

# East Lafayette Transportation

Prepared for the East Lafayette  
Advisory Committee  
October 2018

# Traffic Study Data Collected to-date

- **Traffic Counts**
  - In Summer, without Peak to Peak Traffic
  - During School, with Peak to Peak Traffic
- **Parking Utilization Studies for Comparisons**
  - Josephine Commons & Aspinwall, Lafayette
  - Kestrel, Louisville

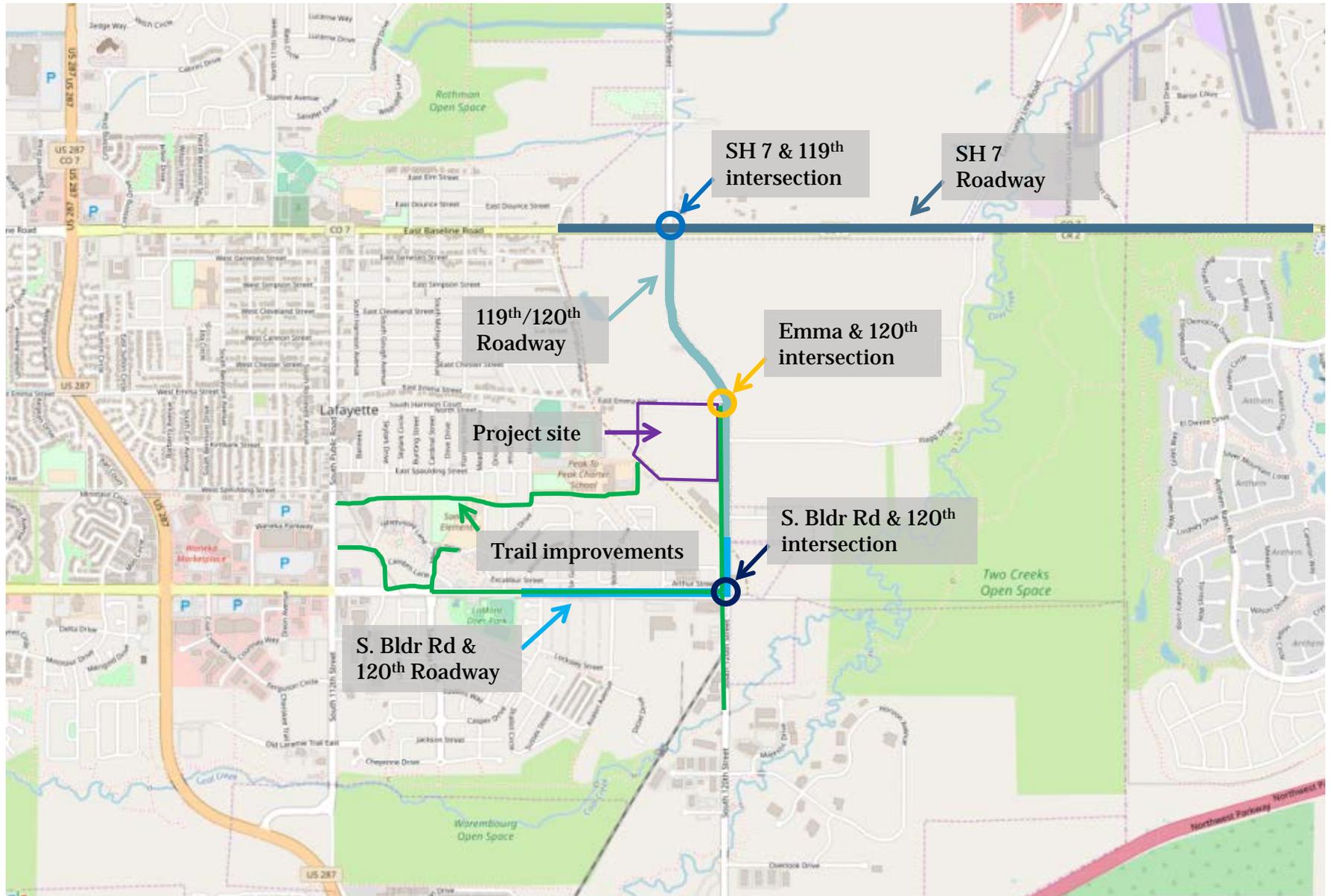
# Traffic data preliminary observations

- **Traffic Patterns**
  - Morning peak (7:15am – 8:15am) matches anticipated peak of East Lafayette neighborhood.
    - This is the most challenged time of day.
  - Afternoon peak is more spread out - Peak to Peak traffic (3pm-4pm) is earlier than East Lafayette neighborhood (4pm – 6pm).
- **Providing alternative access for Peak to Peak traffic to 120<sup>th</sup> will improve all intersections.**

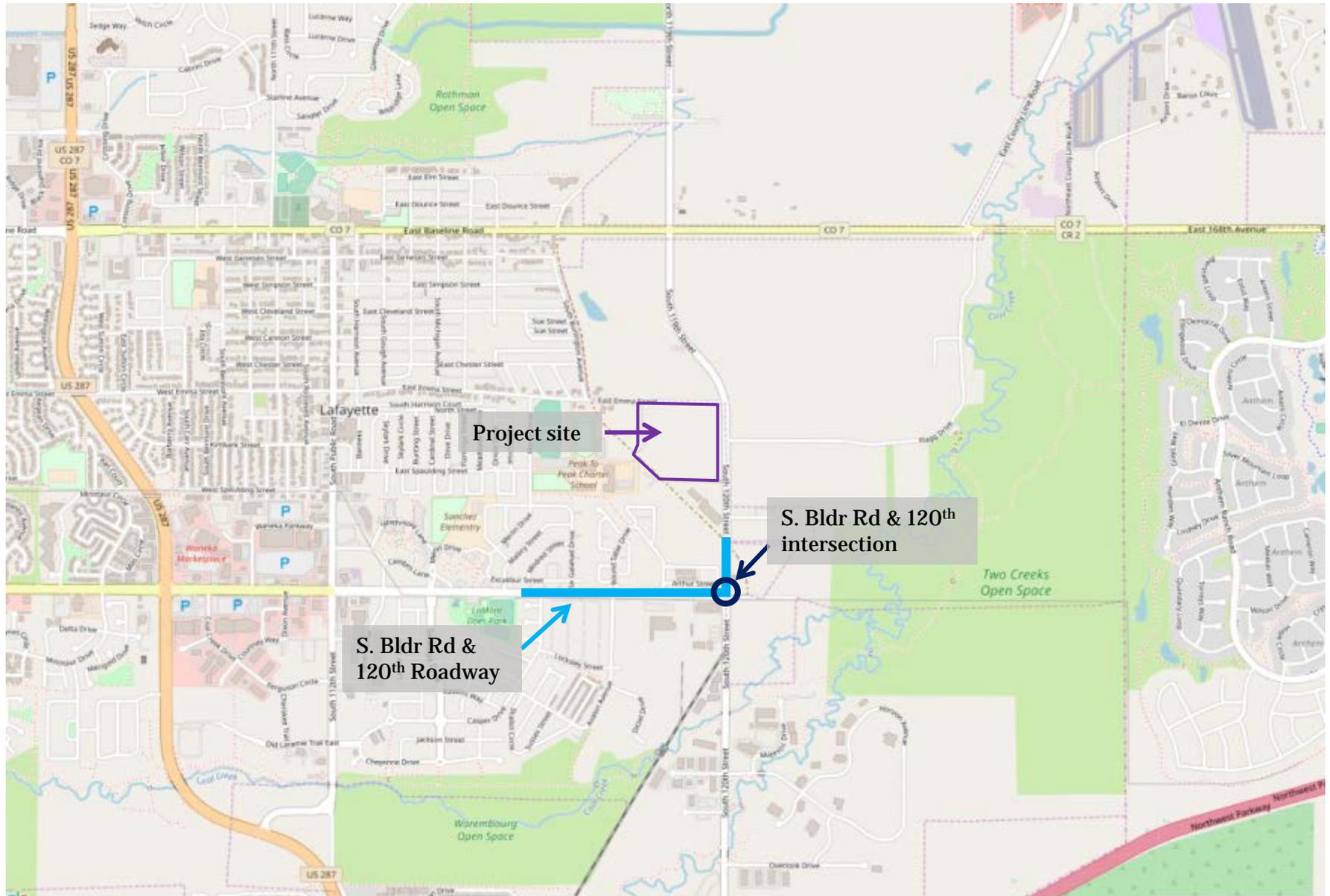
# Traffic data preliminary observations

- At all levels of development, East Lafayette neighborhood will improve the level of service.
  - Current intersections are taxed, but have not justified necessary improvements.
  - East Lafayette Neighborhood should warrant key improvements in the area:
    - Emma & 120<sup>th</sup> signal
    - 120<sup>th</sup> St widening
    - Additional outlet for Peak to Peak traffic
  - **The improvements from the East Lafayette Neighborhood will likely improve the current traffic situation.**

# Planned transportation improvements



# South Boulder Road & 120<sup>th</sup> improvements



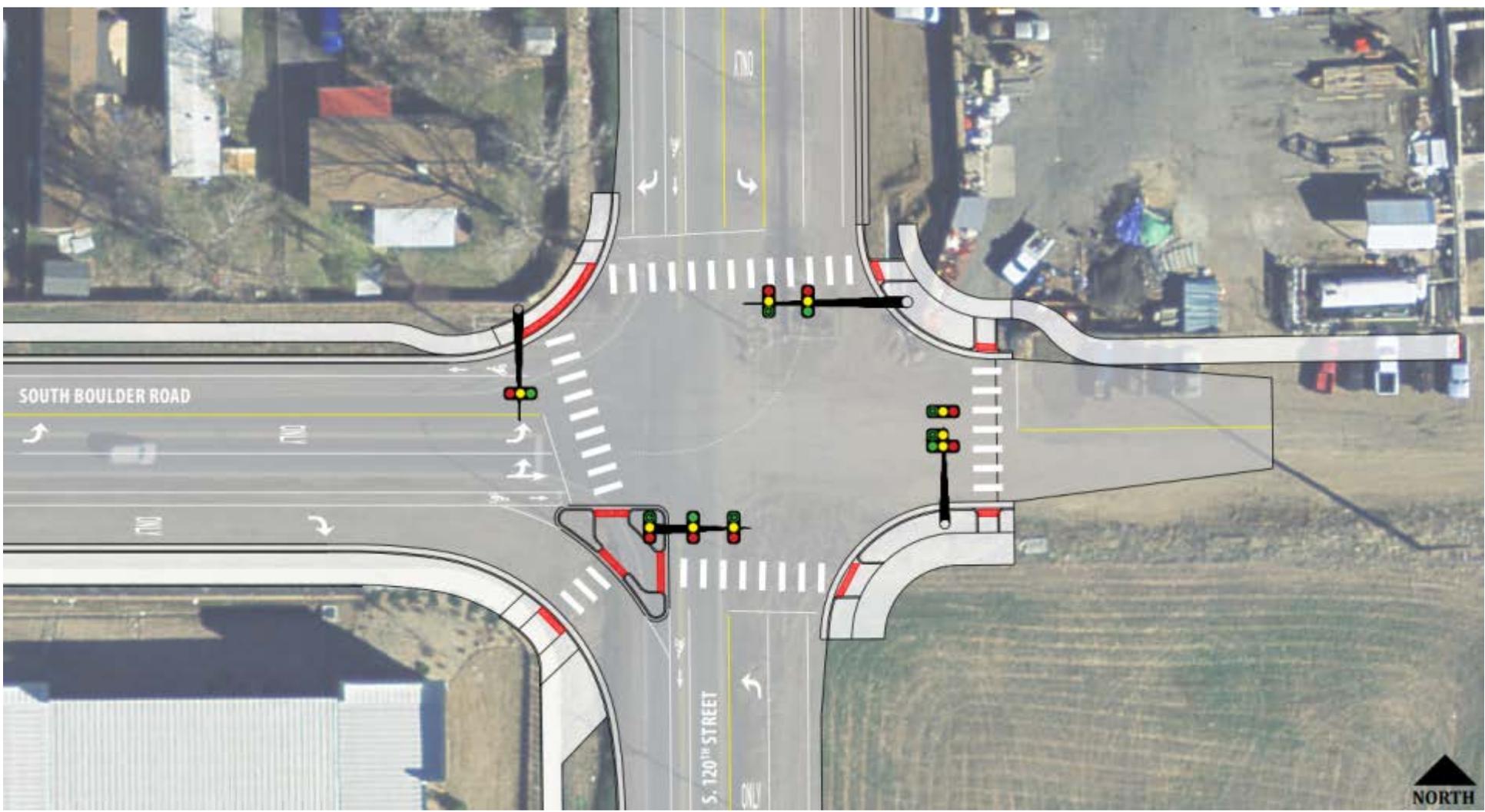
# South Boulder Rd & 120<sup>th</sup> Overview

- **Project includes**
  - Widening of South Boulder Road from Malory Street to 120<sup>th</sup> Street, including multiuse path and sidewalks.
  - New multiuse paths along Merlin from S. Bldr Rd to Sanchez Elementary and along Front Range Dr to the RTD Park-n-Ride.
  - New Signalized intersection at S. Bldr Rd & 120<sup>th</sup>.
- **Funding/Timing**
  - Funded through CDOT, Boulder County, & City of Lafayette.
  - Construction anticipated Summer 2019.

# South Boulder Rd & 120<sup>th</sup> Intersection - Existing



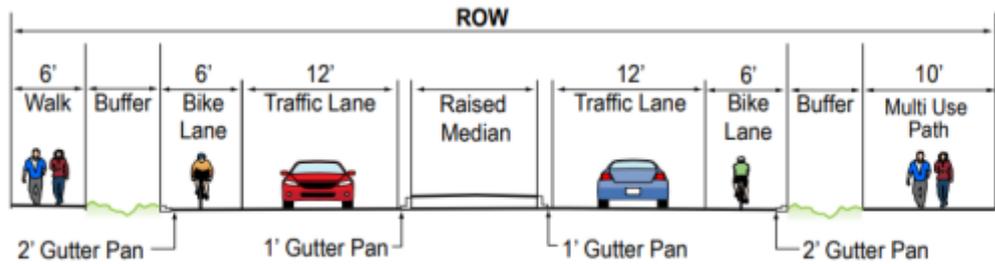
# South Boulder Rd & 120<sup>th</sup> Intersection - Improved



# South Boulder Rd street improvements (Malory to 120<sup>th</sup>)

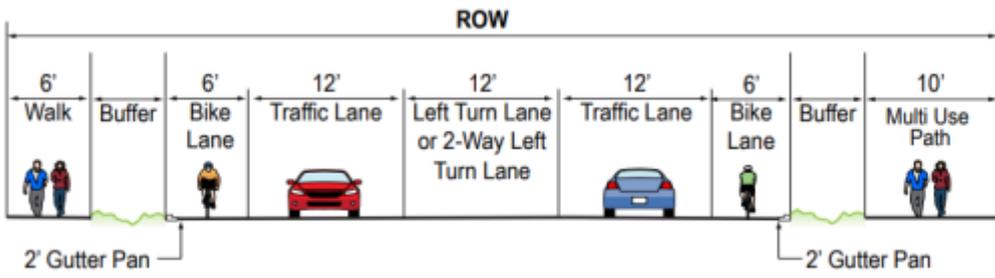
**BETWEEN INTERSECTIONS**

Two Lanes, Raised Median, Bike Lanes, Detached Sidewalk and Multi Use Path



**NEAR INTERSECTIONS**

Two Lanes, Left Turn Lanes, Bike Lanes, Detached Sidewalk and Multi Use Path

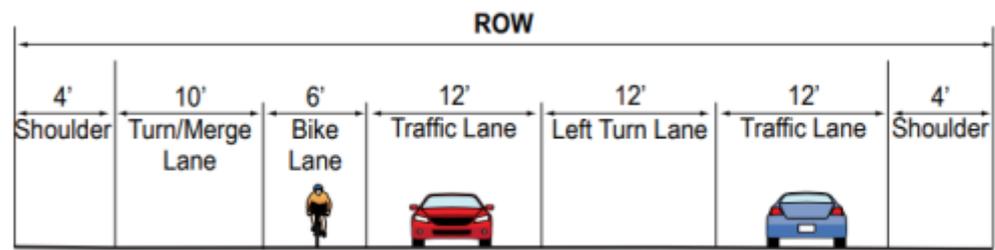


Project site

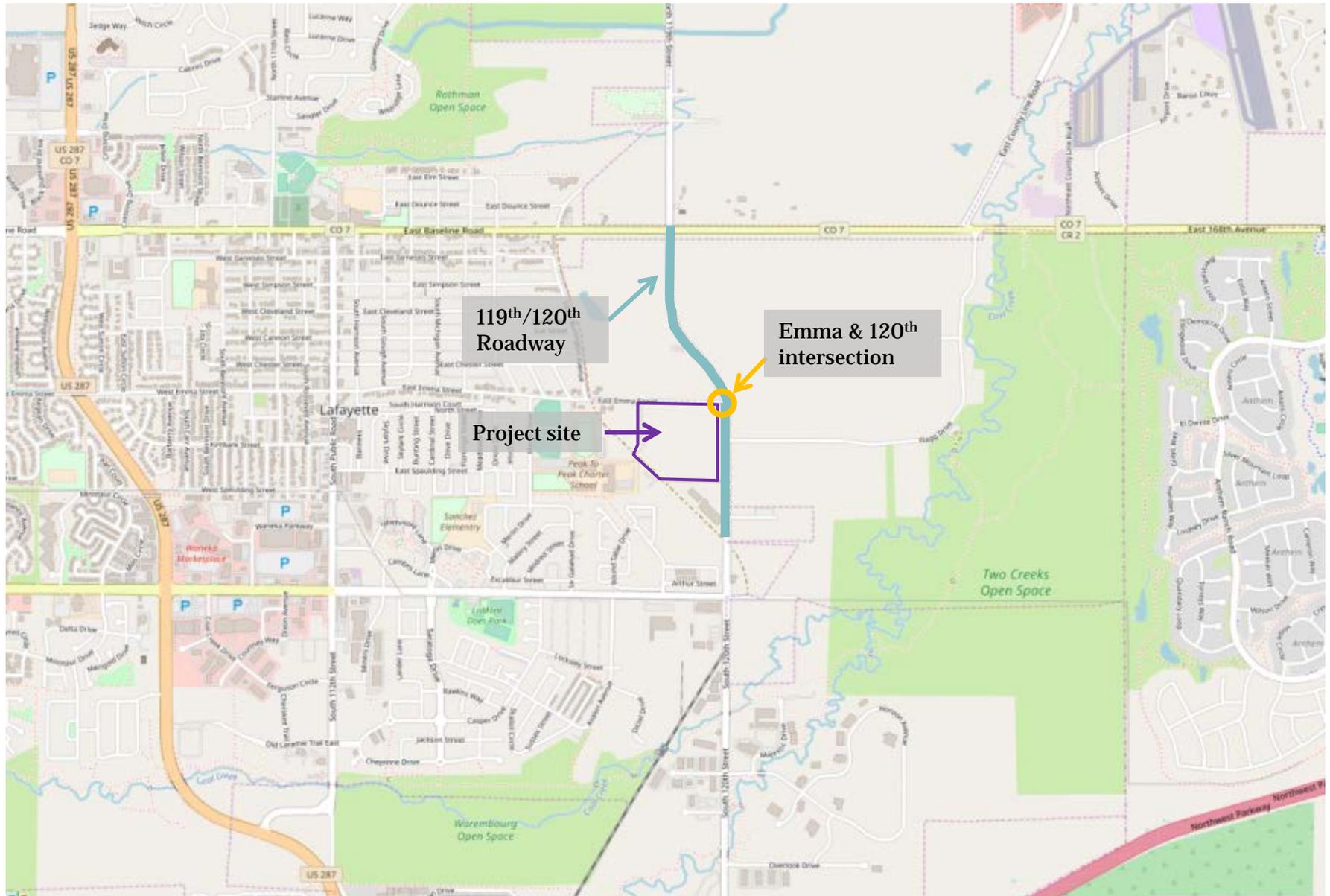
S. Bldr Rd street improvements

# 120<sup>th</sup> St street section improvements (S Boulder Rd to Burlington Trail)

**120TH**  
Two Lanes, Left Turn Lane, Bike Lane



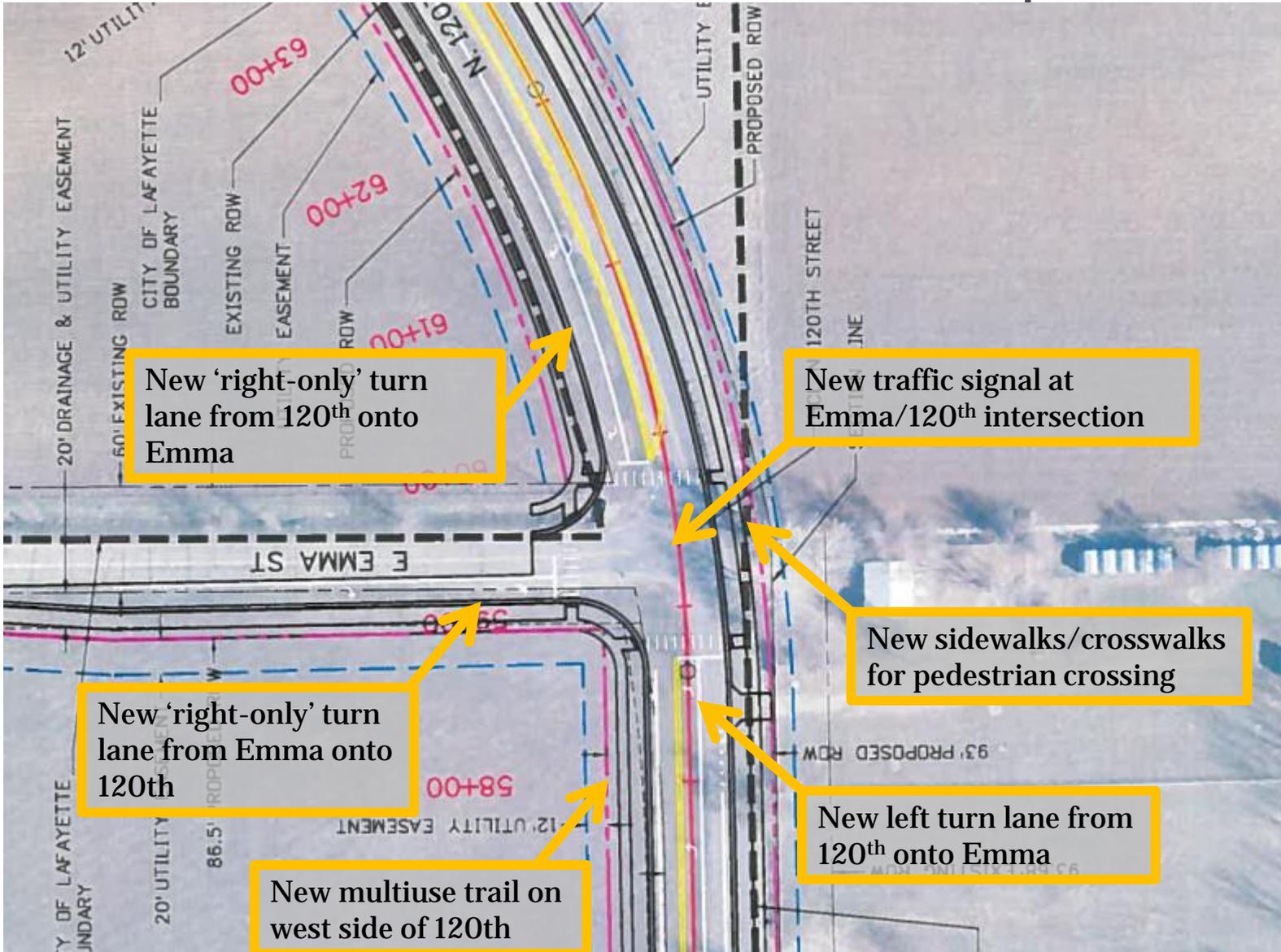
# 119<sup>th</sup>/120<sup>th</sup> Roadway improvements



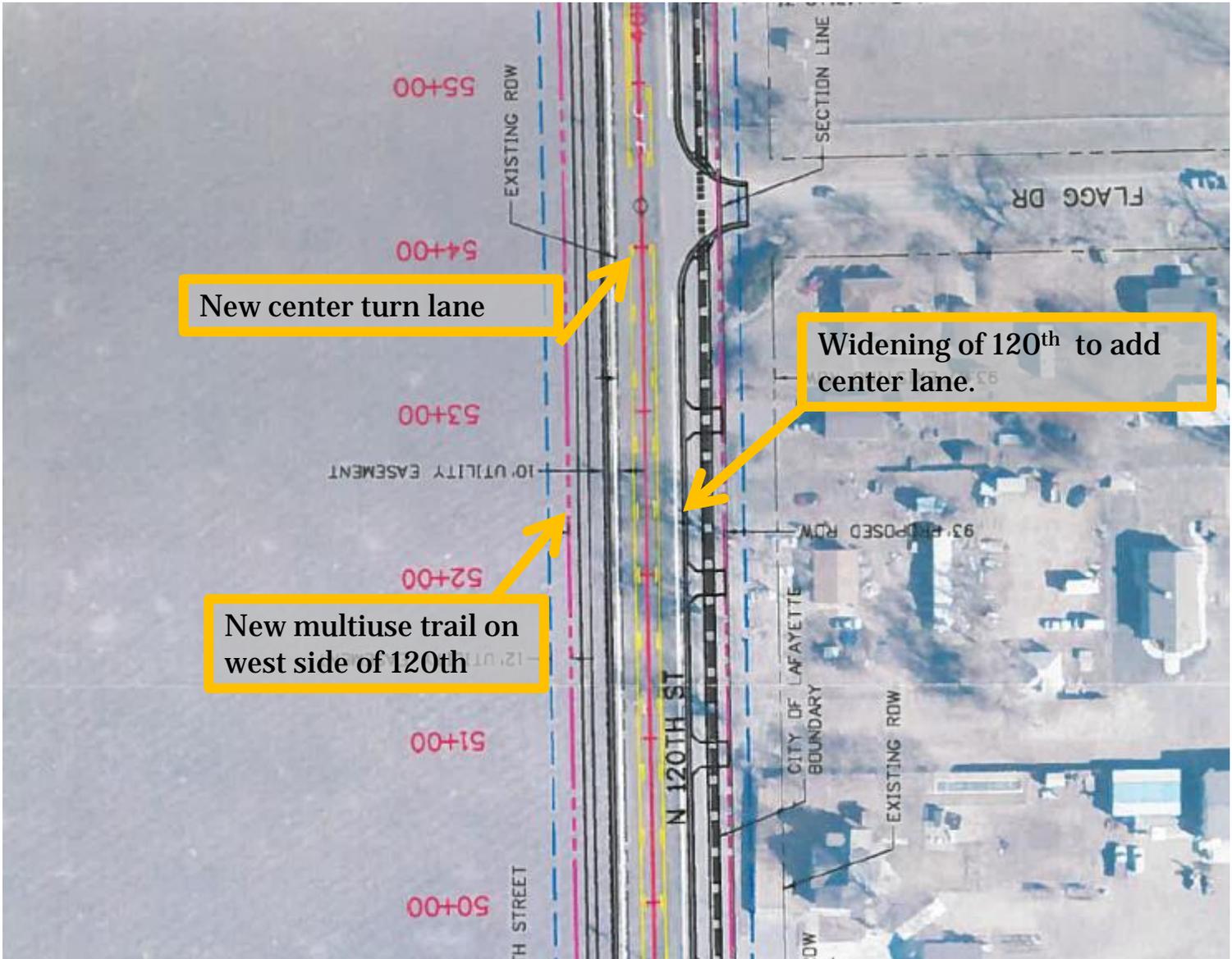
# 119<sup>th</sup>/120<sup>th</sup> Street improvements

- **Project includes**
  - Widening of 120<sup>th</sup>/119<sup>th</sup> from S. Boulder Rd to Baseline (CO 7).
  - New signalized intersection at 120<sup>th</sup> St & Emma St.
  - Additional right-turn lane on Emma St at 120<sup>th</sup>.
  - Multiuse trail on west side of 119<sup>th</sup>/120<sup>th</sup>.
- **Project timing**
  - The East Lafayette Neighborhood likely warrants all of these improvements.
  - Construction is likely concurrent with East Lafayette neighborhood (2021).

# Emma Street & 120<sup>th</sup> intersection improvements



# 120<sup>th</sup> Street improvements

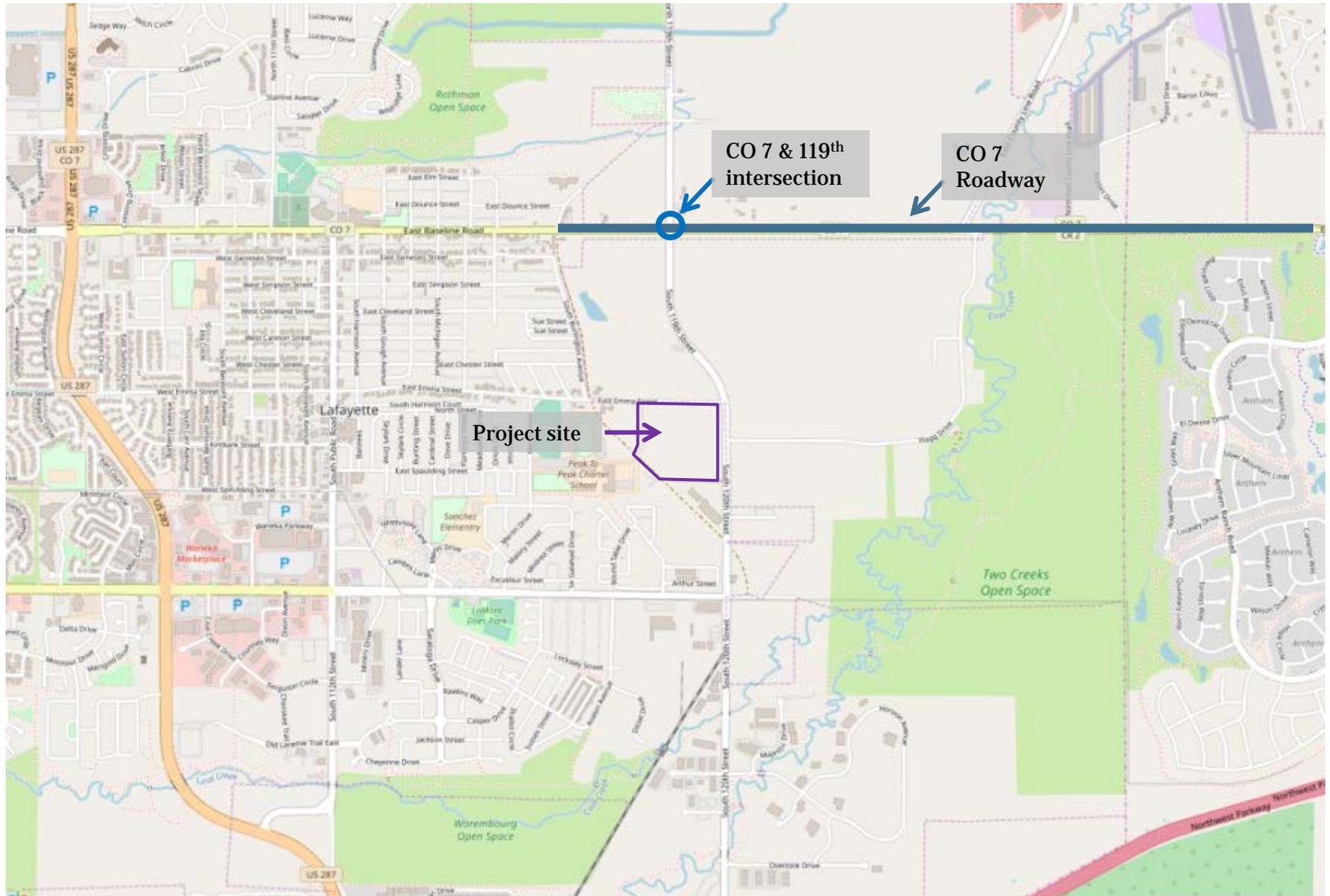


New center turn lane

Widening of 120<sup>th</sup> to add center lane.

New multiuse trail on west side of 120th

# SH 7 (Baseline) Improvements



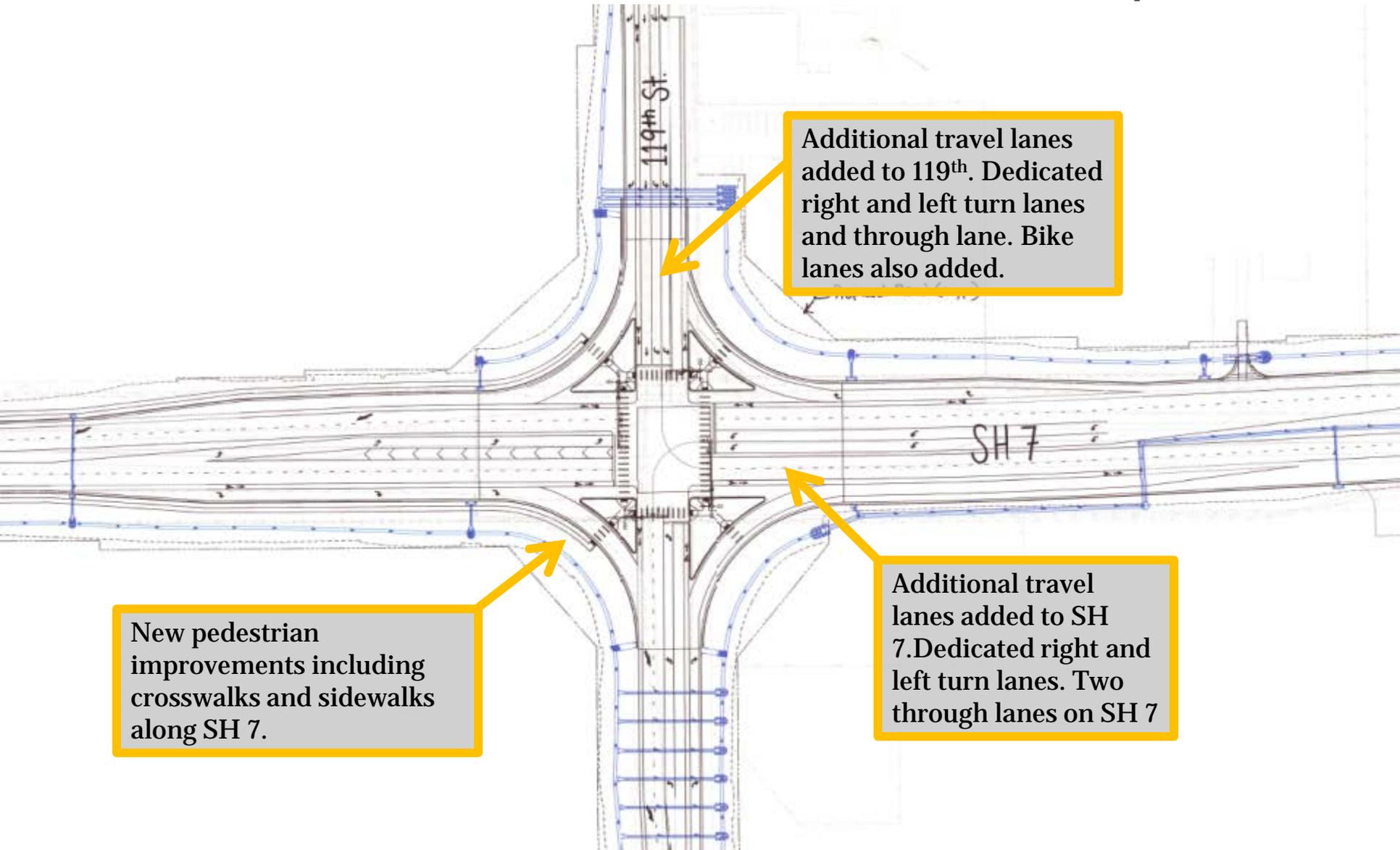
# SH 7 (Baseline) improvements

- **Project includes**
  - Improved intersection at CO 7 & 119th
  - Widening of CO 7
  - Potential for new Bus Rapid Transit (BRT) service along CO 7.

# SH 7 (Baseline) & 119<sup>th</sup> intersection - Existing



# SH 7 (Baseline) & 119<sup>th</sup> intersection - Improved



Additional travel lanes added to 119<sup>th</sup>. Dedicated right and left turn lanes and through lane. Bike lanes also added.

New pedestrian improvements including crosswalks and sidewalks along SH 7.

Additional travel lanes added to SH 7. Dedicated right and left turn lanes. Two through lanes on SH 7

# SH 7 (Baseline) improvements 119<sup>th</sup> to County Line Rd (reconfigured)

- **Project includes**
  - Relocating County-Line Road to the east of Flagg Drive.
  - Expand SH 7 to two 12-foot travel lanes in each direction, painted median, and 12-foot shoulders.

# SH 7 (Baseline) improvements 119<sup>th</sup> to County Line Rd (reconfigured)

SH 7 existing



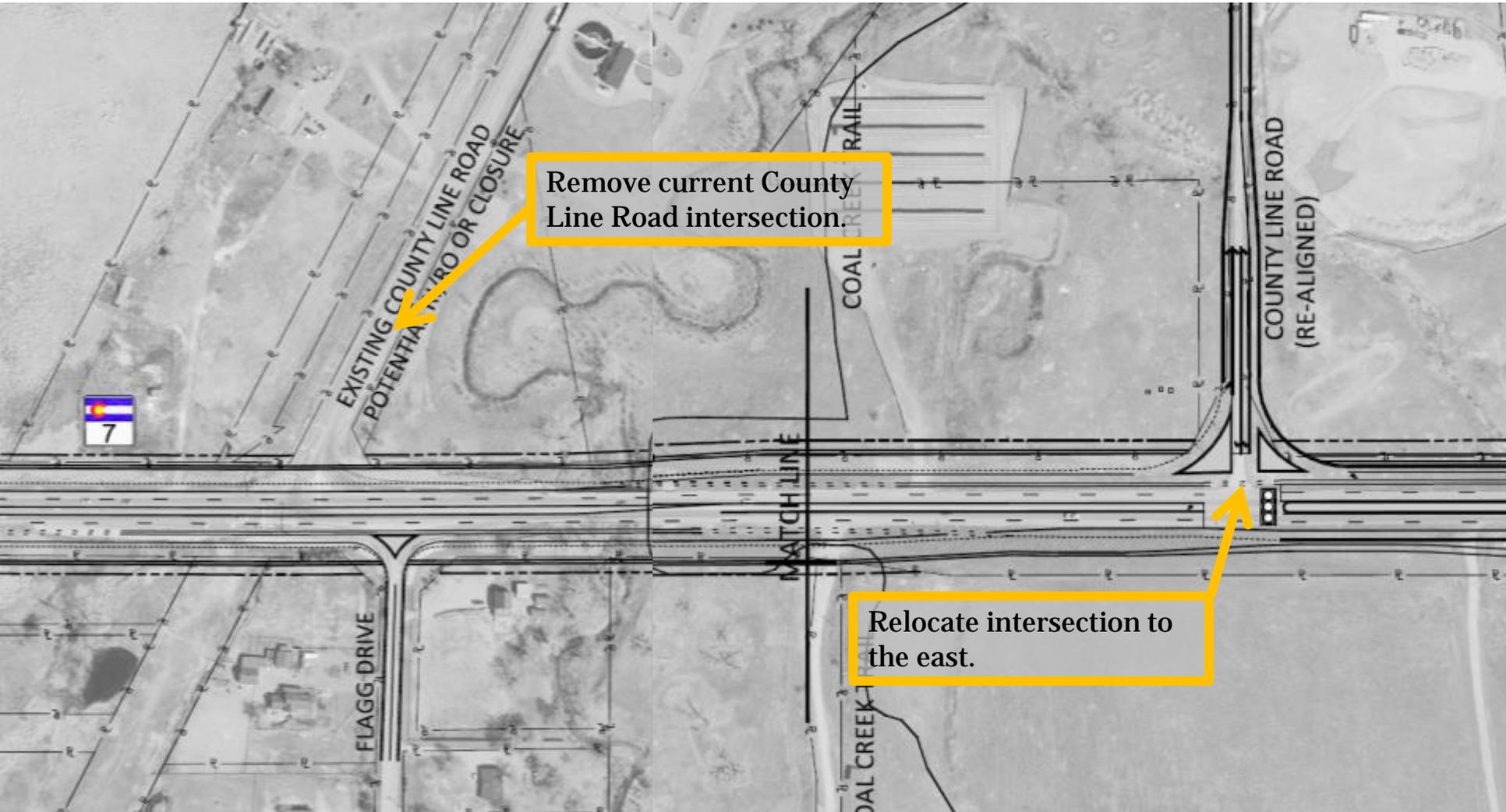
SH 7 proposed



# Potential County Line Road reconfiguration - Existing



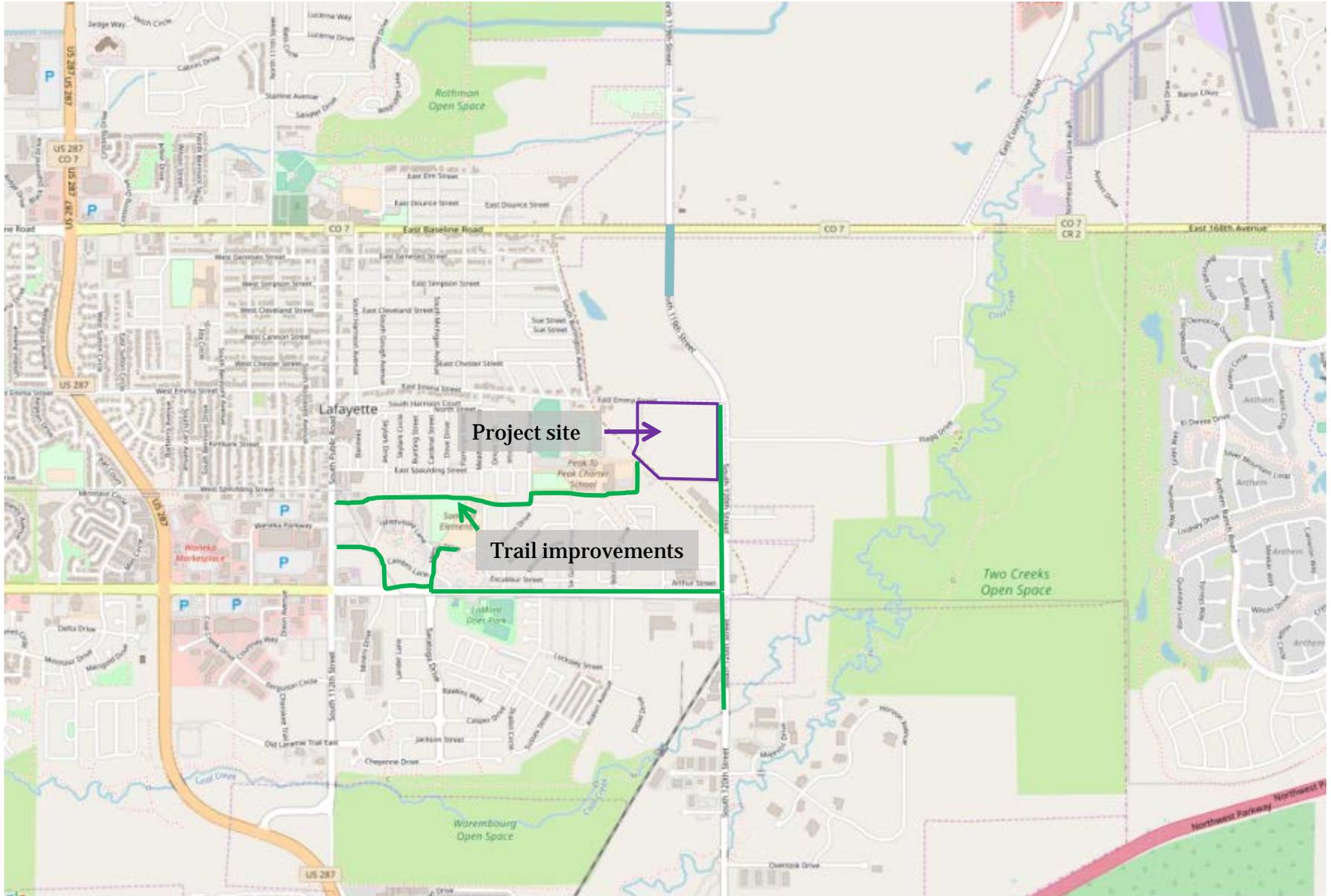
# Potential County Line Road reconfiguration - Proposed



Remove current County Line Road intersection.

Relocate intersection to the east.

# Trail/Pedestrian improvements



# Trail/Pedestrian improvements

- **Project includes**

- New 'Inspire' trail connecting project site to Sanchez Elementary and Park-n-Ride.
- New multiuse trails along S. Boulder Rd.
- New multiuse trail on west side of 120<sup>th</sup> as part of the project.

- **Funding/Timing**

- Inspire trail funded through GoCo, City of Lafayette. Construction in 2018/2019.
- S. Boulder Rd trail funded through City of Lafayette, Boulder County, CDOT. Construction in 2019.
- 120<sup>th</sup> trail funded as part of BCHA neighborhood.

# Trail/Pedestrian Improvements



# Trail/Pedestrian improvements



# Conclusion

- **Major transportation improvements:**
  - S. Boulder Road & 120<sup>th</sup> intersection and roadway.
  - 119<sup>th</sup>/120<sup>th</sup> widening and improvements.
  - Emma & 120<sup>th</sup> intersection traffic signal.
  - 119<sup>th</sup> & SH 7 intersection traffic signal.
  - SH 7 roadway improvements
  - Significant trail/pedestrian improvements
    - S. Boulder Road to Park-n-Ride
    - Inspire trail connecting site to Sanchez and Park-n-Ride
    - New multiuse trail along west side of 120<sup>th</sup>
- **East Lafayette Neighborhood is the catalyst that will bring many traffic improvements to the area.**