Presentations
for the

February 10, 2020

City Council Meeting

San Antonio Road & East Charleston Road Intersection Improvement Project

City Council
February 10, 2020

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Project Goals

Priority Issues:

1. Pedestrian Safety Improvements
2. Vehicular Safety Improvements
3. Traffic Operations (congestion)

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Existing Conditions

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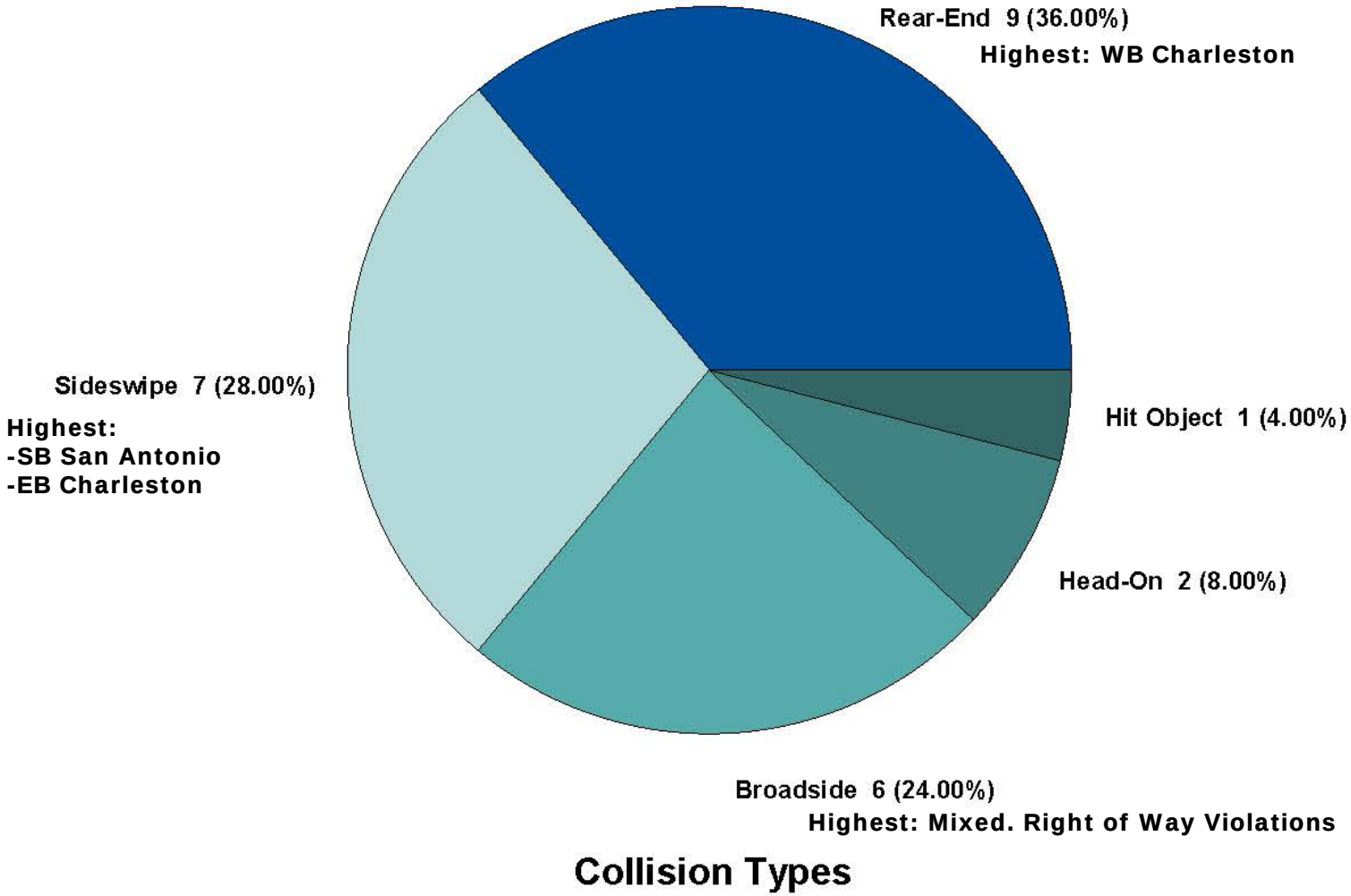
Collision Data: 25 Collisions (2012-2016)



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Community/Stakeholder Outreach and Meetings

Community Meetings:

Four (4) Community Meetings

- April 2018
- September 2018
- February 2019 (Business Focus)
- August 2019

PABAC:

- October 2018, plus follow-up updates

Planning and Transportation Commission:

- November 2019

Future Meetings through design process:

- PABAC, Community Meeting
- Council Approval of Final Design and Construction Contract(s)

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Preliminary Ideas

Idea A: -Pedestrian Crosswalk Improvements (southwest corner modification)
-Remove one southbound right-turn lane and add Overlap phase
-add southbound bike lane

Idea B: -Add second southbound left-turn lane on San Antonio Road

Idea C: Combination A and B

Idea D: Add second southbound left-turn lane on San Antonio Road,
Modification of two southbound right turn lanes

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Preliminary Ideas

Idea C: -Remove one southbound right-turn lane and add Overlap phase
-Add second southbound left-turn lane on San Antonio Road
-Pedestrian Improvements at southwest corner
-Add southbound bike lane
-Potentially Significant Traffic Impacts

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Recommended Alternative

Idea D:

-Add second southbound left-turn lane on San Antonio Road

-Improve Pedestrian visibility and reduce crossing distance for two x-walks

-Optimize Southbound Right-Turn signal operations

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Recommendation

Staff and PTC recommend that City Council take the following action:

Review the preferred alternative concept plan for San Antonio Road and East Charleston Road intersection and direct staff to complete final design plans, environmental analysis, specifications, and construction cost estimates.

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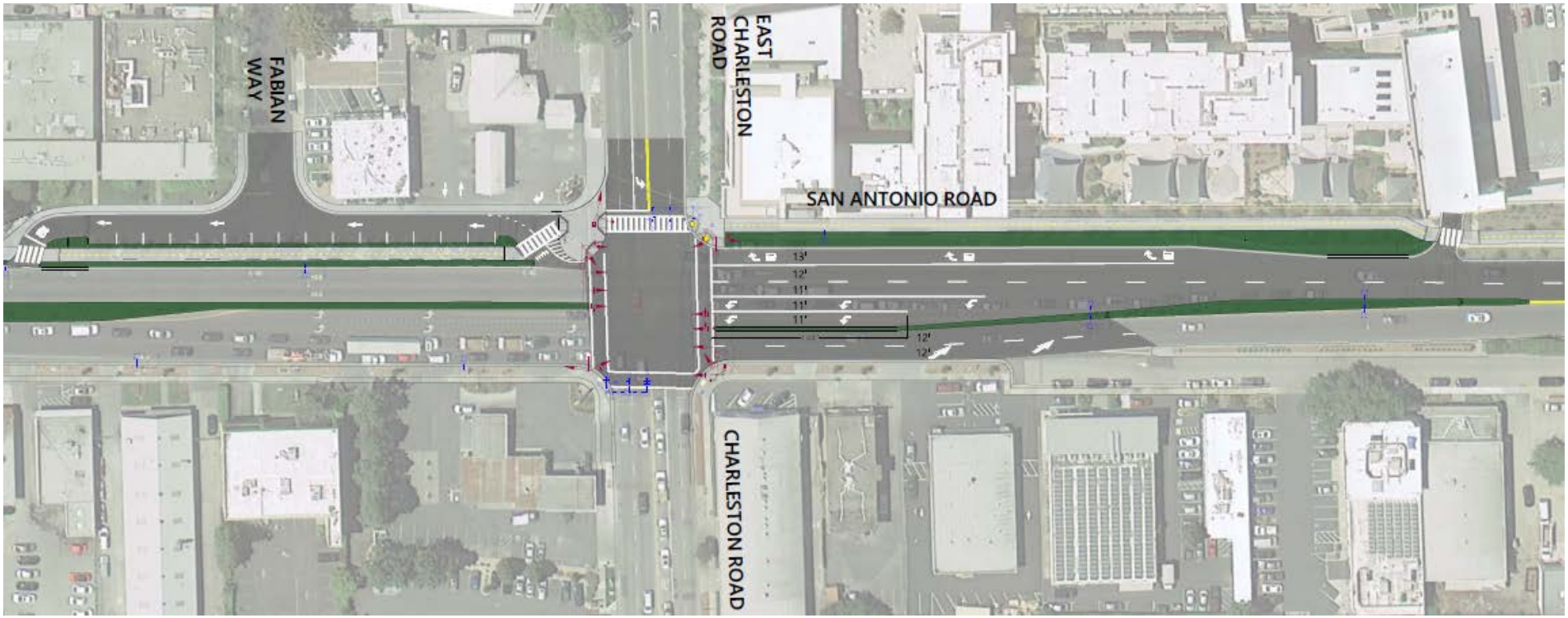
BACKUP SLIDES

Preliminary Ideas

Longer-Term Concept: Replace southbound right-turn lane with two-way protected path



(Not included as part of this current project).

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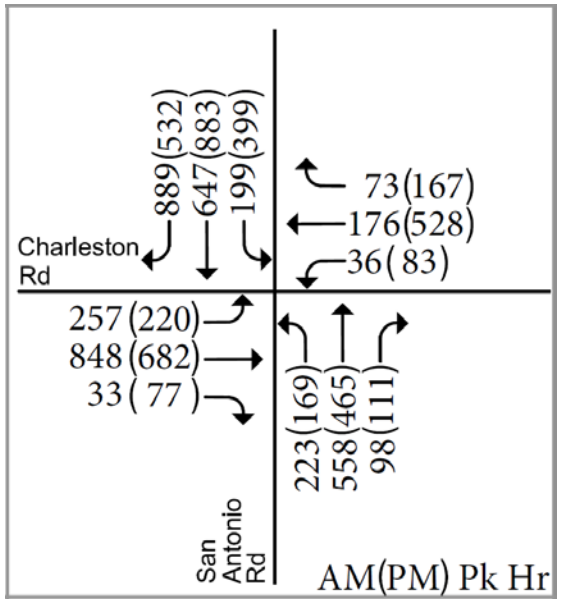
Level of Service-2017

AM Peak Hour		PM Peak Hour	
LOS	Delay	LOS	Delay
C	33.8	D	37.4



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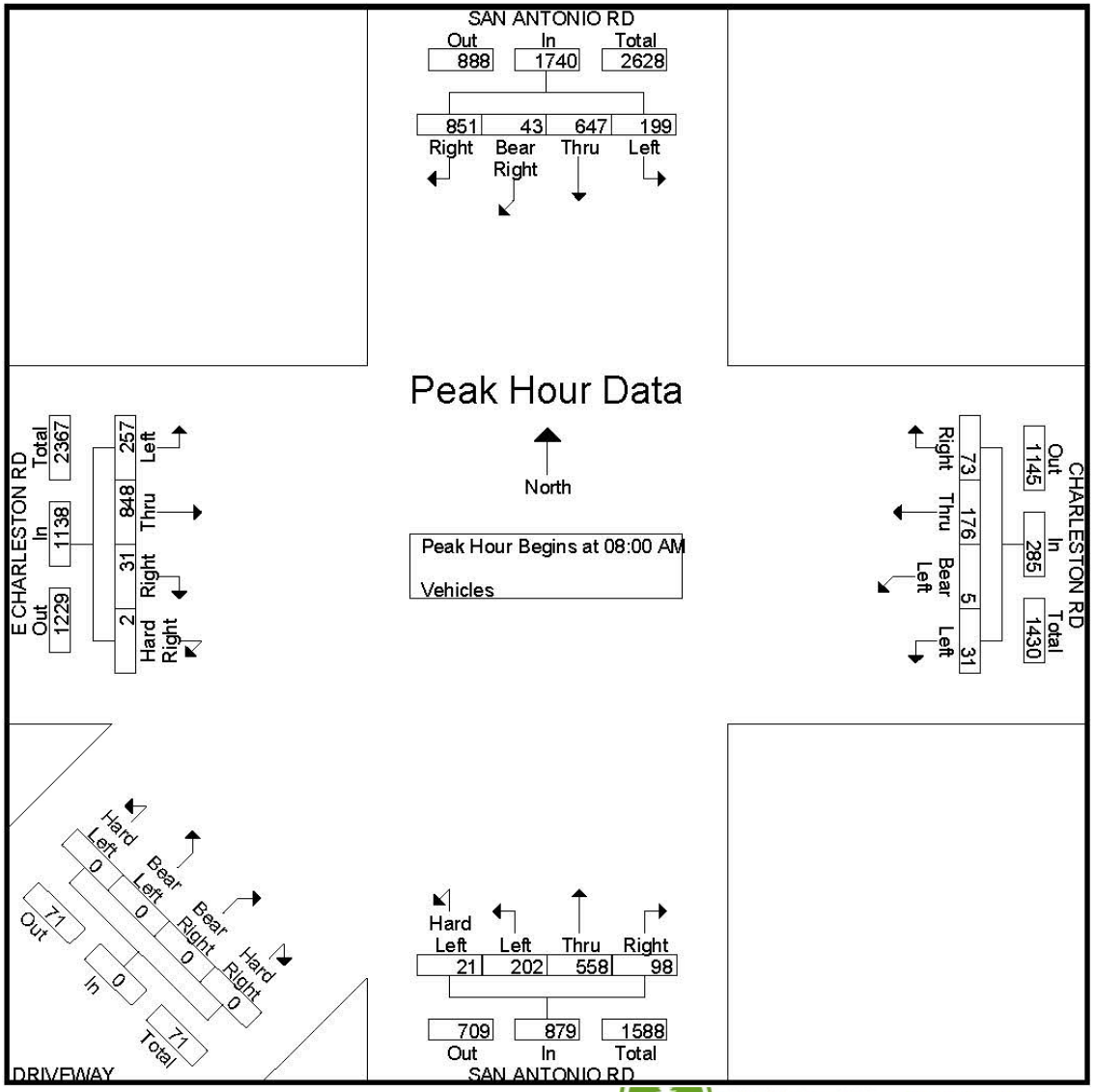
Turning Movement Counts-AM Peak Hour



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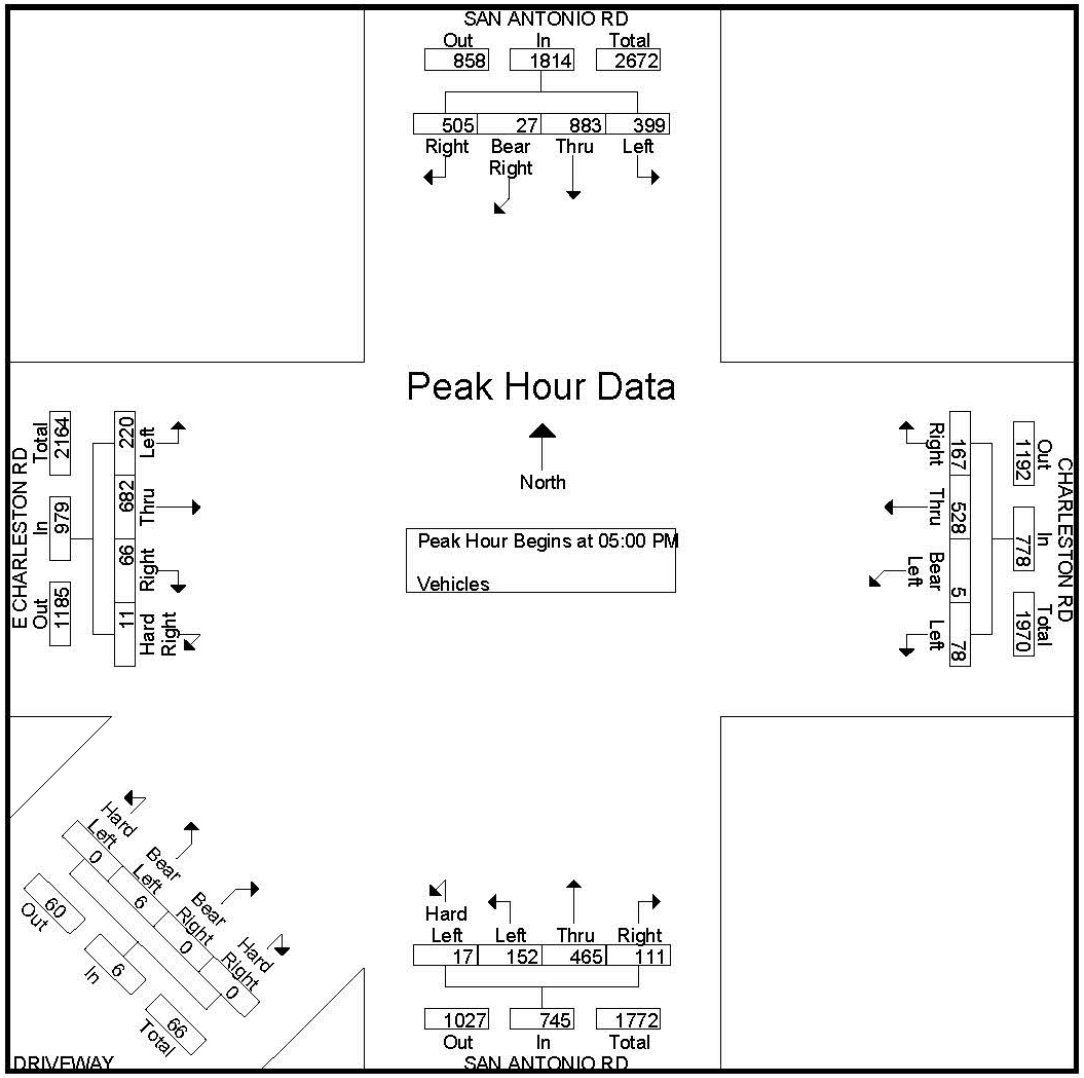
Turning Movement Counts-PM Peak Hour



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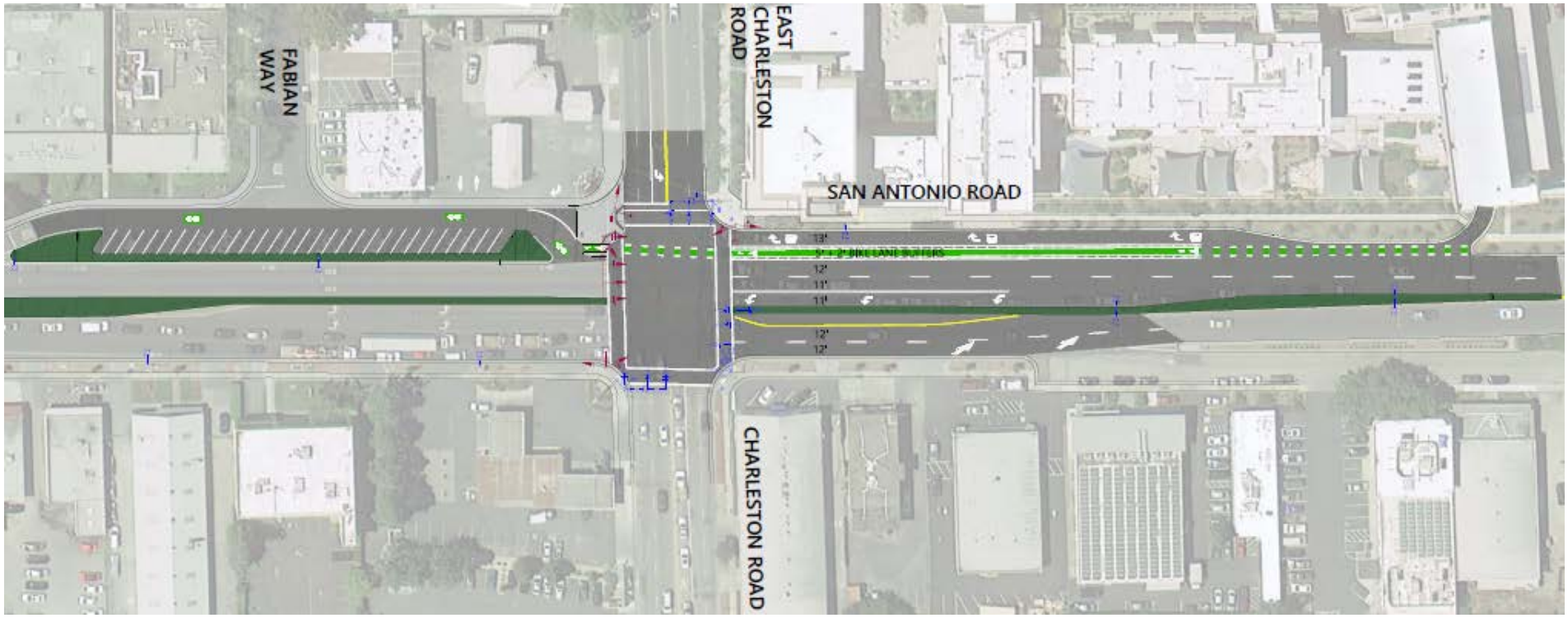
Preliminary Ideas

Idea A: -Remove one southbound right-turn lane and add Overlap phase
-Pedestrian Improvements at southwest corner
-add southbound bike lane



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Preliminary Ideas

Idea B: -Add second southbound left-turn lane on San Antonio Road