



GIS for Project Communication

Haley Salazar | Kevin Babcock

City of Denton

Why?

Multiple Departments with planned construction throughout the City



Difficulty in inquiry response to residents and staff

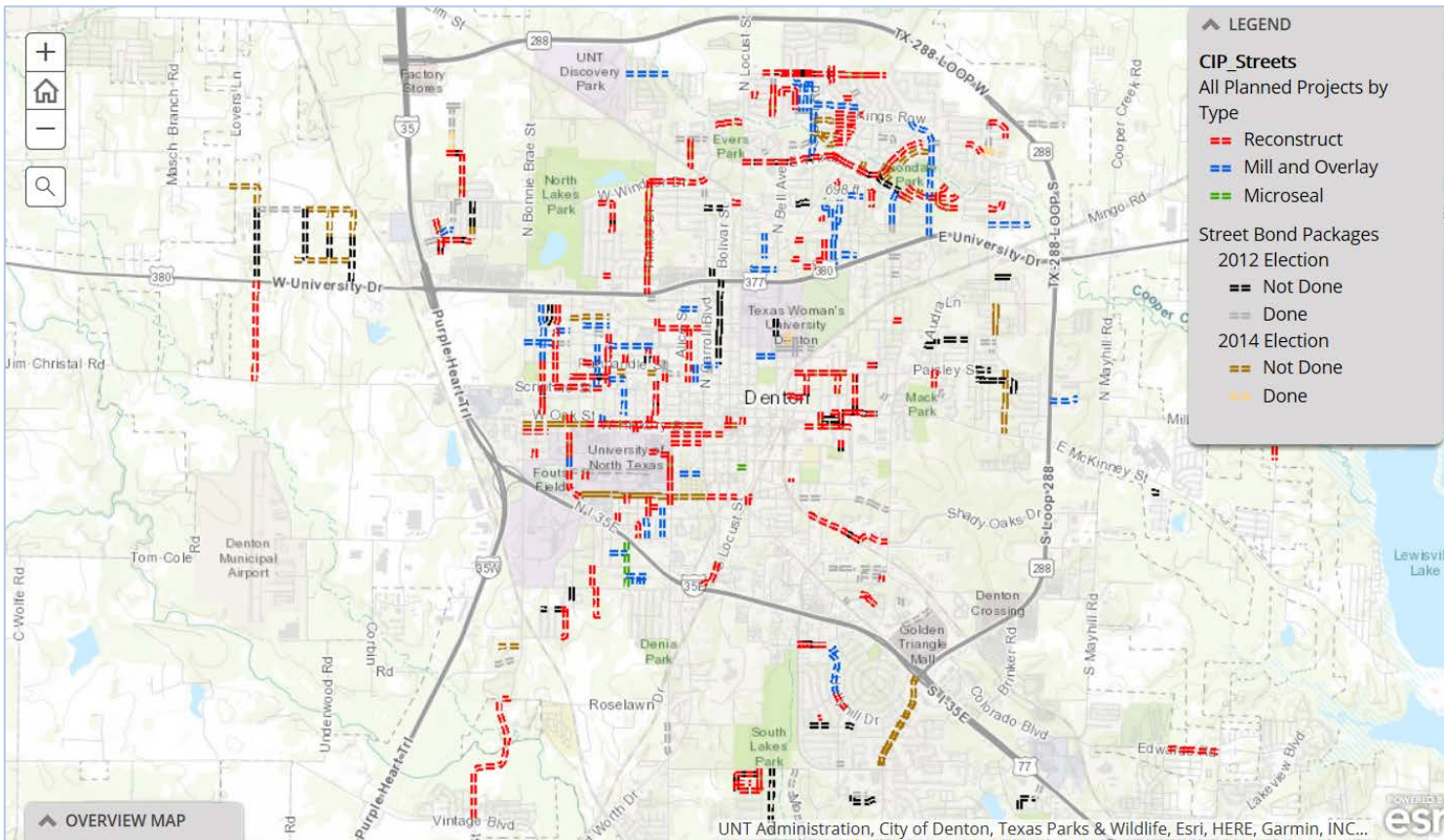
Appearance that City was unaware of issues
Labor Intensive for customer service
Council reference point



Multiple sources of information with different communication objectives

Lengthy back and forth
Stagnant information
Too many reference points

The Precursor



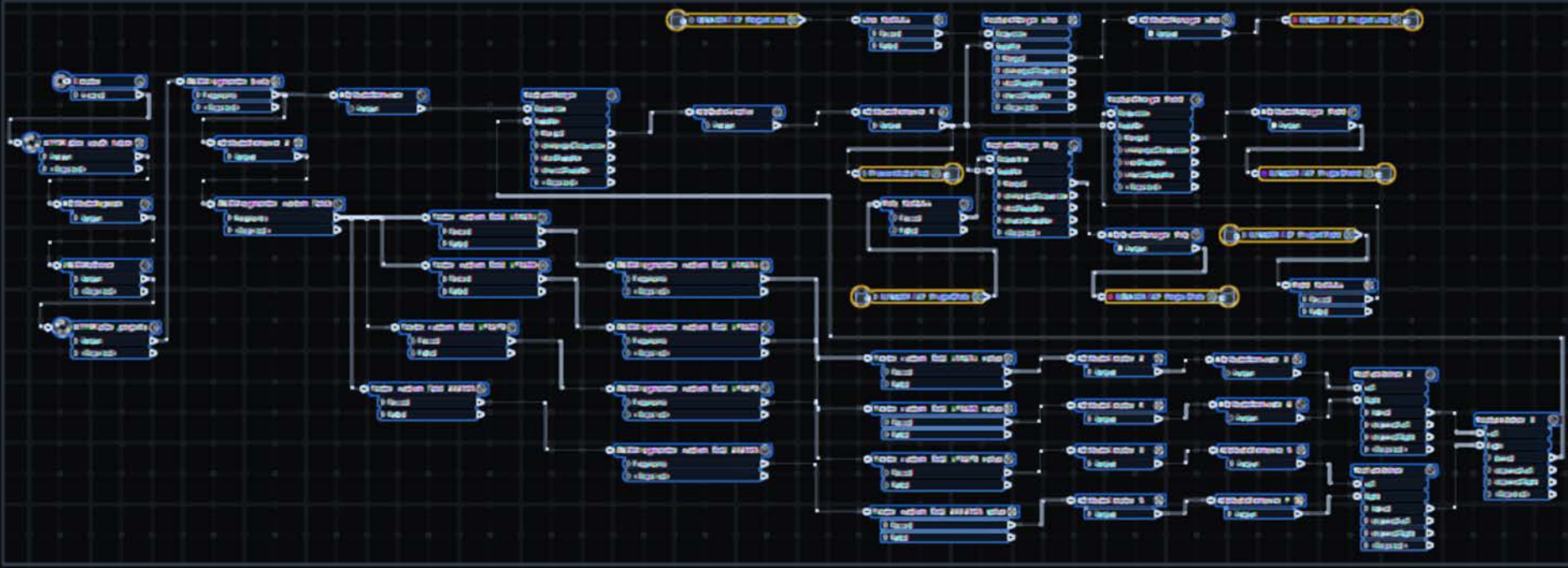
Only consisted of GIS data

Key Contributors

- Water Utilities
- Streets
- Atmos

Objective

- Coordination
- Asset data layering
- Completion status



140+ USERS

3 SQL SERVERS

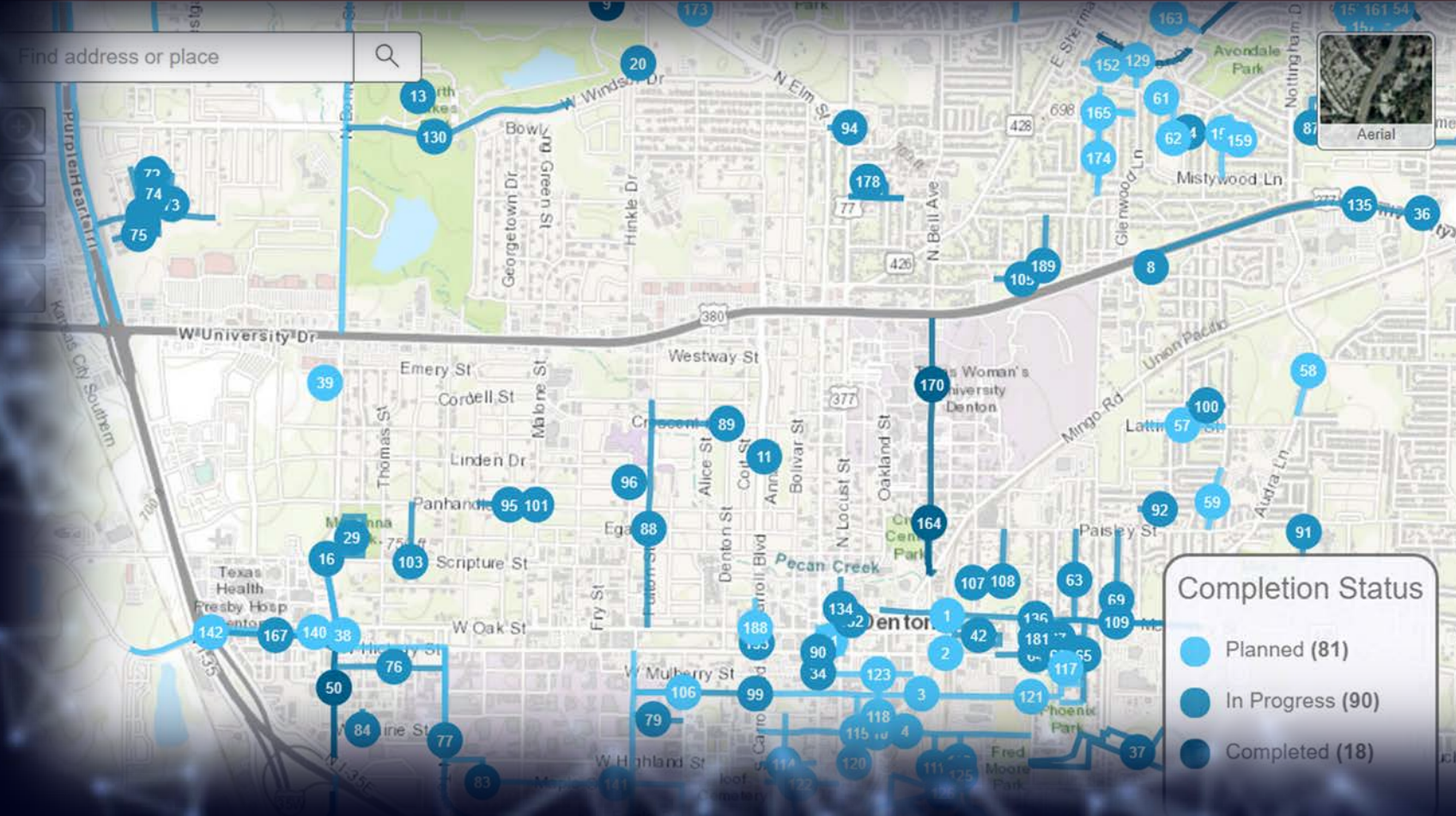
5 WEB SERVERS

3 APPLICATION SERVERS

1 SAAS

Projects and Street Closures

Shows projects that are recently completed, current or planned to be constructed within the next year



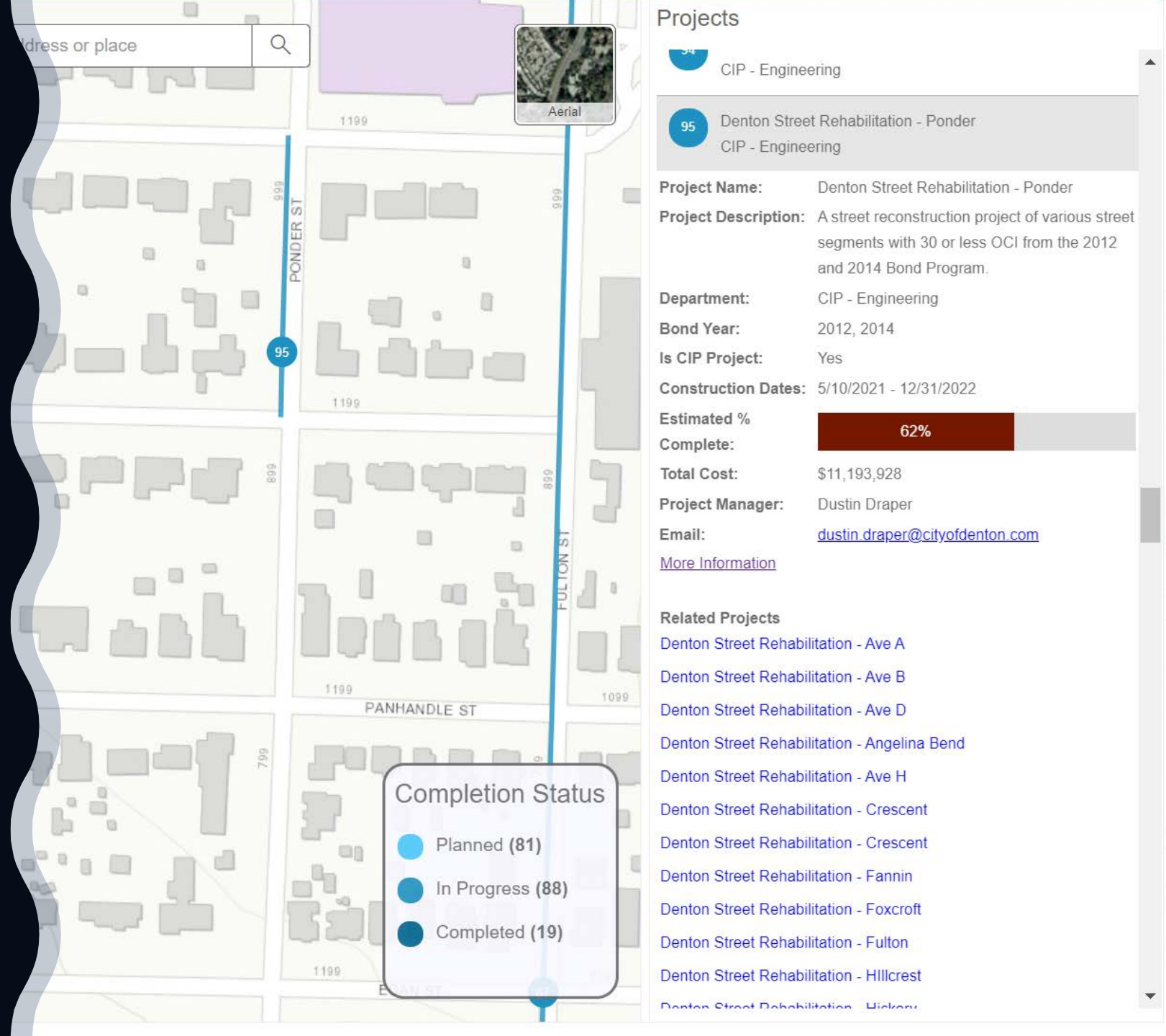
Projects

- 1 Downtown UPRR Quiet Zone (McKinney St to ...
CIP - Engineering
- 2 Downtown UPRR Quiet Zone (McKinney St to ...
CIP - Engineering
- 3 Downtown UPRR Quiet Zone (McKinney St to ...
CIP - Engineering
- 4 Downtown UPRR Quiet Zone (McKinney St to ...
CIP - Engineering
- 5 North Texas Blvd Improvements - Apogee Stadi...
CIP - Engineering
- 6 Cross Timber Park North Playground Replacem...
Parks
- 7 Cross Timbers Park South Playground Replacem...
Parks
- 8 Sequoia Park Playground
Parks

The Map

Data Centralization



- Project Name
- Description
- Department
- Participation in Bond Program
- Capital Improvement Initiated
- Start and End Dates
- Project Progress Indicator
- Budget Information
- Project Manager w/Contact Info
- Link to updates via blog
- Related Projects
 - Driven by Procore



CIP Projects

Create new project
 Edit existing project

Please use the selection tool to select a project



 

Project ID
1620054047

Project Name
LOFT -Olympia Dr

Project Description
Reconstruction of multiple 2019 Bond street segments.

PMO Number
210001-2

Start Date*  End Date* 

Project Manager
Kyle Pedigo

Contact Email
Kyle.pedigo@cityofdenton.com

JDE Account
<Null>

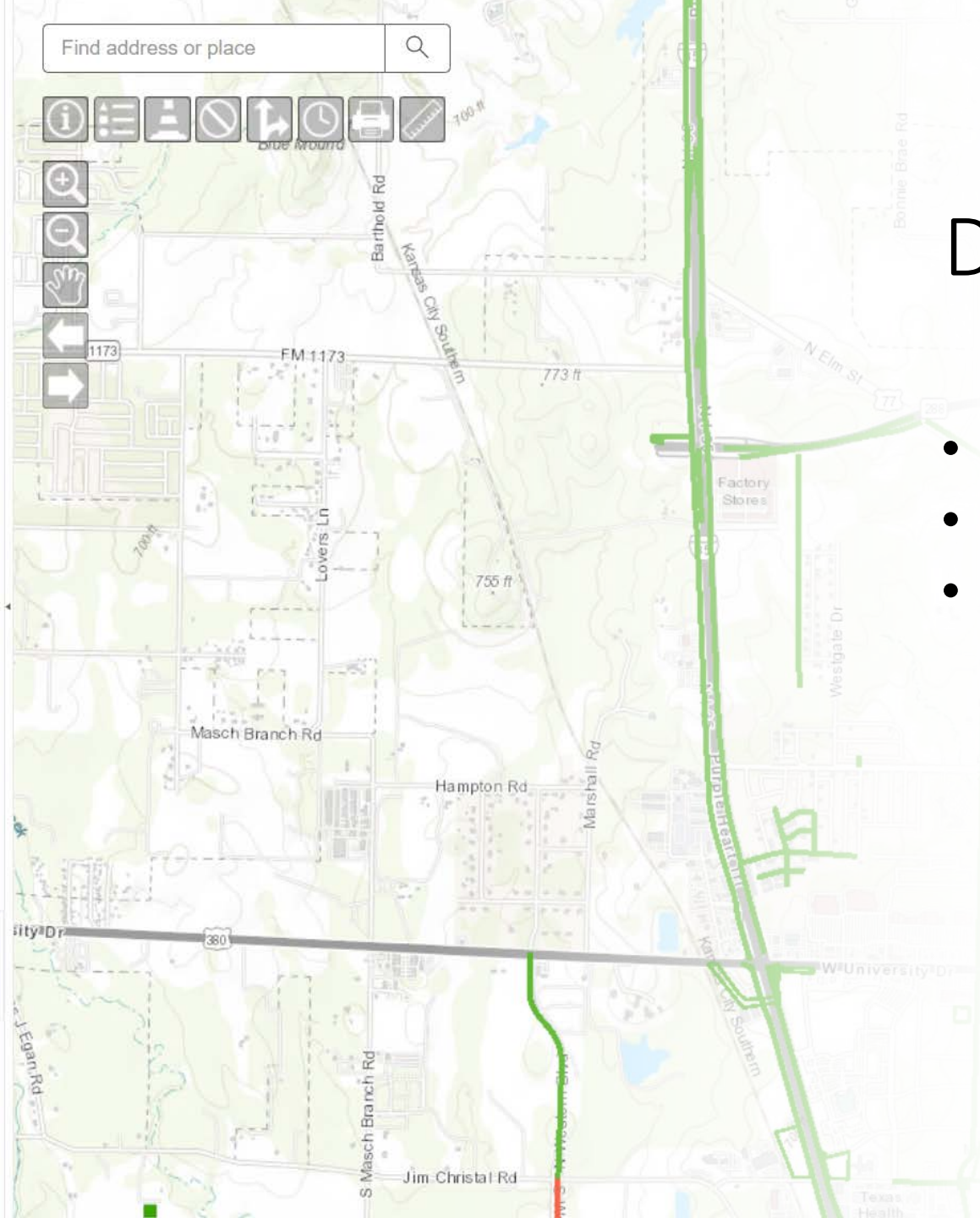
Total EAC
1550000

Department
CIP - Engineering

Bond Year
 2019
 2012
 2014
 N/A

CIP
Yes

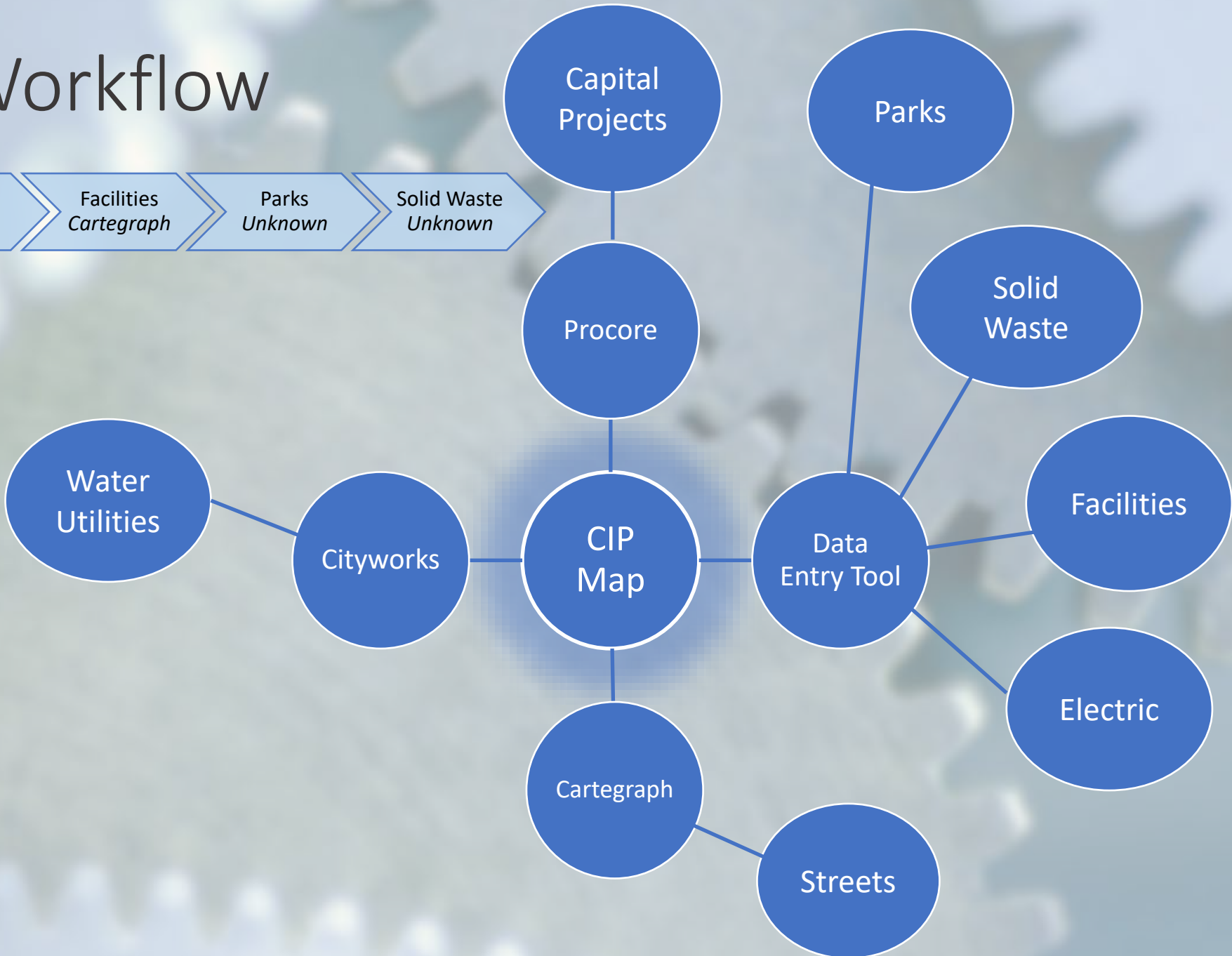
More Info Link
<https://www.discussdenton.com/loftproject>



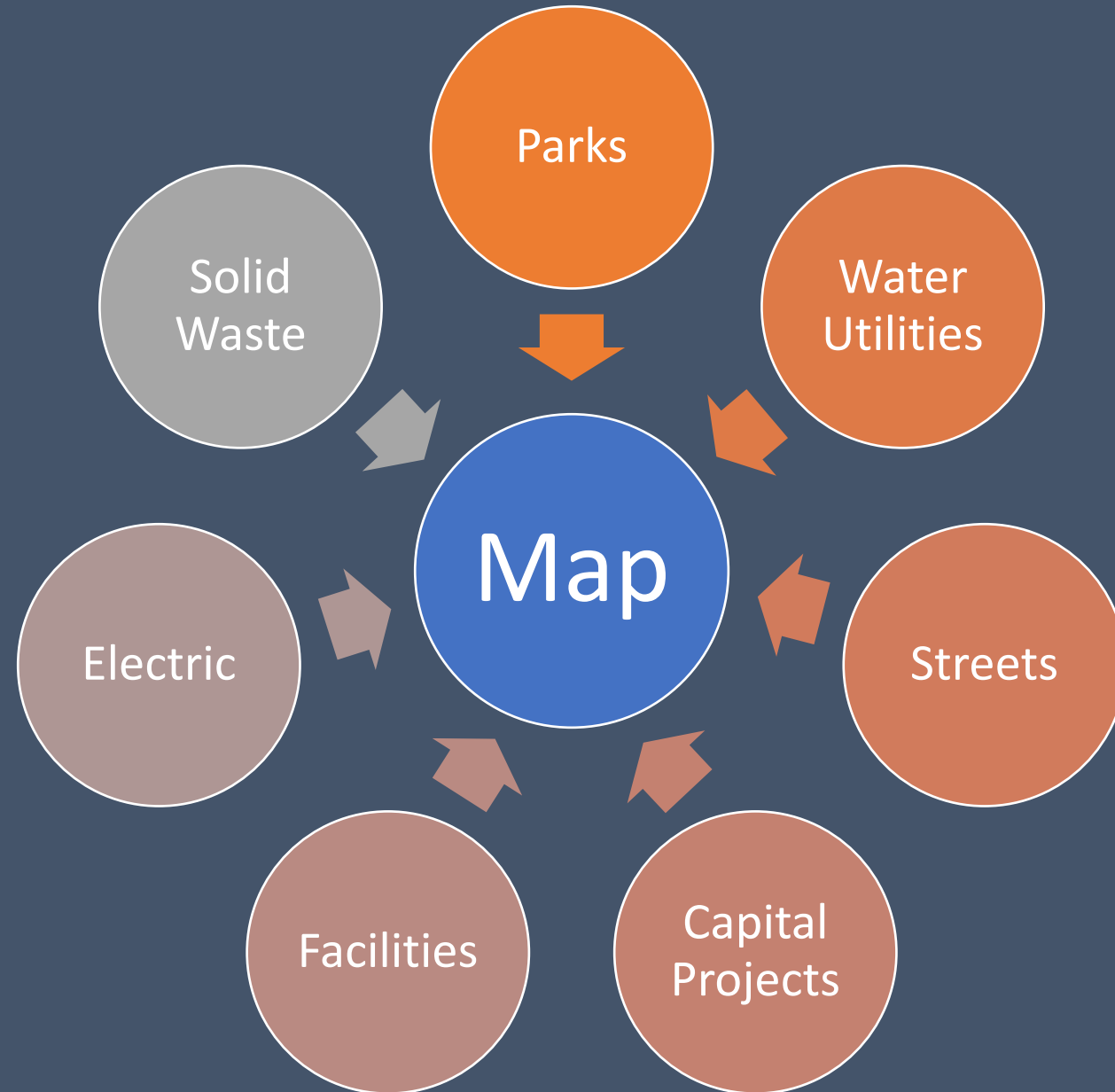
Data Entry Tool

- Ease of use
- Non-technical staff
- No software required

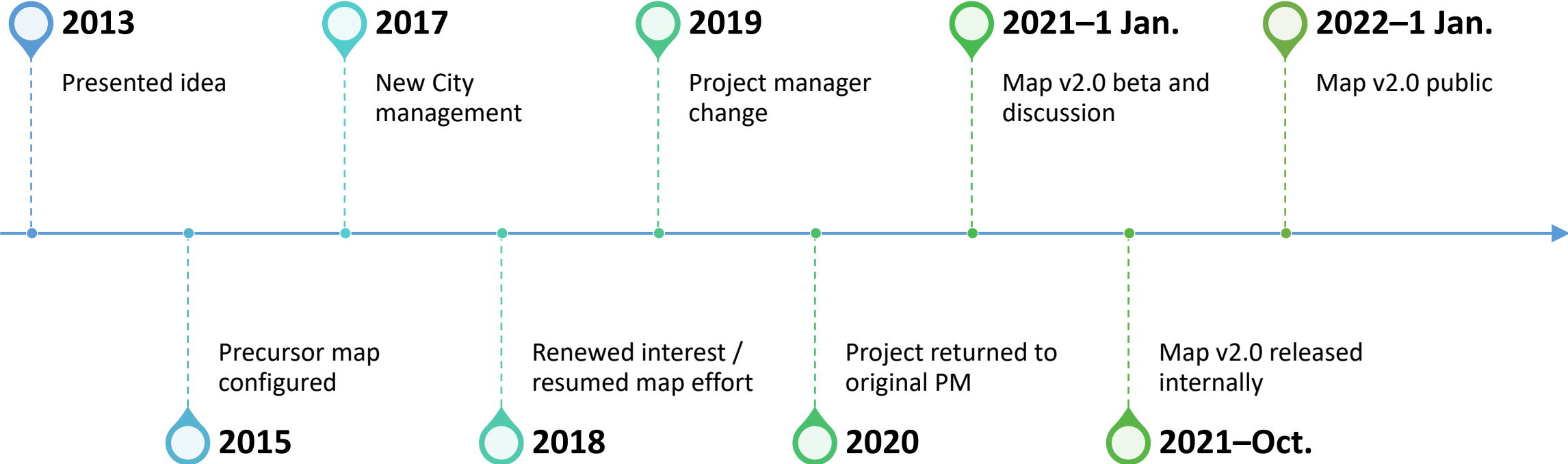
Integrations Workflow



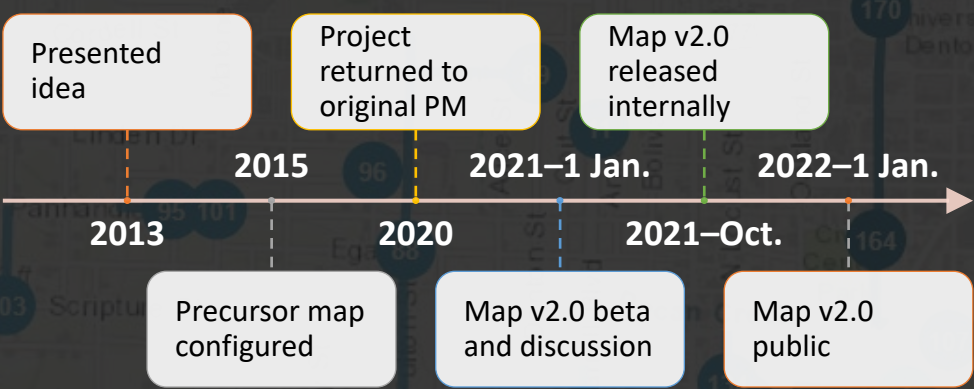
Collaboration



Timeline

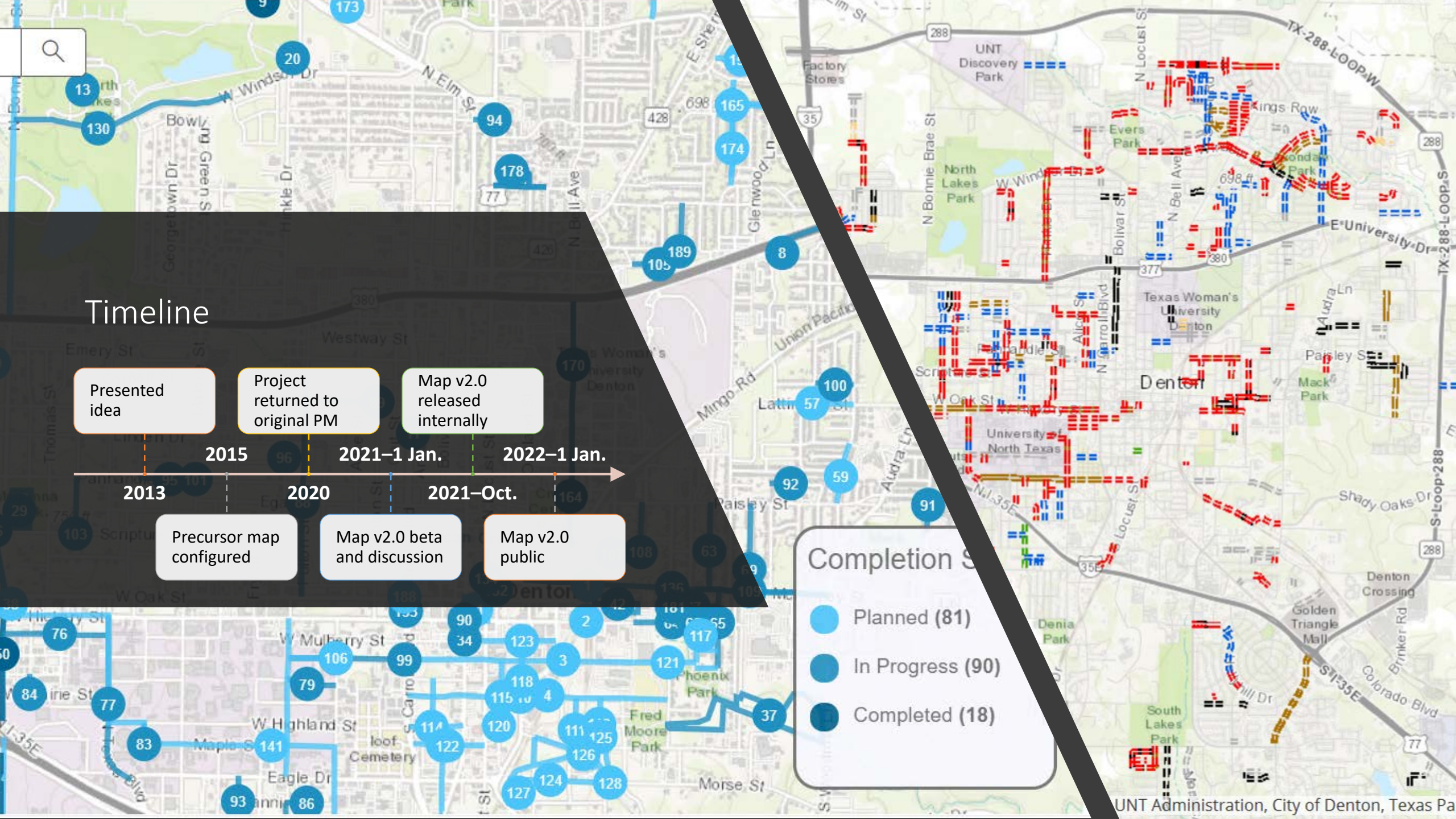


Timeline



Completion Status

- Planned (81)
- In Progress (90)
- Completed (18)



Buy-in phase

Back-and-forth phase

Everyone has their say phase
The longest phase

Proof of Concept to final – 12 months

- Naming of things
 - What is CIP per department?
 - Planned vs Proposed
 - In Progress vs Current
- Symbology
 - Red is offensive
 - Yellow is passe
 - Hues of blue is true
 - Color blindness consideration
- Date ranges
 - Every system has dates
 - What is THE start date?
 - What is THE end date?
 - History of obfuscation of dates
 - TBD, 12/31/25, Q3 2022, etc.
- Timeframe
 - What shows when and for how long?

Leadership support was critical

Non-technical communication



Questions

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