



Iowa Avenue: Proposed Complete, Green, and Smart Street Improvements

Public Works Department

Transportation Committee Meeting
December 8, 2016

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BACKGROUND

1. California Air Resources Board is moving SoCal facilities to the City of Riverside, along Iowa Avenue.
2. ARB supports improvements that provide increased access and sustainability.
3. Iowa Avenue is designated as a 4-lane arterial with 110-foot right-of-way.



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POTENTIAL 'COMPLETE STREETS' IMPROVEMENTS

1. Buffered bicycle lanes
2. Landscaped median and parkway
3. A dedicated transit / electric vehicle lane



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POTENTIAL 'COMPLETE STREETS' IMPROVEMENTS

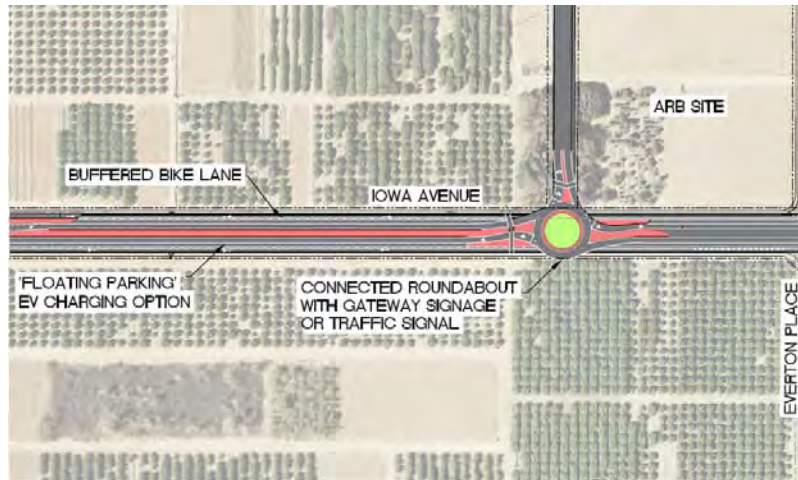
4. Electric vehicle charging facilities and parking
5. Bus stops and pedestrian walkways with solar energy harvesting shade features
6. Signalized pedestrian crossings



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ILLUSTRATION OF COMPLETE STREET IMPROVEMENTS



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POTENTIAL 'SMART STREETS' IMPROVEMENTS

1. Connected & autonomous vehicle infrastructure at nearby signalized intersections
2. Smart street lights or radios to provide enhanced traffic data collection and camera connectivity
3. Potential 'connected' roundabout at the intersection of ARB at Iowa Ave



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POTENTIAL 'GREEN STREETS' IMPROVEMENTS

1. Drought-tolerant landscaping
2. Intelligent control of irrigation systems
3. Retention of stormwater within landscaped areas



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POTENTIAL 'GREEN STREETS' IMPROVEMENTS

Benefits Of Green Street Improvements:

1. Minimize stormwater impacts
2. Reduce energy costs
3. Improve aesthetics & increase livability



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RECOMMENDATION

That the Transportation Committee recommend that the City Council support the concept of installing complete, green and smart street improvements along Iowa Avenue.



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