



Downtown Diagonal Crossing Pilot Project

Public Works Department

Transportation Committee
November 9, 2017

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BACKGROUND

1. May 11th, 2017, the Public Works Department presented information regarding the downtown diagonal crossing grant-funded pilot project, which took place on June 1st, 2017 in Downtown Riverside.
2. The pilot diagonal crossing was in place at Market Street & Mission Inn Avenue for approximately one month, and the Mission Inn Avenue & Lemon Street crossing was in place for one day.



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PILOT PROJECT AT MISSION INN & LEMON



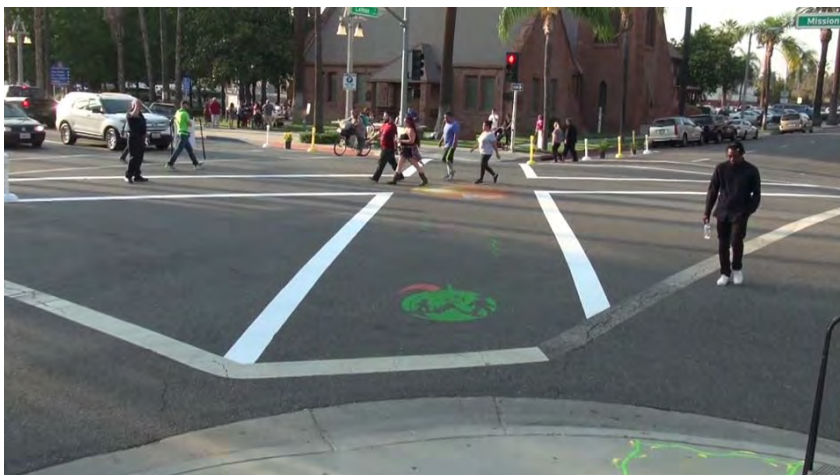
BEFORE

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PILOT PROJECT AT MISSION INN & LEMON



AFTER

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PILOT PROJECT AT MARKET STREET & MISSION INN



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PILOT PROJECT AT MARKET STREET & MISSION INN



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FINDINGS: PEDESTRIAN USE

1. During the pilot, nearly 30% of pedestrians on average chose to use the diagonal crossing.
2. Pedestrian traffic increased during the pilot project.
3. 1,293 pedestrians made use of the diagonal crosswalk in a single day, with over 200 crossings during a single 15 minute interval.
4. Pedestrians accounted for 11% of intersection throughput.



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VIDEO OF CROSSING IN USE



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FINDINGS: VEHICLE DELAY

| Market Street (10 th – 1 st) Corridor Synchronization Performance Index | | | |
|--|---------------|------------|------------|
| AM Peak Hour of Traffic | | | |
| | Average Speed | CSPI Score | CSPI Grade |
| Regular Xwalk | 27.3 MPH | 81.4 | B |
| Diagonal Xwalk | 25.0 MPH | 61.0 | D |
| PM Peak Hour of Traffic | | | |
| | Average Speed | CSPI Score | CSPI Grade |
| Regular Xwalk | 25.6 MPH | 65.7 | D |
| Diagonal Xwalk | 20.3 MPH | 21.9 | F |



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FINDINGS: RESIDENT FEEDBACK

152 positive comments during Go Human Event

"Love this idea. Hope it comes to life"

"Pro X-Walk Scramble"

"Love the new crosswalk diagonals"

"The new crosswalk scrambles are so cool"

"Improved pedestrian safety + time savings = WIN!"



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SIGNAL TIMING IMPROVEMENTS

1. Install a second diagonal crosswalk at Market Street and University Avenue.
2. Install “no right turn” blank-out signage activated by the crosswalks.
3. Install “accessible pedestrian signals” to shorten the average crossing time.



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RECOMMENDATION

That the Transportation Committee recommend that the City Council approve the installation of permanent diagonal crosswalks at the intersections of Mission Inn Avenue at Market Street and University Avenue at Market Street.



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