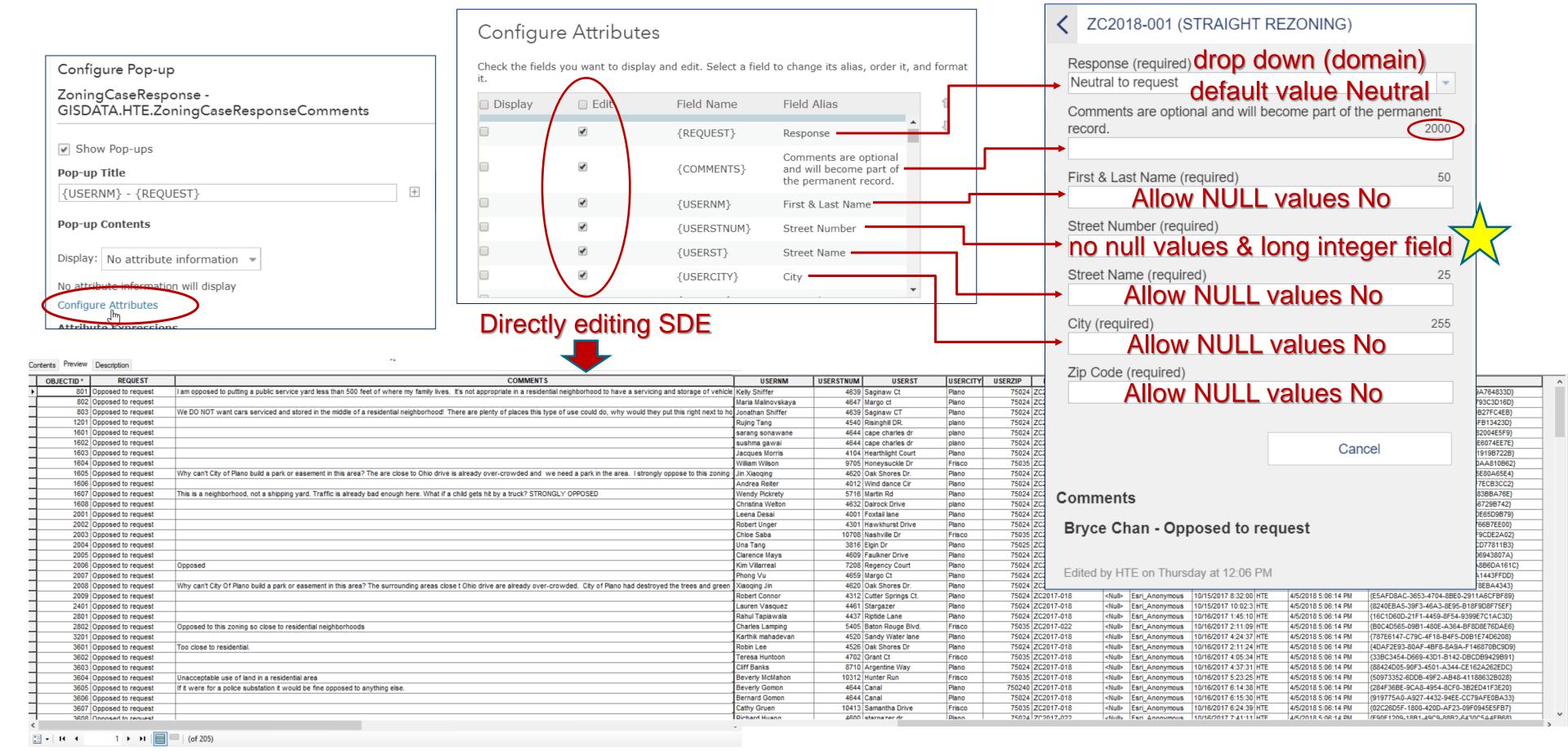




AGOL Web Map - Configure the Pop-up (Feature class)

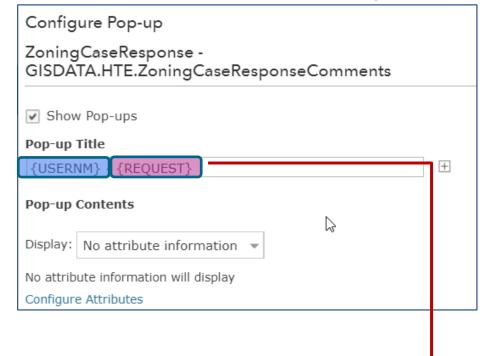


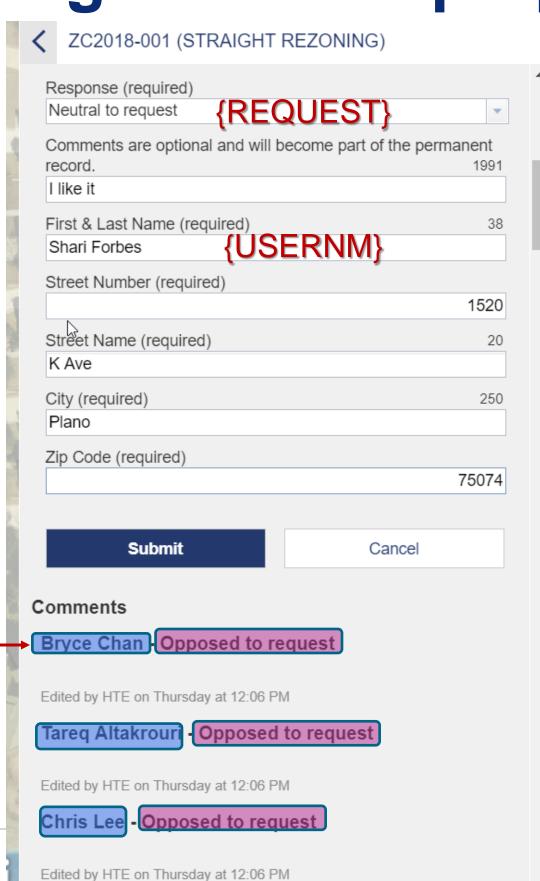
AGOL Web Map - Configure the Pop-up (related table)



AGOL Web Map - Configure the Pop-up (more related table)

After response has been submitted, we only want to show name and their response

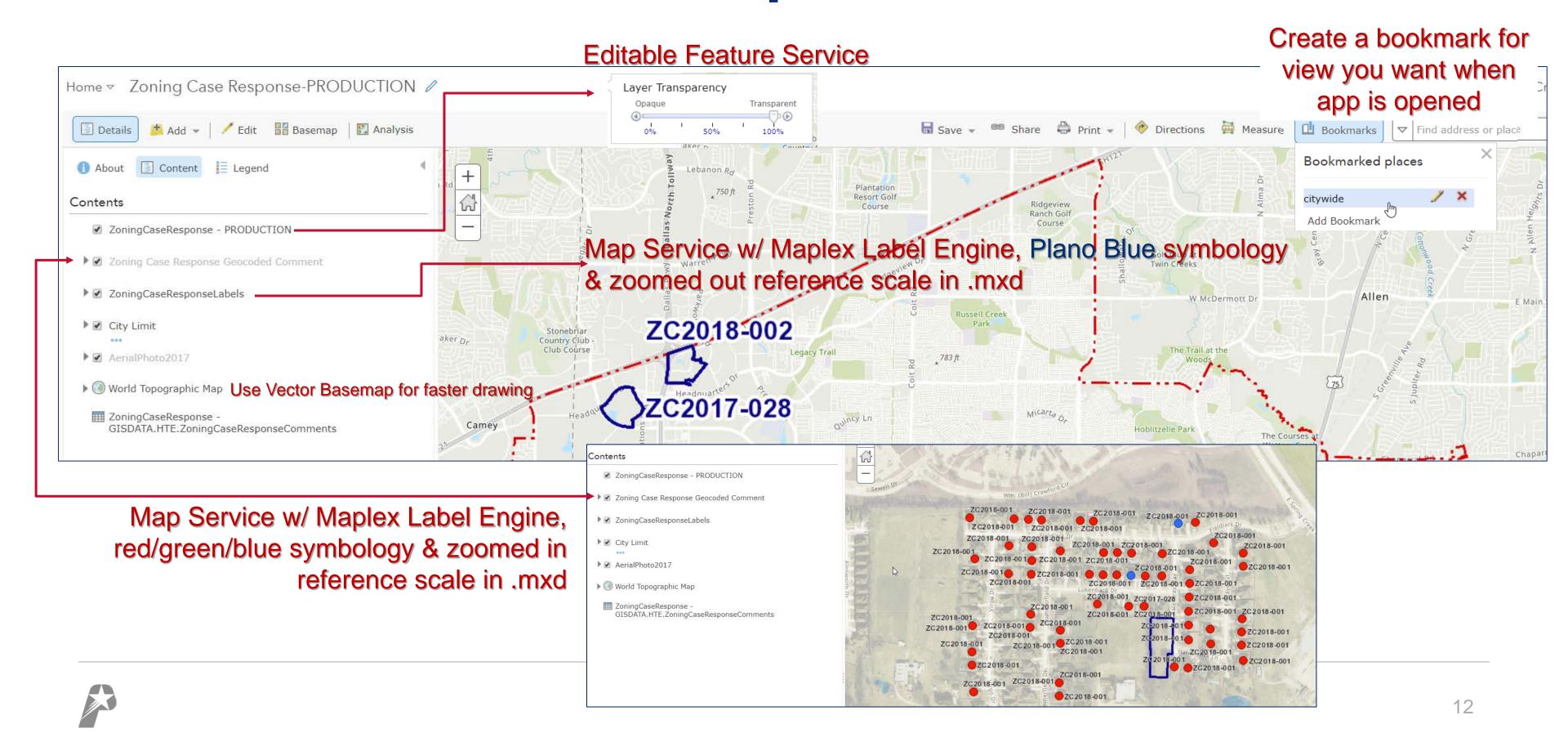




Submit button will appear when all required fields have data

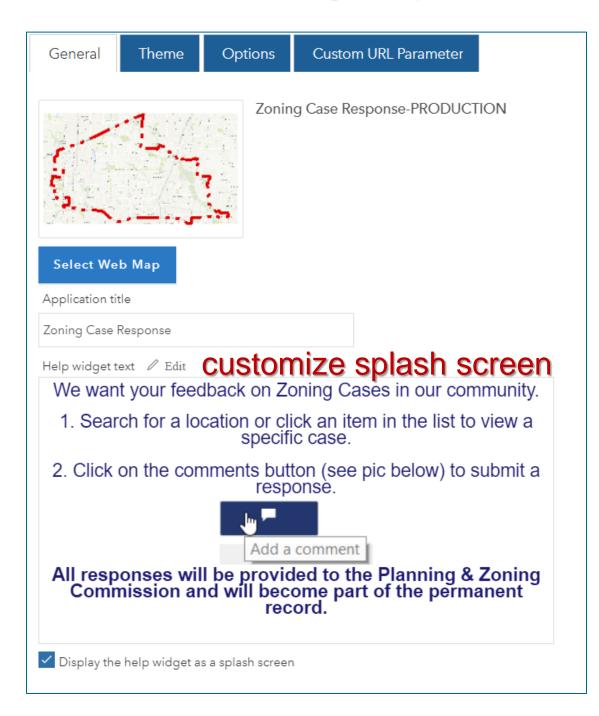


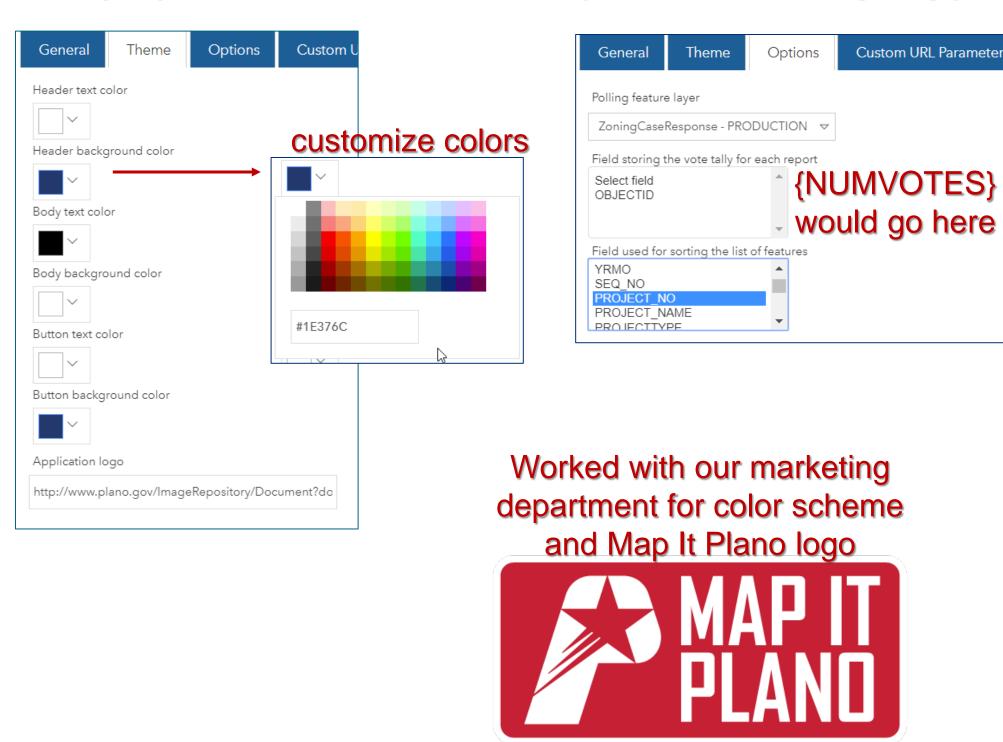
AGOL Web Map - Look & Feel



AGOL Template – Configure

Crowdsource Polling Template is bare bones – majority of work is in the structure of your data and configuring your pop-ups



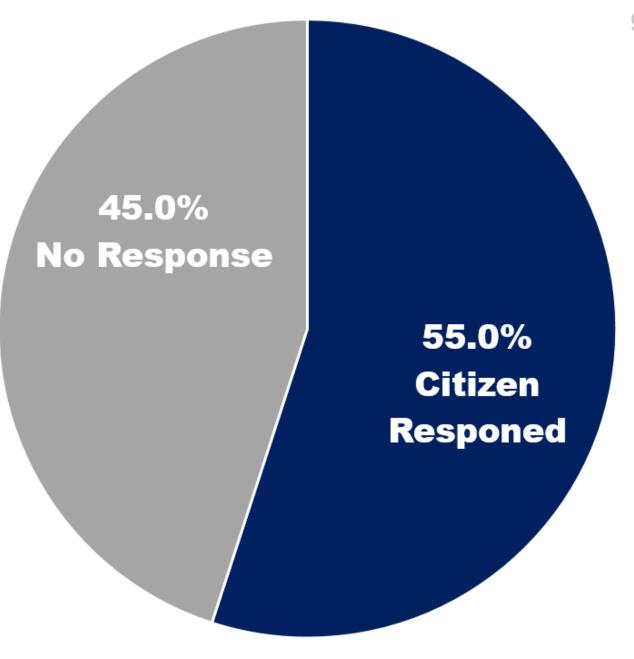




SIXMONTHSLATER

Zoning Case Response since October 2017



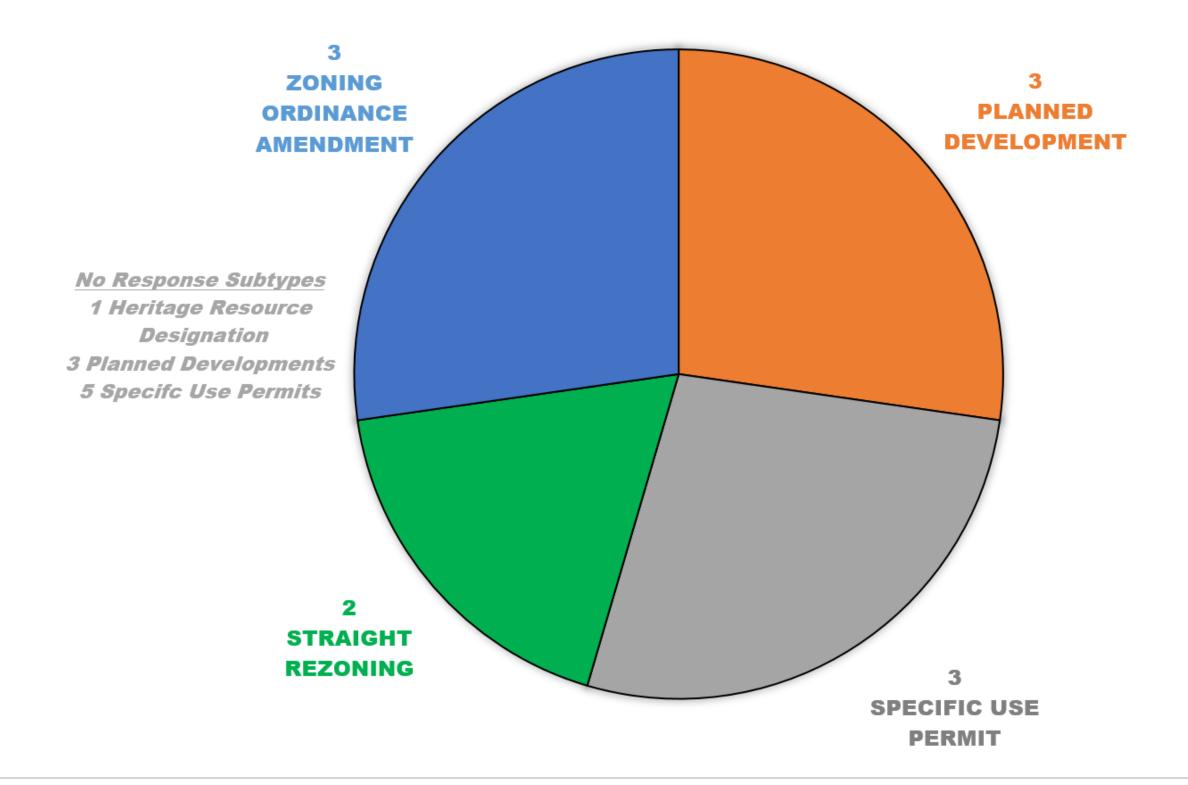


■ # of zoning cases that got a response

of zoning cases that got ZERO response

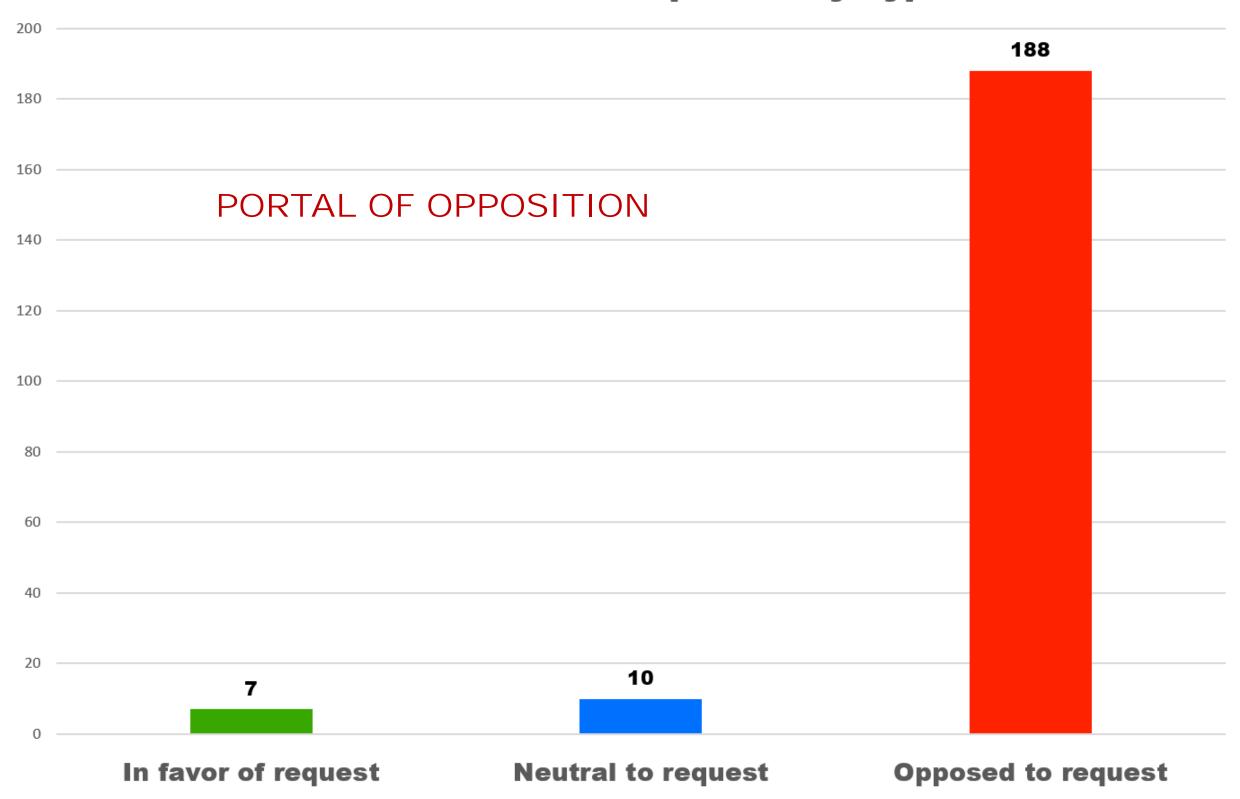


ZONING CASE RESPONSE SUBTYPE THAT RECIEVED RESPONSES





Zoning Case Response Total Number of Responses by Type



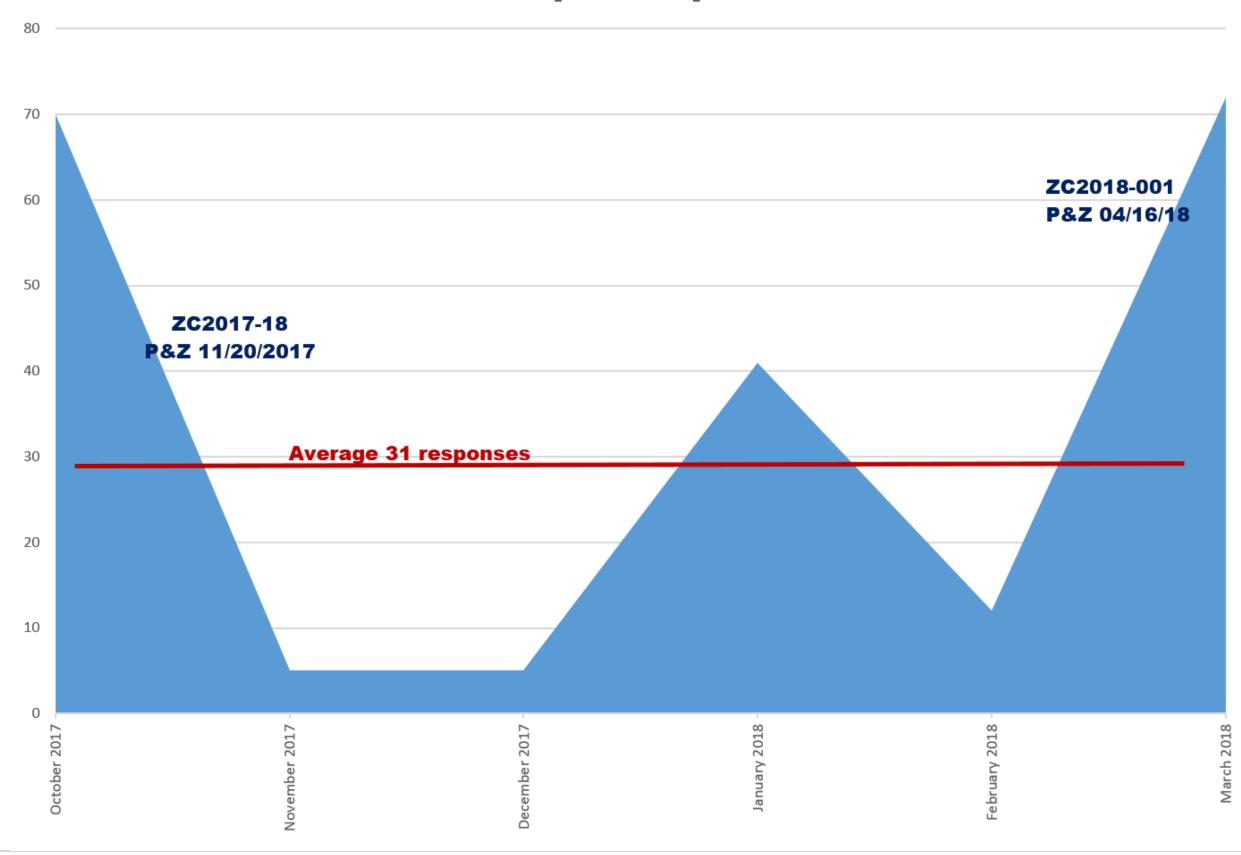


Frequency of Responses Per Zoning Case





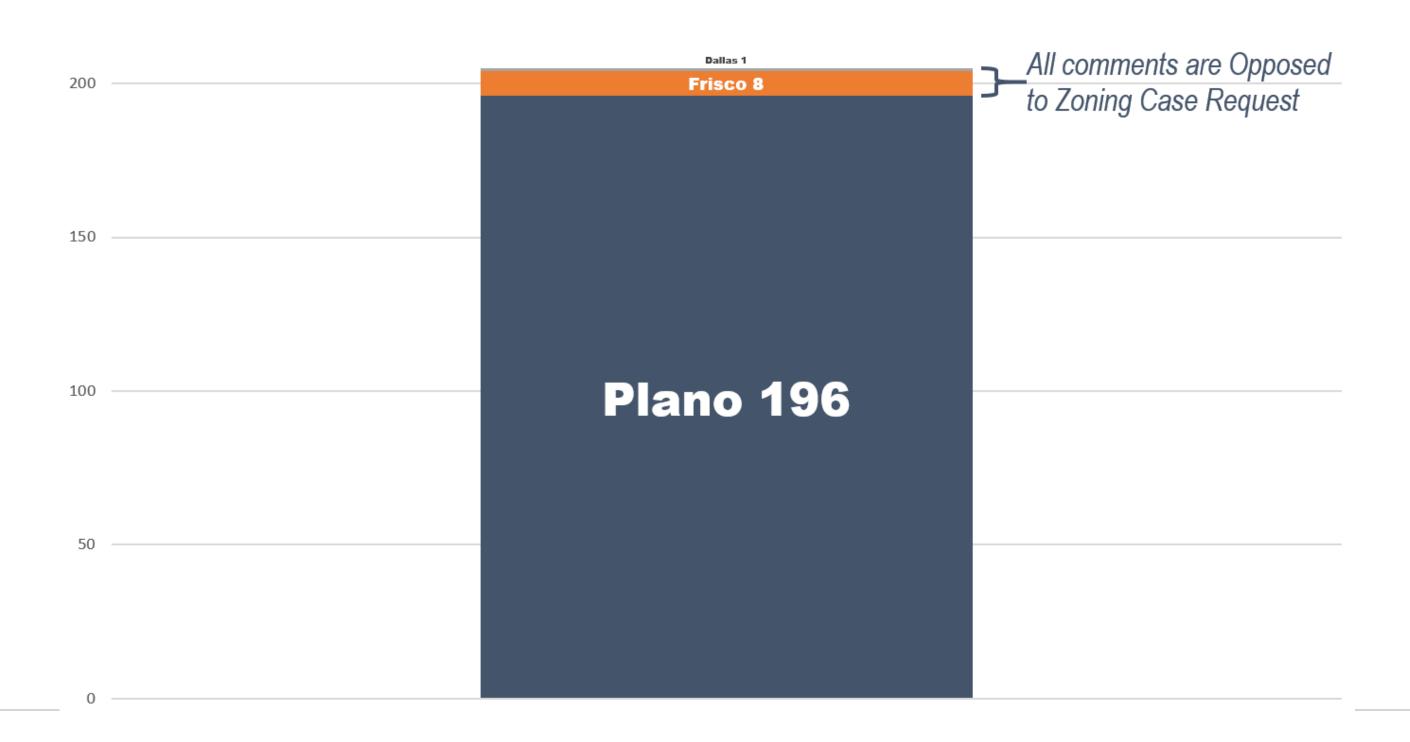
Total Responses per Month





Zoning Case Response Location of Responses

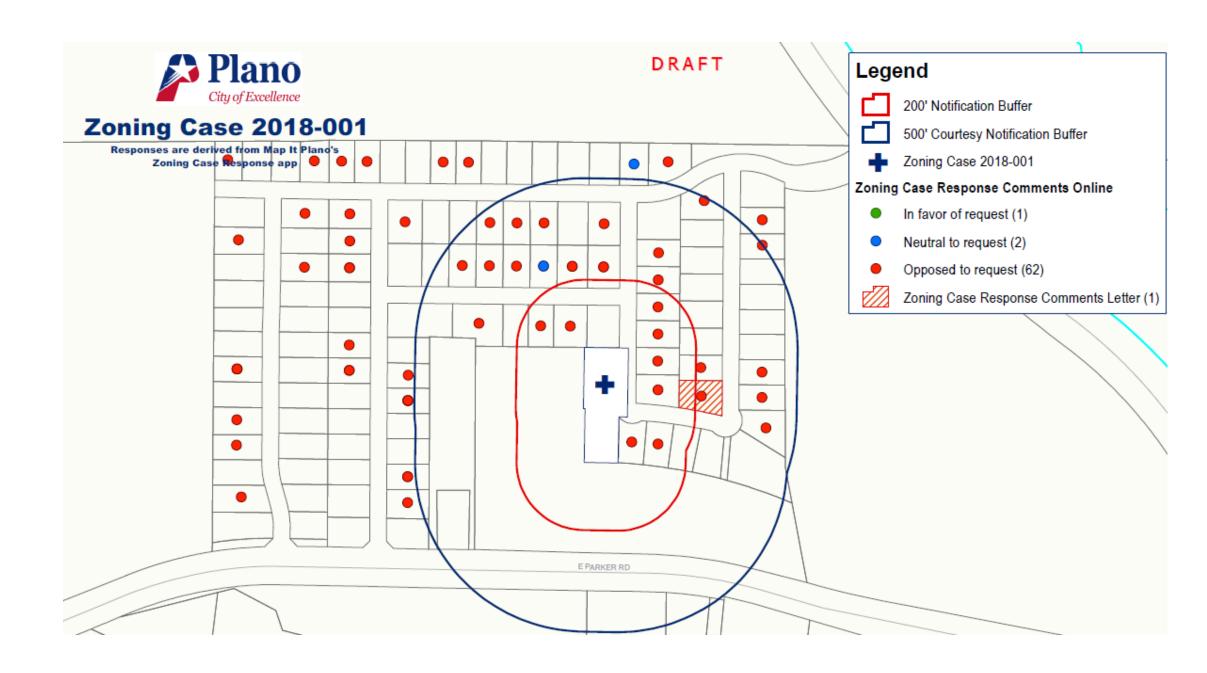






Zoning Case Response – 200 foot Buffer Analysis

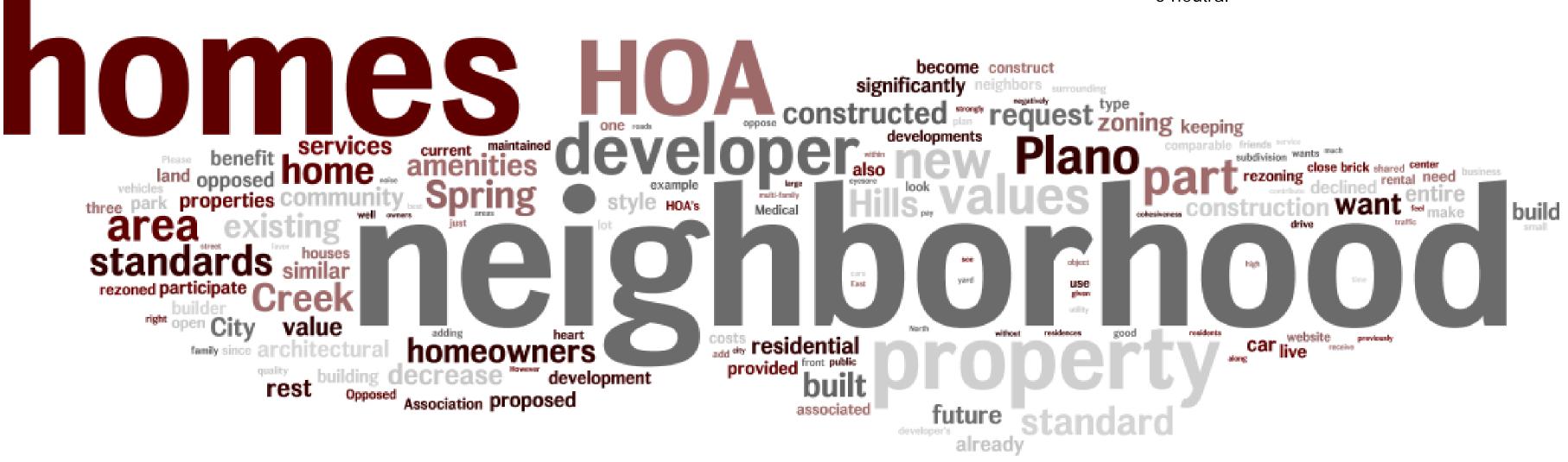
- 205 Total Responses
- 18 of 205 responses within the 200' buffer
- 15 out of 18 responses are located within the 200' buffer of the respective zoning case





Zoning Case Response – 76 Written Comments

67 in opposition 4 in favor 5 neutral





Zoning Case Response

QUESTIONS?

Thank you so much for attending! Enjoy SCAUG!





Thank you

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