

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

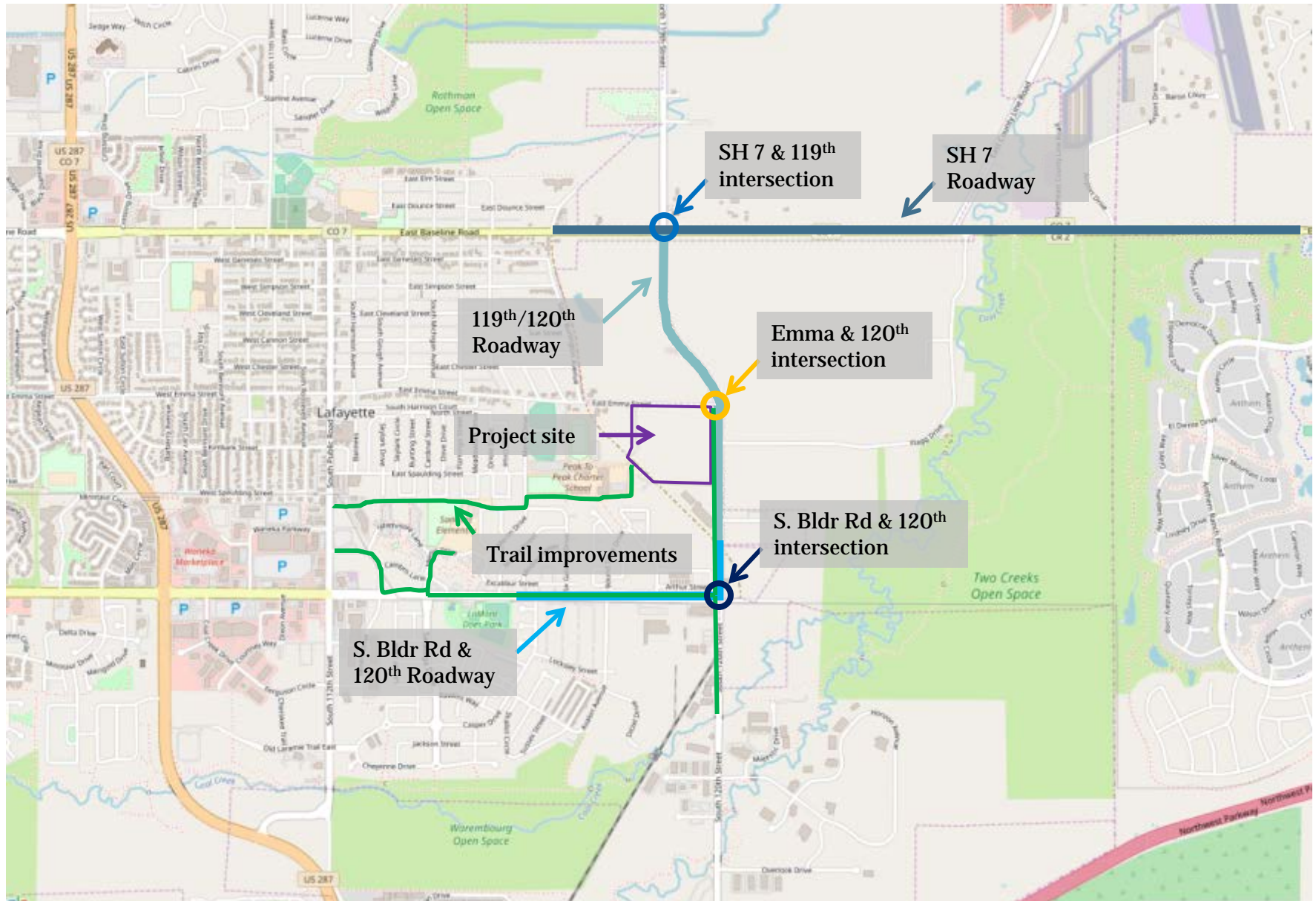
Traffic data preliminary observations

- **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 120th will improve all intersections.

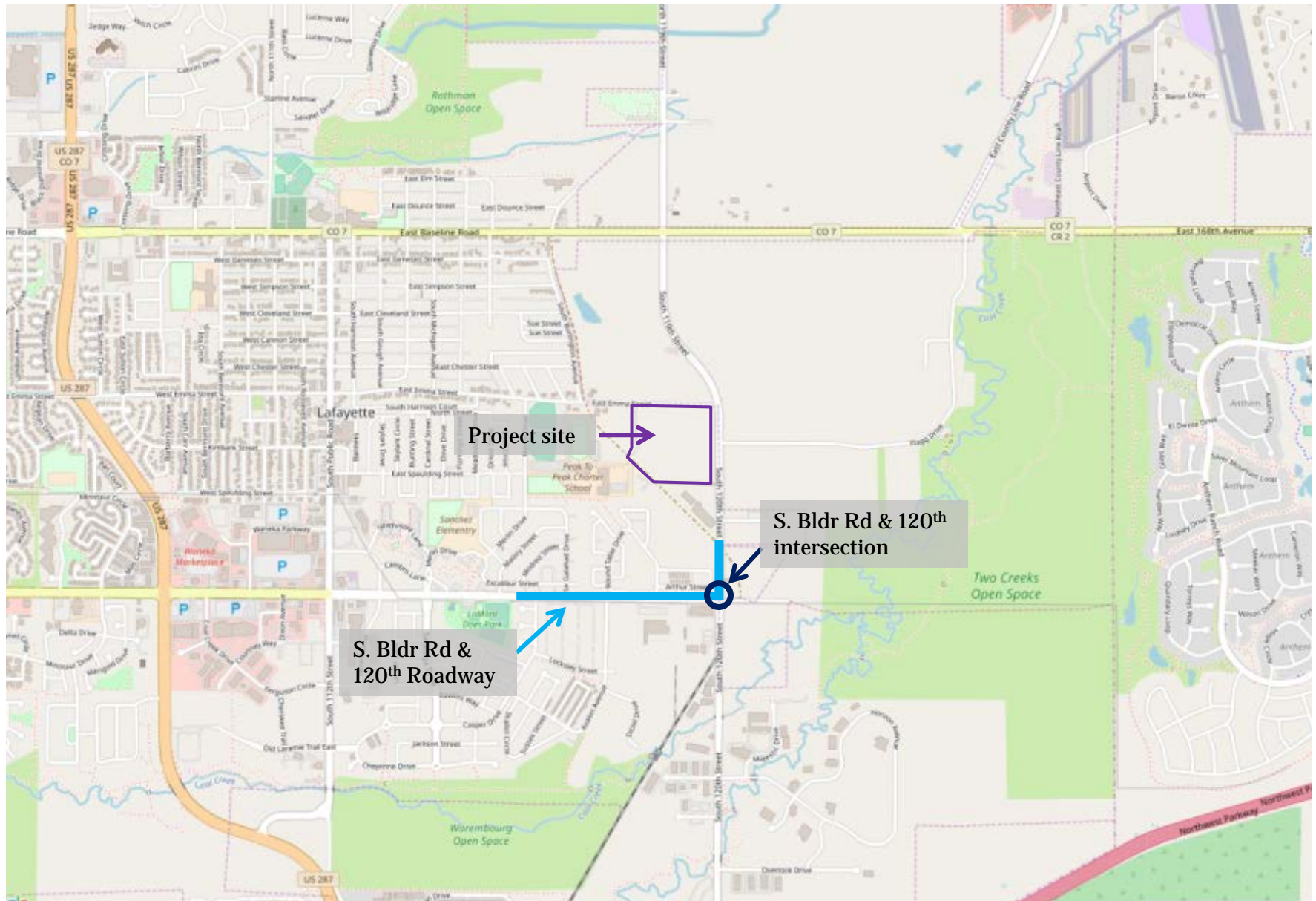
Traffic data preliminary observations

- 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 & 120th signal
 - 120th 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 & 120th improvements



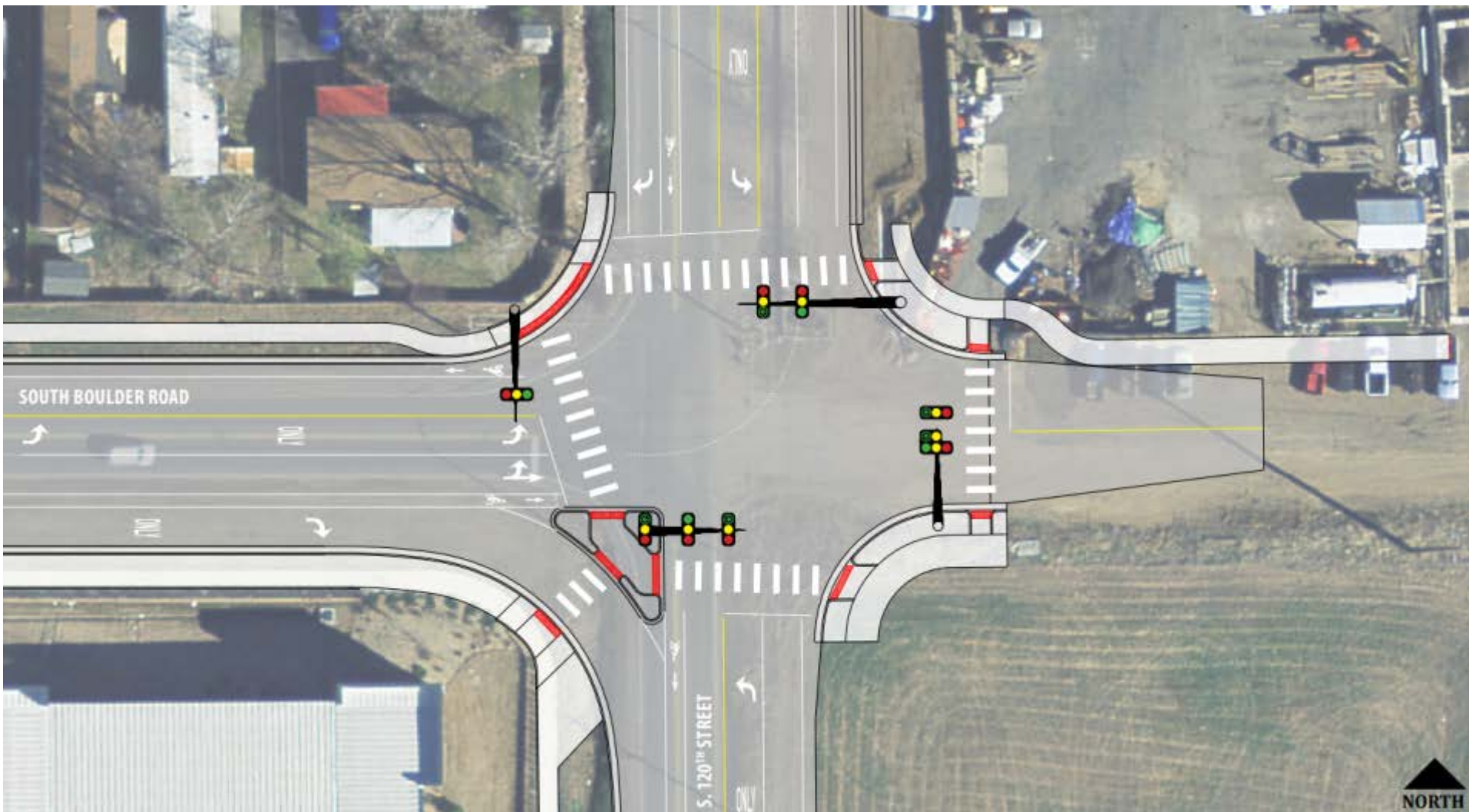
South Boulder Rd & 120th Overview

- **Project includes**
 - Widening of South Boulder Road from Malory Street to 120th 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 & 120th.
- **Funding/Timing**
 - Funded through CDOT, Boulder County, & City of Lafayette.
 - Construction anticipated Summer 2019.

South Boulder Rd & 120th Intersection - Existing

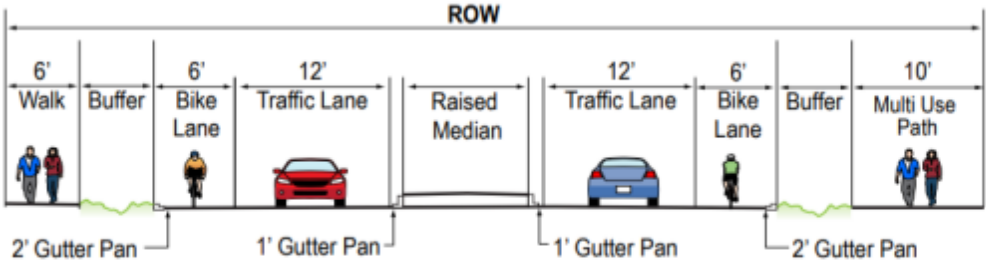


South Boulder Rd & 120th Intersection - Improved

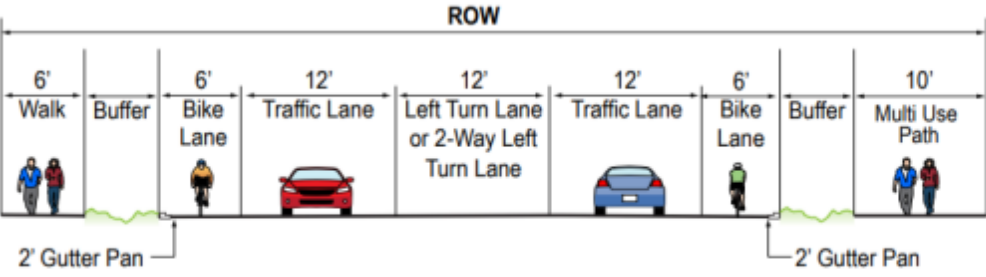


South Boulder Rd street improvements (Malory to 120th)

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



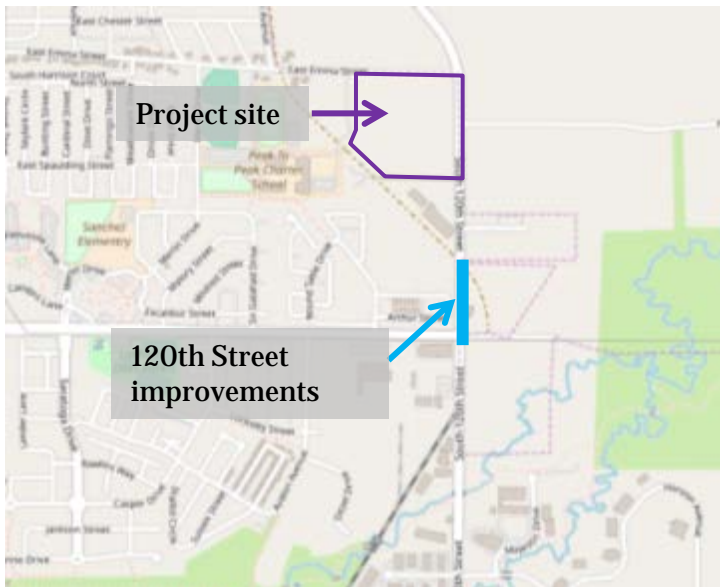
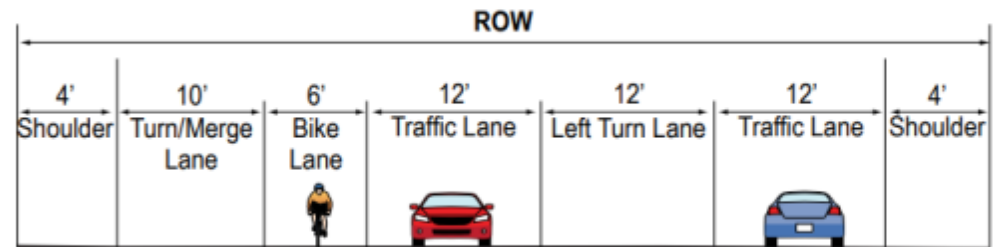
NEAR INTERSECTIONS
Two Lanes, Left Turn Lanes, Bike Lanes,
Detached Sidewalk and Multi Use Path



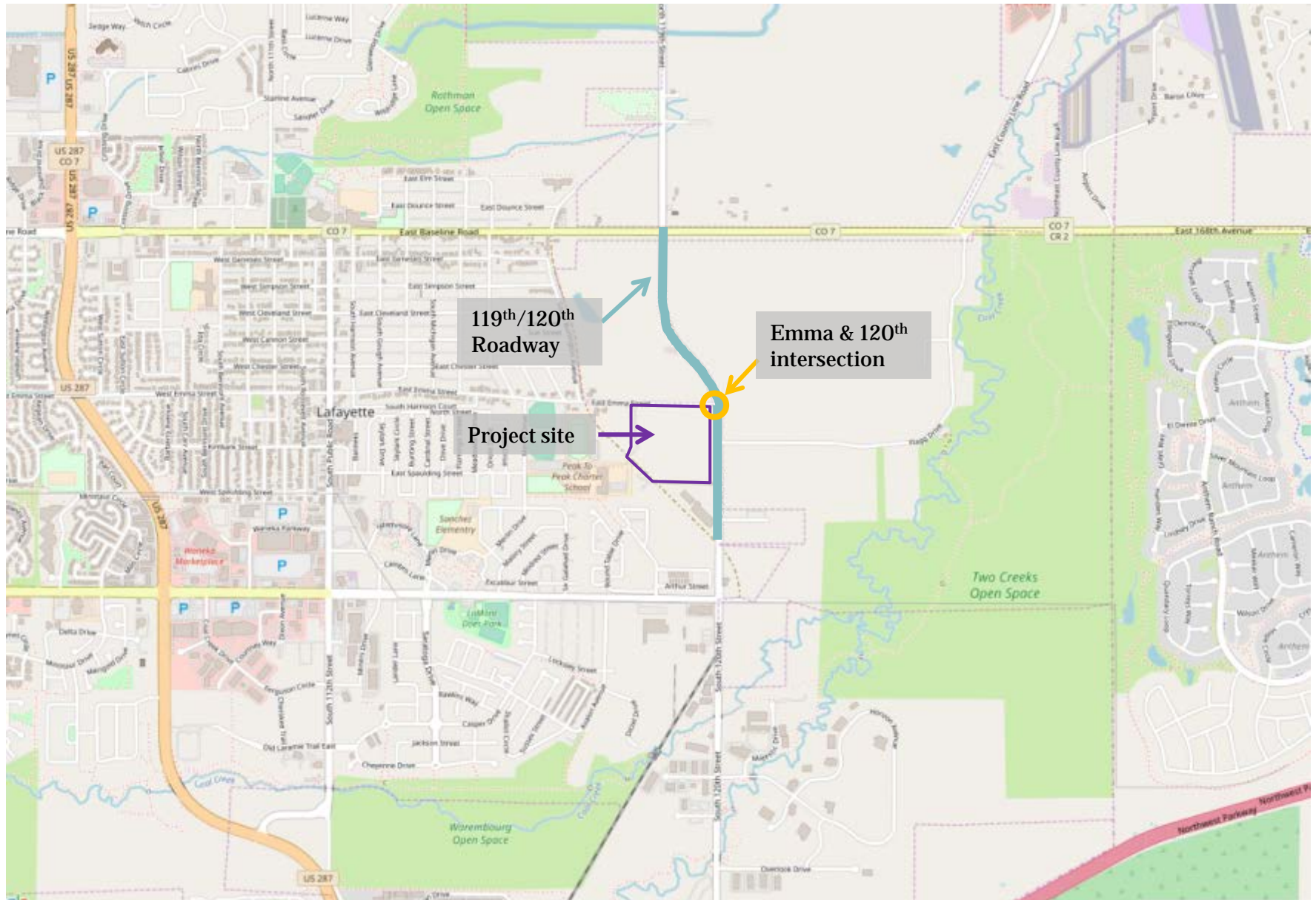
120th St street section improvements (S Boulder Rd to Burlington Trail)

120TH

Two Lanes, Left Turn Lane, Bike Lane



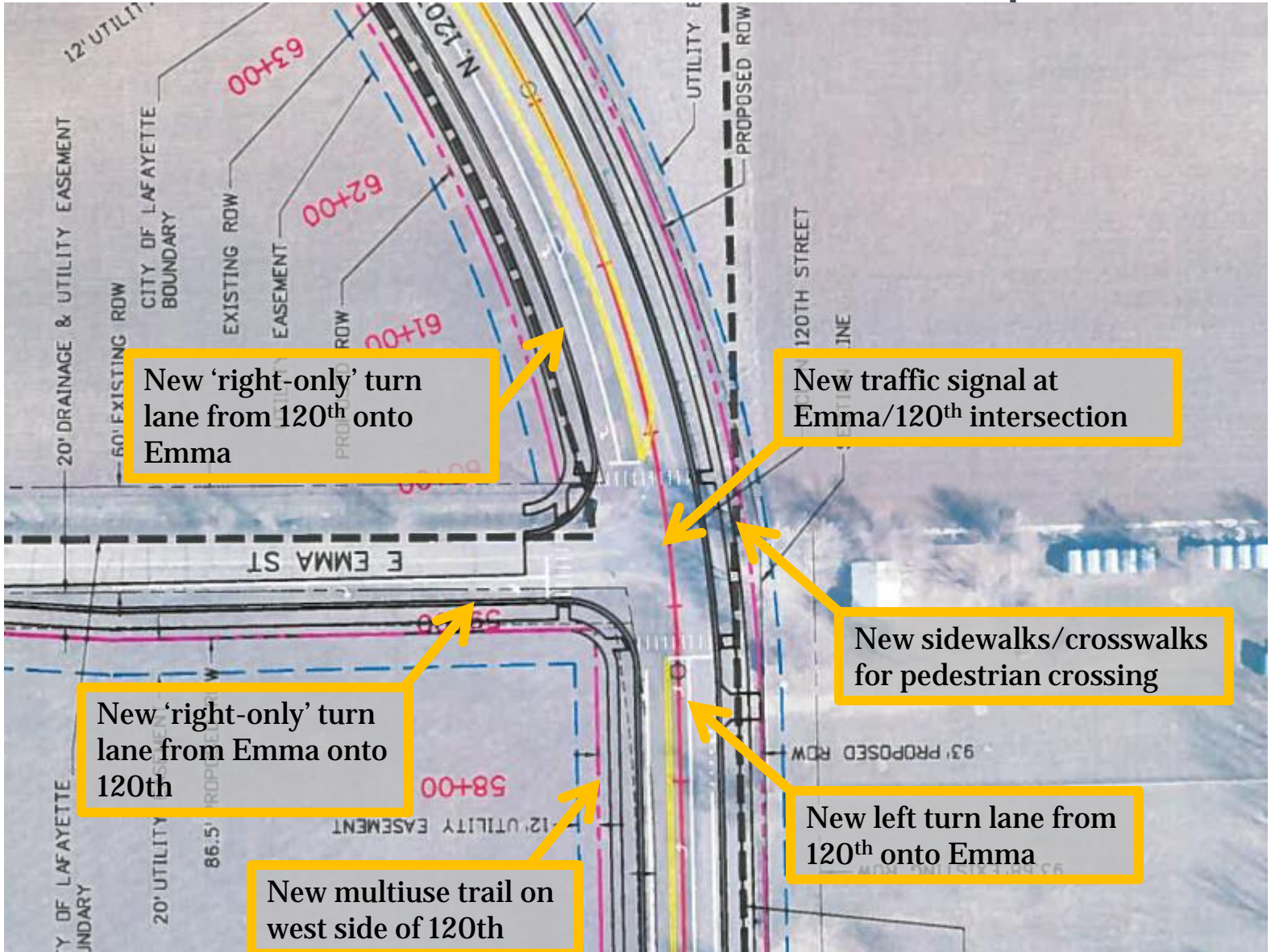
119th/120th Roadway improvements



119th/120th Street improvements

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

Emma Street & 120th intersection improvements



New 'right-only' turn lane from 120th onto Emma

New traffic signal at Emma/120th intersection

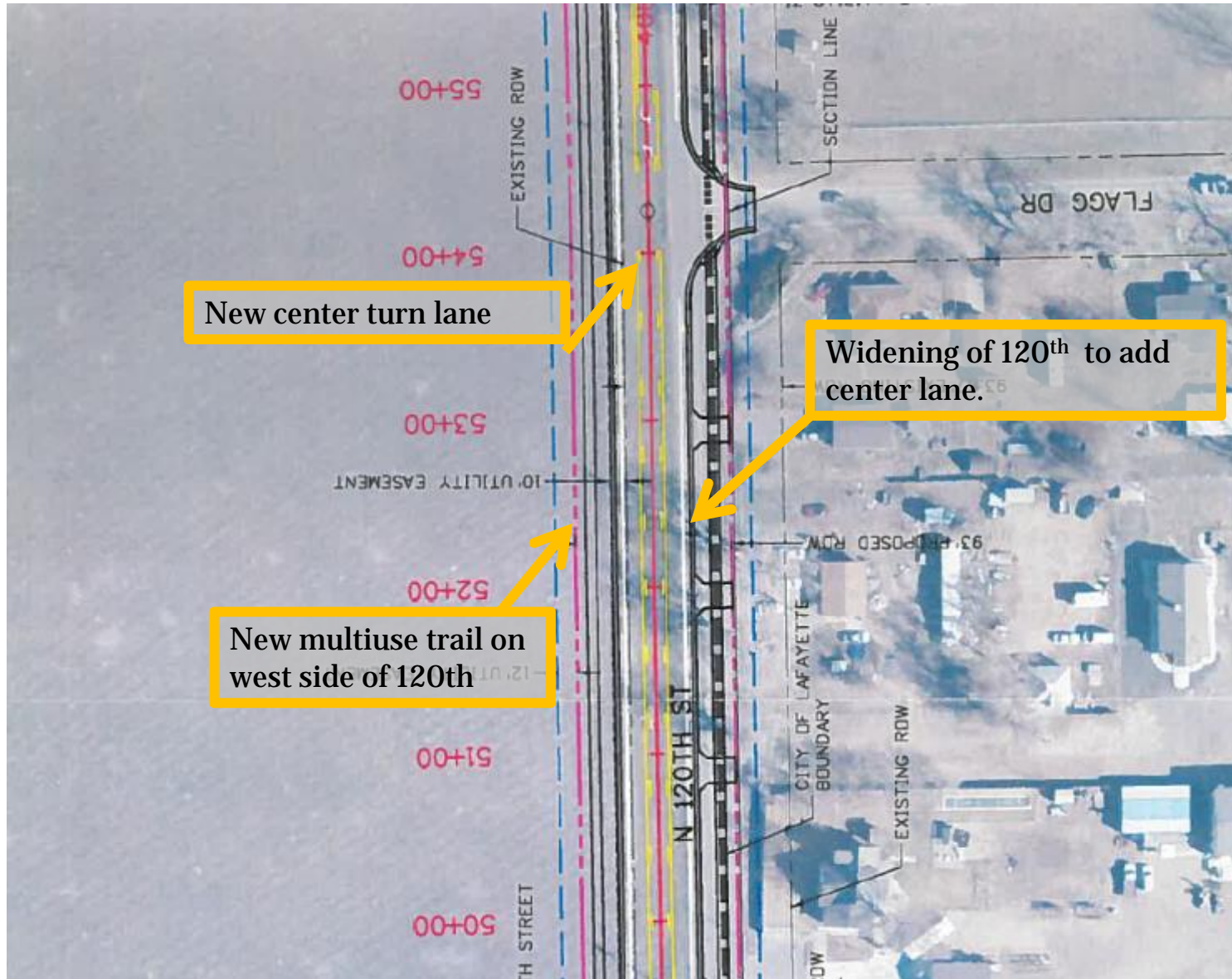
New sidewalks/crosswalks for pedestrian crossing

New 'right-only' turn lane from Emma onto 120th

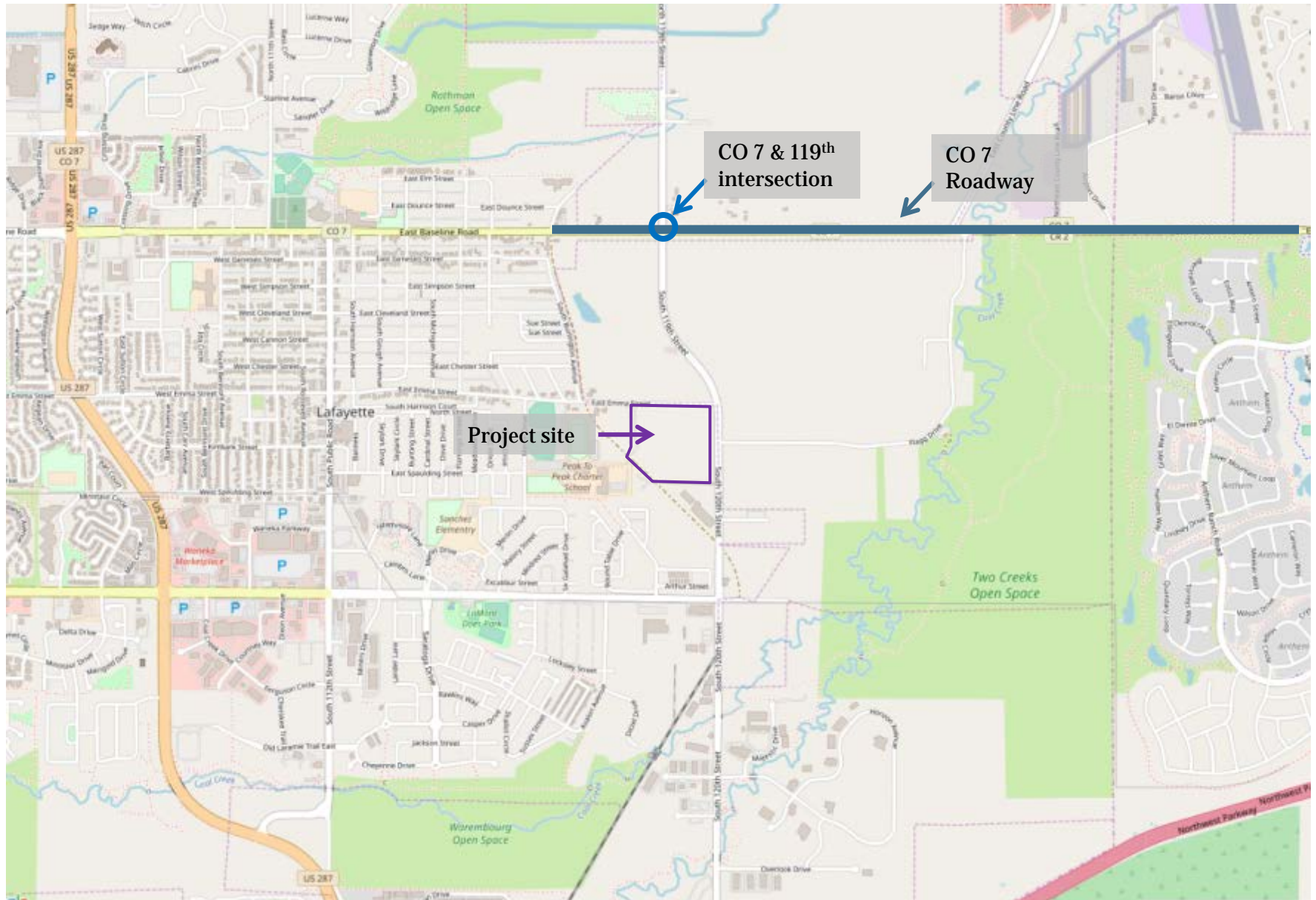
New left turn lane from 120th onto Emma

New multiuse trail on west side of 120th

120th Street improvements



SH 7 (Baseline) Improvements



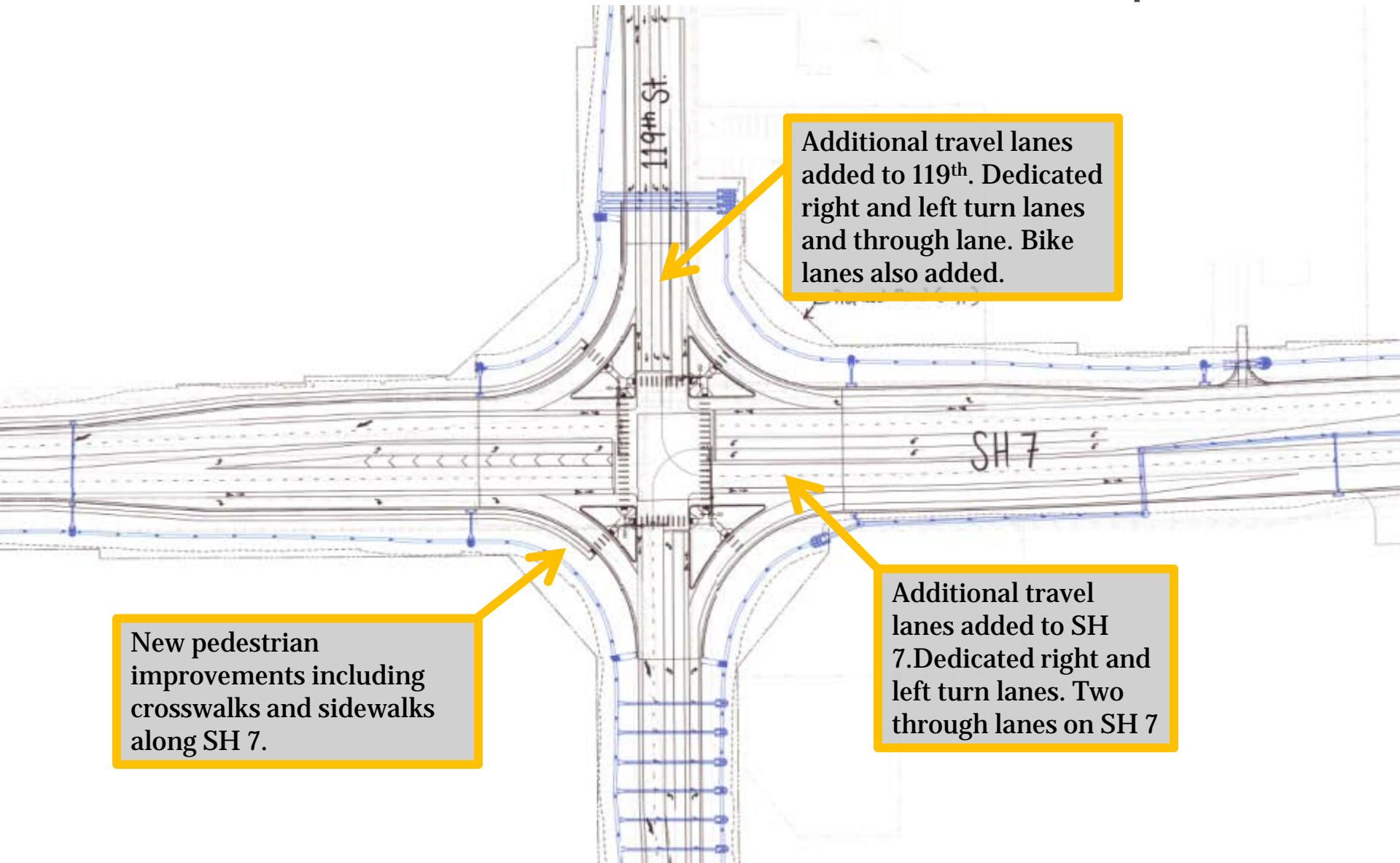
SH 7 (Baseline) improvements

- **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) & 119th intersection - Existing



SH 7 (Baseline) & 119th intersection - Improved



Additional travel lanes added to 119th. 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 119th 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 119th to County Line Rd (reconfigured)

SH 7 existing



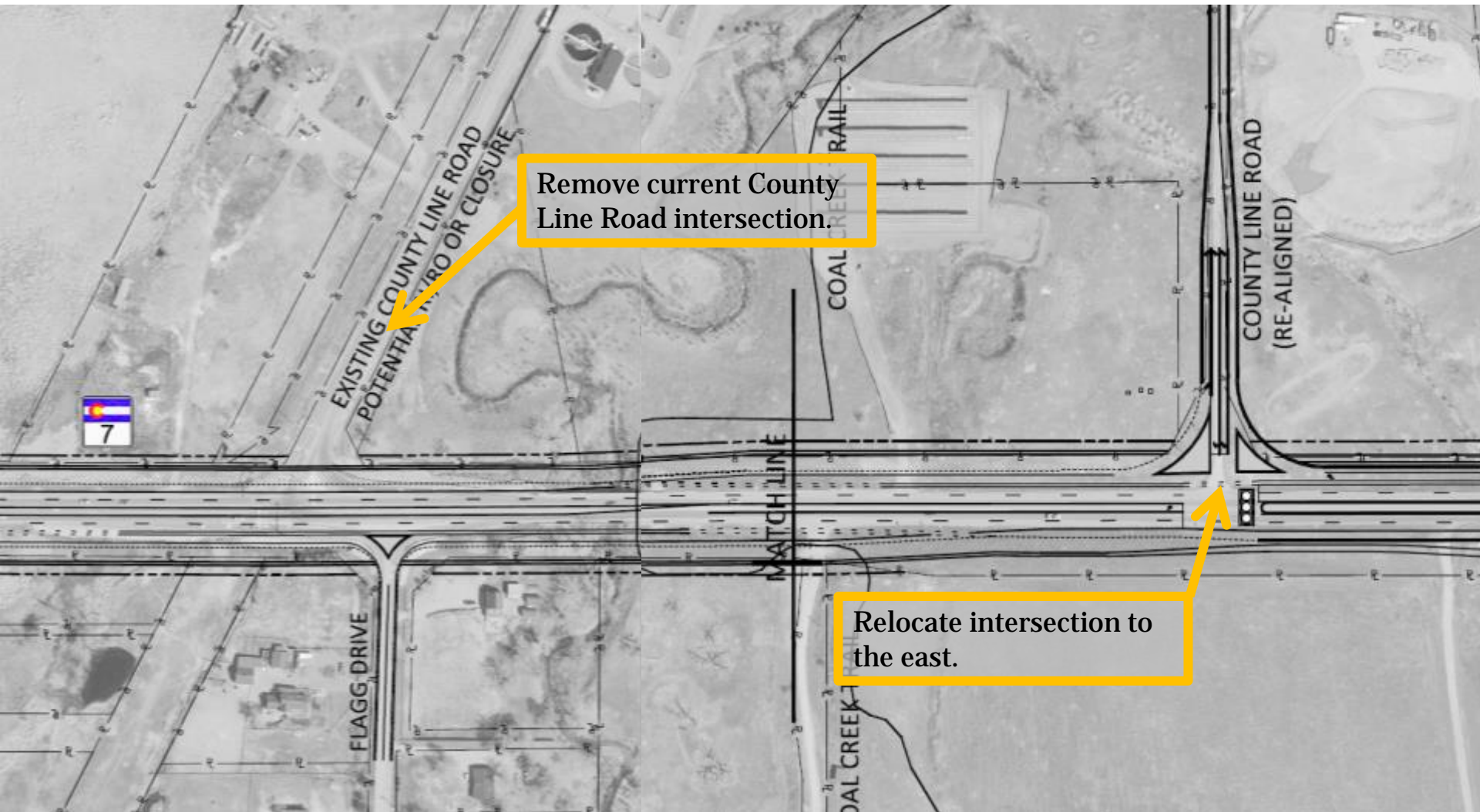
SH 7 proposed



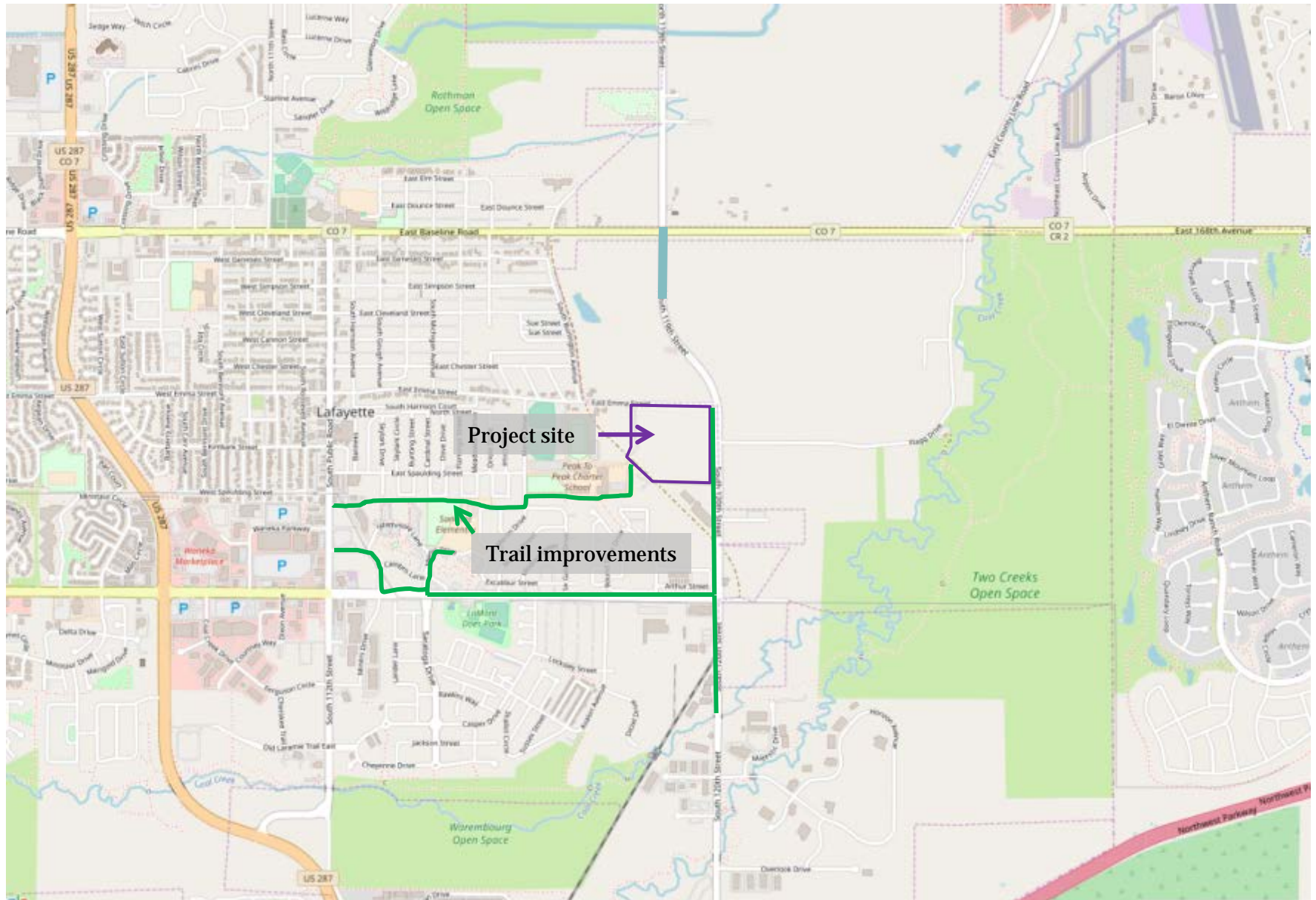
Potential County Line Road reconfiguration - Existing



Potential County Line Road reconfiguration - Proposed



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 120th as part of the project.

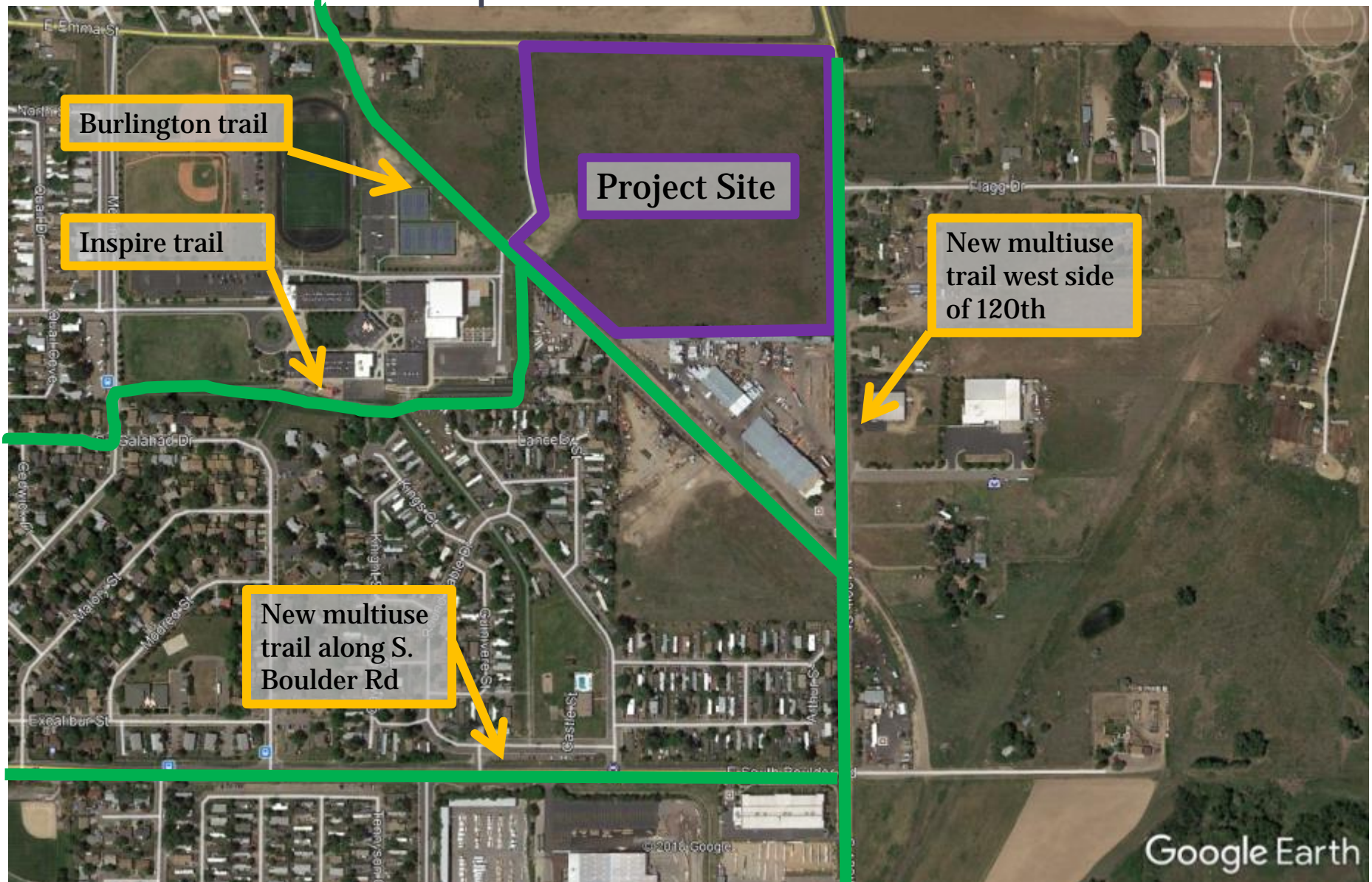
- **Funding/Timing**

- 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.
- 120th trail funded as part of BCHA neighborhood.

Trail/Pedestrian Improvements



Trail/Pedestrian improvements



Conclusion

- **Major transportation improvements:**
 - S. Boulder Road & 120th intersection and roadway.
 - 119th/120th widening and improvements.
 - Emma & 120th intersection traffic signal.
 - 119th & 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 120th
- **East Lafayette Neighborhood is the catalyst that will bring many traffic improvements to the area.**