



## 110<sup>th</sup> and Quivira TRAFFIC SIGNAL INSTALLATION

Overland Park, KS

City Project Number: MT-3217

### DESIGN DECISIONS:

Each corner has some R/W available, should help with Signal placement

Currently SW Corner's southbound sidewalk is outside of R/W and NW Corner's northbound R/W is outside of R/W, may affect easement

Keep design within Existing ROW – Assume easements x4 – depending on need / type

Lane Configuration – Leave as existing on both legs

FYA currently for N/S, split phasing is currently taking place due to the thru/left. Will provide longer mast arms in the event the City would like to go perm/protected phasing in the future

Assume Directional Ramps to be installed at corners of the intersection where not prohibited by geometrics

Medians may need to be pulled back based on placement of ramps

4'x4'x6'deep potholing – for all 4 mast arm

### Traffic Signal

Cabinet Type                      ATC Double Wide

- Traffic Signal Cabinet: New
- Streetlight Cabinet: Did not see, Shawn to send over plans
- Communication: Running down median currently, plan to run 6ct over to new cabinet location, plan to coordinate with IT

Controller                              Rackmount

Detection

- Advance                              Yes, N/S
- Presence                              Yes, all directions
- EVP                                      Yes, all directions

Phasing                                  Provided by City

CCTV                                      None

Back-up Power                      None

Service Connection              Existing utility pole in SW corner

Street Name Sign                  Flat sign

Luminaires                      Likely to place new twin luminaires in median  
Ped Crossings                All directions

All new equipment for signal - Yes

Remove signal poles from Median – Yes

Overtracking – Not evident in sitewalk

### **UTILITIES:**

Exhibit 2-7A is current list (see link below)

[https://ppm.opkansas.org/wiki/index.php/Phase II - Preliminary Design#Task No. 7 -  
Initiate Utility Coordination. Schedule Utility Meeting \(optional\)](https://ppm.opkansas.org/wiki/index.php/Phase_II_-_Preliminary_Design#Task_No._7_-_Initiate_Utility_Coordination._Schedule_Utility_Meeting_(optional))

Gas running along back of sidewalk on west side of road

Overhead may be a concern

See utility issues in map attached

### **ADDITIONAL NOTES:**

All PDFs shall be Full size 22x34s

Ramp Details (show PBs and Foundations) – all 4 corners.

Follow 2023 MUTCD update

### **SCHEDULE:**

**Assuming June 11 NTP, survey done by Sept 3rd**

Funding source - All City Funds.

Reviews –

- 30 – Pole / Cabinet / PB locations – Field walk through - Sep 22
- 60 – Everything but details + Estimate – Oct 27
- 95 – All done + Estimate – Dec 22
- 100 – Sealed + Estimate – Feb 16

### **ACTION ITEMS:**

**Overland Park**

**Street lighting plans**

**As-Builts**