



## TRAFFIC IMPACT ANALYSIS DISCUSSION

DS-22-002

January 4, 2022

# Background

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- ❑ On September 21, 2021, City Council directed staff to move forward with a discussion on Traffic Impact Analysis (TIA) requirements
- ❑ Traffic Impact Analysis (TIA): general study of the degree or extent to which the proposed land use developments, and the traffic they are expected to generate will affect the adjacent or surrounding transportation system
- ❑ Included in Study
  - ▣ Traffic Counts (Current and predicted future)
  - ▣ Roadway Capacity with and without development
  - ▣ Intersection LOS (level of service) with and without development
  - ▣ Proposed needed improvements to maintain LOS

# Traffic Impact Analysis

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- ❑ Developer studies impacts of a particular development
  - ▣ Provides improvements when traffic conditions reach undesirable level due to increased traffic
- ❑ Improvements can include turn lanes, deceleration lanes, and participation in traffic signals
- ❑ Improvements happen when impact occurs
  - ▣ Built and designed by developer
- ❑ Incremental approach to improvements

# Proposed Ordinance Updates

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- Required for developments that generate 2,000 ADT or 100 peak hour trips.
- Required field counts for traffic
- Based on opening year and 10-year future
- Signal warrant, queue length, gap analysis based on case by case requirements
- Proposed mitigation needs with cost estimates, right-of-way needs
- Mitigation Options
  - ▣ Construction
  - ▣ Deferral of obligation
  - ▣ Cash Contribution
- Planning and Zoning Commission to review Traffic Impact Analysis Ordinance on January 3<sup>rd</sup> for recommendation to City Council