

Meeting Notes

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This outlines the discussion of Prof. Sarah and William on July 2 2025. It discusses the current situation/challenges of the geocoding project and proposes solutions.

1 Current State

- We are close to finishing there is a maximum of 52 places unmatched.
- The 52 places can be sub categorized based on severity of the mismatch.

Match

- State/ZIP level->City/Exit level -> Road Level -> [Place Name Level](#)
(Section [1.1](#))

1.1 Place Name Level Mismatch (36 places)

- For example, “Three sisters truck stop at I-10 Exit 61, AZ, 12345, San Luis”.
 - Match found for “I-10”, “Exit 61”, “AZ”, “12345”, “San Luis”.
 - No match for “three sisters”
- Previous discussions mention this can be defined as a match since it matches down to the “road level”
 - William raises concerns because of Inconsistency of address matching. Inconsistencies can be categorized into 2 categories.
 - * Unexplained inconsistencies
 - [Minor](#) (Figure [1](#)) – 0.1 mile discrepancy
 - [Major](#)(Figure [2](#) and Section [1.2.1](#)) – 6.2 mile discrepancy

- * Direction of exits matter. The current approach does not take this into account.
- Solution discussed is to use Google address vs Truckers friend address to verify
- **Tight Definition of Matching:** theres only a match for city/exit/ state. Zipcode level
 - 16 places are unmatched using stricter criteria.
 - Theres at least 3 that arent findable

This is a note. Use it to highlight useful or additional information.

1.2 Appendix

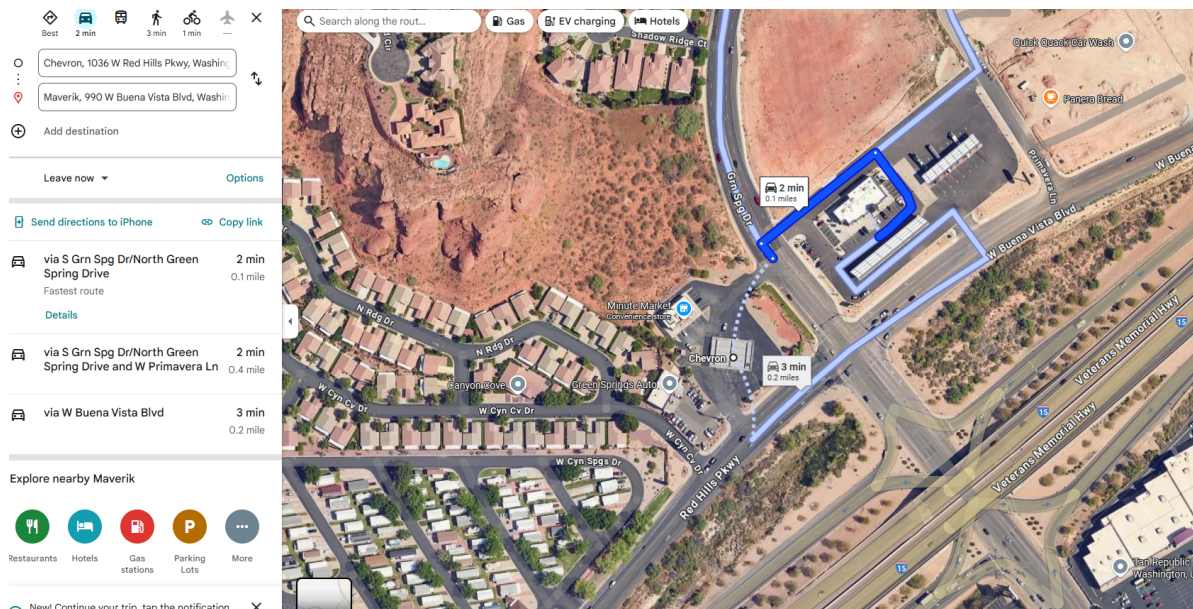


Figure 1: Minor Mismatch

1.2.1 Major Mismatch Details

Truckers friend gives us the following address “Circle K, 23260 Hwy 95, San Luis, 85349” if we query this in Google map we are lead to an address “23260 US-95, Somerton, AZ 85350, USA”

Note $85349 \neq 85350$

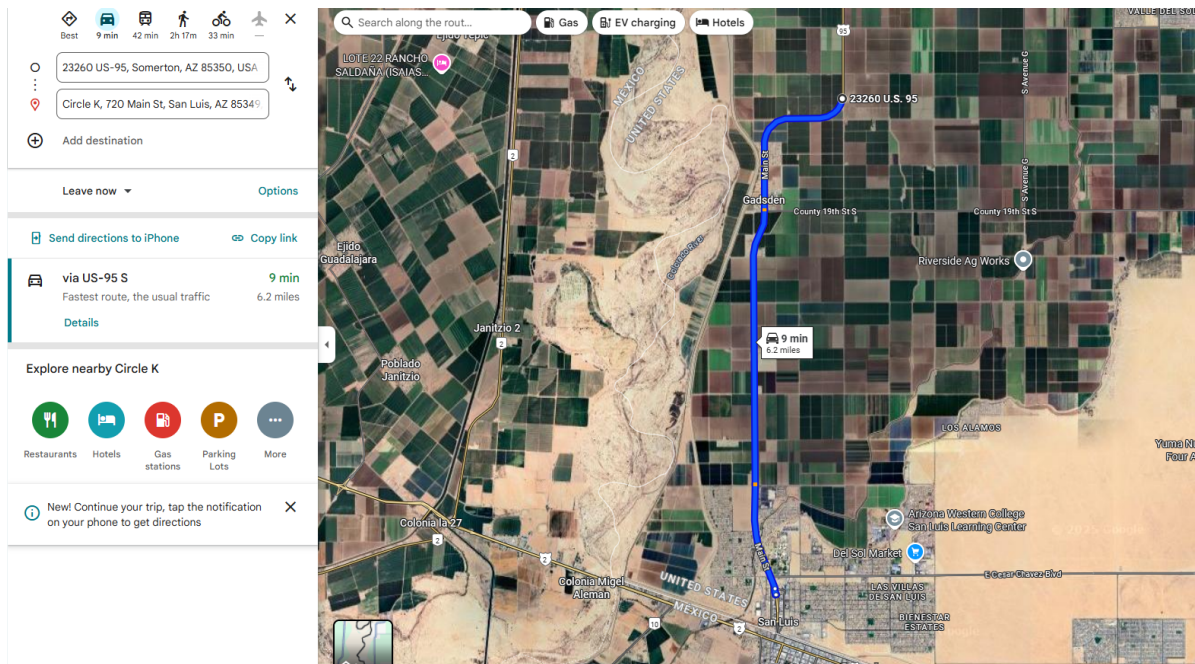


Figure 2: Major Mismatch